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DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A.Q. PROGRAM

Permit to Construct Modification
Parma, Idaho Facility
Nunhems USA

Prepared for

Nunhems USA

Submitted to

Idaho Department of Environmental Quality

October 2016

CH2M HILL, Inc.
322 E Front Street
Boise, Idaho 83712

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SECTION 1

Introduction

On behalf of the Nunhems USA (Nunhems), CH2M HILL has prepared an air quality Permit-to-Construct (PTC) modification in accordance with Idaho Administrative Procedures Act (IDAPA) 58.01.01.200. Nunhems was issued a Permit-to-Construct (PTC, No. P-2015.0017) on June 9, 2016. A copy of the PTC, No. P-2015.0017 is included in Appendix A.

Nunhems operates a Seed Treatment Processing facility located at 1200 Anderson Corner Road, Parma, Idaho. Nunhems proposes to modify the operating requirements of the PTC by:

- Replacing daily emissions limits with monthly and annual emissions limits for two seed dryers (Dryer 2 and Dryer 3) which are operated intermittently;
- Replacing centrifugal fans and heating units for the two seed dryers (Dryer 2 and Dryer 3). Dryer 2 will be replaced with a 1.44 MMBtu/hr heat input capacity from an existing 2.5 MMBtu/hr unit. Dryer 3 will be replaced with a 0.72 MMBtu/hr heat input capacity from an existing 2.0 MMBtu/hr unit;
- Establishing monthly and annual emissions limits for one building heater (HEAT 1 in Building L); and
- For modeling purposes, the existing horizontal release stacks will be modified for Dryer 4A (exhaust through FARR03) and Dryer 4B (exhaust through FARR04) by removing a 90-degree elbow to each exit stack to exhaust vertically.

A scaled plot plan showing the property boundary and emission source locations are included in Figure 1. The proposed changes to permit conditions are described in Table 1.

Table 1. Proposed changes to permit conditions

	Current Permit Condition	Proposed Permit Condition
3.7	Dryer 2 may only be operated between the hours of 8:00 a.m. and 6:00 p.m. daily for a total of 10 hours per day and 3,650 hours per year.	Dryer 2 may be operated 200 hours per month and 2,400 hours per year
3.8	Dryer 3 may only be operated between the hours of 6:00 a.m. and 4:00 p.m. for a total of 10 hours per day. Dryer 3 may only be operated during the months of August and September and only from Monday through Saturday. Operation of Dryer 3 is limited to a maximum of 530 hours per year.	Dryer 3 may be operated 200 hours per month and 2,400 hours per year
Heat 1	None	Heater 1 may be operated 100 hours per month and 600 hours per year. Heater 1 may only be operated August 1 through January 31.
Dryer 4A & Dryer 4B	None	Remove 90 degree elbows to each exit stack for vertical release

An air quality impact analysis was performed in support of this PTC modification as required under IDAPA 58.01.01.200. Idaho regulations require a facility applying for a PTC modification to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS). Based on the need for flexibility in daily operations, Idaho Department of Environmental Quality (IDEQ) recommended that Nunhems incorporate a facility-wide modeling approach for this PTC modification. Compliance was demonstrated for both annual and short-term impacts, based on the monthly and annual emissions limits proposed.

SECTION 2

Process Description

The Nunhem's seed processing facility consists of five processing stages: warehousing, seed conditioning, seed enhancement, seed treatment, and packaging and shipping. These processes remain as described in the PTC; however, two seed dryers (Dryer 2 and Dryer 3) require additional flexibility to operate beyond the short-term limits identified in the PTC. If seeds are wet upon arrival to the facility, they must be dried before storing; otherwise, the seed's germination will be negatively affected rendering it unsellable. Because bulk shipments of seeds are only occasionally wet upon arrival, the use of the seed dryers is intermittent, and thus may be required beyond the current daily permit limit. The dryers' operations limits need to be flexible enough to allow them to operate more than ten hours per day when needed, depending on the condition of the seed. This flexibility is critical to operations. During some years, the dryers are used rarely or not at all; however, their use is weather-dependent and unpredictable.

Other changes in operation are also required. Building heater (HEAT 1) is used to crisp onion seeds prior to processing. This building heater operates intermittently and does not need to operate for all hours on all days; therefore, Nunhems proposes to establish permit conditions for HEAT1 in Building Q that reflects actual use.

As part of the final seed enhancement process, two dryers (Dryer 4A and Dryer 4B) are used during the pelleting process. Dryer 4A exhausts through FARR03 and Dryer 4B exhausts through FARR04. Modifications are proposed for the following sources:

- Two building heaters in Building Q (HEAT1)
  - Propane fired
  - 1,000,000 Btu/hr per unit
  - Dry scale out of onion umbels
  - Volume source
- Seed dryer north of Building K (DRYER2)
  - Seed warehousing
  - Propane fired
  - 1,440,000 Btu/hr
  - Point source
- Seed dryer near northwest corner of Building Q (DRYER3)
  - Propane fired
  - 720,000 Btu/hr
  - Point source
- Pelleting dryer in Building L (DRYER4A)
  - Exhaust vertically (remove90 degree elbow)
  - Propane fired
  - 1,000,000 Btu/hr (two combined each at 500,000 Btu/hr exhaust through FARR03)
  - Point source
- Pelleting dryer in Building L (DRYER4B)
  - Exhaust vertically (remove 90-degree elbow)
  - Propane fired
  - 1,500,000 Btu/hr (three combined each at 500,000 Btu/hr exhaust through FARR03)
  - Point source

Manufacturer specifications for the replacement centrifugal fans and heaters are provided in Appendix B. Applicable IDEQ forms are included in Appendix C.

SECTION 3

Emissions Estimates

Nunhems proposes a change in permit conditions to increase flexibility to operate three sources (DRYER2, DRYER3, HEAT01). A new facility-wide Potential-to-Emit (PTE) for the criteria and toxic air pollutants (TAPs) have been prepared for these three sources in addition to the other existing 86 sources including process equipment (baghouses, filters, process heaters, etc.) propane-fired source heaters, and HVAC units.

CH2M HILL utilized available manufacturer emissions data to generate potential emission rates. If manufacturer emissions data was not available, EPA AP-42 emission factors were used. Pre and Post PTE estimates for Nunhems are included in Appendix D.

Particulate matter emissions (PM_{10} and $PM_{2.5}$) are controlled for process equipment containing baghouses and filters. Nunhems complies with the applicable process weight requirements in accordance with IDAPA 58.01.01.701 and included in Appendix E. Note that there are no particulate matter controls for the propane sources.

The remaining criteria pollutant emission sources are uncontrolled. Therefore, controlled emissions equal uncontrolled emissions for NOx, SOx, CO, and VOC.

Table 2 presents the new or post PTE criteria emissions based on the proposed changes.

Table 2. Nunhems USA Potential to Emit Criteria Pollutants

Source	Number of Sources	PM_{10}		$PM_{2.5}$		NOx		SOx		CO		VOC	
		(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)
CUMGEN[a]	1	0.15	0.036	0.15	0.036	27.71	6.93	0.53	0.13	2.77	0.69	0.39	0.10
CATGEN[a]	1	0.07	0.017	0.07	0.017	2.61	0.65	0.82	0.20	0.32	0.08	0.98	0.25
GENGEN[a]	1	0.27	0.068	0.27	0.068	1.86	0.46	0.26	0.06	0.52	0.13	0.06	0.02
DC01	1	0.103	0.449	0.029	0.127								
DC02	1	0.103	0.449	0.029	0.127								
DC03	1	0.103	0.451	0.029	0.127								
DC04	1	0.038	0.165	0.011	0.046								
DC05	1	0.059	0.258	0.017	0.073								
DC06	1	0.096	0.419	0.027	0.118								
DC07	1	0.020	0.088	0.006	0.025								
DC08	1	0.074	0.322	0.021	0.091								
FARR01	1	0.049	0.215	0.014	0.060							0.0024	0.0107
FARR02	1	0.046	0.202	0.013	0.057							0.0002	0.0010
FARR03	1	0.055	0.241	0.015	0.068								
FARR04	1	0.066	0.288	0.019	0.081								
FARR05	1	0.089	0.391	0.025	0.110								
FARR06	1	0.089	0.391	0.025	0.110								
MRBH	1	0.006	0.024	0.002	0.007								

Table 2. Nunhems USA Potential to Emit Criteria Pollutants

Source	Number of Sources	PM_{10}		$PM_{2.5}$		NOx		SOx		CO		VOC	
		(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)
HERD01	1	0.010	0.043	0.003	0.012								
HERD02	1	0.115	0.506	0.033	0.142							0.04	0.19
DRYER1A	1	0.008	0.034	0.008	0.034	0.14	0.62	0.016	0.072	0.082	0.359	0.011	0.048
DRYER1B	1	0.008	0.034	0.008	0.034	0.14	0.62	0.016	0.072	0.082	0.359	0.011	0.048
DRYER02	1	0.011	0.013	0.011	0.013	0.205	0.246	0.024	0.028	0.118	0.142	0.016	0.019
DRYER03	1	0.006	0.007	0.006	0.007	0.102	0.123	0.012	0.014	0.059	0.071	0.008	0.009
DRYER04A	2	0.008	0.034	0.008	0.034	0.14	0.62	0.016	0.072	0.082	0.36	0.011	0.048
DRYER04B	3	0.011	0.05	0.011	0.05	0.21	0.93	0.025	0.108	0.12	0.54	0.016	0.072
HEAT01	1	0.015	0.005	0.015	0.005	0.28	0.085	0.033	0.01	0.164	0.049	0.022	0.007
HEAT02	1	0.008	0.034	0.008	0.034	0.14	0.62	0.016	0.072	0.082	0.359	0.011	0.048
Modine 75,000 Btu	1	0.001	0.003	0.001	0.003	0.011	0.047	0.002	0.007	0.006	0.027	0.001	0.004
Modine 150,000 Btu	13	0.015	0.065	0.015	0.065	0.277	1.213	0.043	0.187	0.160	0.700	0.021	0.093
Modine 250,000 Btu	1	0.002	0.008	0.002	0.008	0.036	0.156	0.005	0.024	0.020	0.090	0.003	0.012
ADP 60,000 Btu	1	0.0005	0.002	0.0005	0.002	0.009	0.037	0.001	0.006	0.005	0.022	0.001	0.003
Enerco 80,000 Btu	3	0.002	0.008	0.002	0.008	0.034	0.149	0.005	0.023	0.020	0.086	0.003	0.011
Reznor 75,000 Btu	1	0.001	0.003	0.001	0.003	0.011	0.047	0.002	0.007	0.006	0.027	0.001	0.004
Reznor 100,000 Btu	2	0.002	0.007	0.002	0.007	0.028	0.124	0.004	0.019	0.016	0.072	0.002	0.010
Reznor 125,000 Btu	3	0.003	0.013	0.003	0.013	0.053	0.233	0.008	0.036	0.031	0.135	0.004	0.018
Reznor 200,000 Btu	1	0.002	0.007	0.002	0.007	0.028	0.124	0.004	0.019	0.016	0.072	0.002	0.010
Goodman 90,000 Btu	2	0.001	0.006	0.001	0.006	0.026	0.112	0.004	0.017	0.015	0.065	0.002	0.009
Lennox 195,000 Btu	3	0.004	0.020	0.004	0.020	0.083	0.364	0.013	0.056	0.048	0.210	0.006	0.028
York 45,000 Btu	4	0.001	0.006	0.001	0.006	0.026	0.112	0.004	0.017	0.015	0.065	0.002	0.009
Cambridge 353,000 Btu	5	0.014	0.059	0.014	0.059	0.251	1.098	0.039	0.169	0.145	0.634	0.019	0.084
Carrier 72,000 Btu	4	0.002	0.010	0.002	0.010	0.041	0.179	0.006	0.028	0.024	0.103	0.003	0.014
Carrier 115, 00 Btu	12	0.011	0.046	0.011	0.046	0.196	0.859	0.030	0.132	0.113	0.495	0.015	0.066

Table 2. Nunhems USA Potential to Emit Criteria Pollutants

Source	Number of Sources	PM_{10}		$PM_{2.5}$		NOx		SOx		CO		VOC	
		(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)
Carrier 180,000 Btu	2	0.003	0.012	0.003	0.012	0.051	0.224	0.008	0.034	0.030	0.129	0.004	0.017
Facility Wide Total	89	1.74	5.50	0.94	1.98	34.70	17.00	1.94	1.63	5.07	6.07	1.68	1.25
Level I Modeling Thresholds for Criteria Pollutants		0.22		0.054	0.35	0.20	1.2	0.21	1.2	15			
Requires Modeling		**Yes**		**Yes**	**Yes**	**Yes**	**Yes**	**Yes[b]**	**Yes[b]**	**No**			

Notes:

[a] Per *State of Idaho Guideline for Performing Air Quality Impact Analysis, Appendix A* dated September 2013. Modeling for 1-hr NO_2 is no longer required for emergency engine generators (intermittent sources) operating less than 100 hours per year for routine testing and maintenance.

[b] SO_2 emission estimates are below regulatory concern (BRC) thresholds of 4 tons per year and are therefore not required to be modeled.

Toxic Air Pollutants (TAPs) emissions were estimated and compared to the screening emission limits (EL) specified in IDAPA 58.01.01.585 and 586. None of the TAPs exceeded the EL; therefore, no modeling was performed for TAPs.

No changes are proposed for the phosphine and ammonia box chamber fumigation emission calculations documented in the IDEQ Statement of Basis for PTC, No. P-2015.0017 dated June 9, 2016.

SECTION 4

Facility Classification

The Nunhems facility is classified as a minor facility because its potential-to-emit (PTE) is less than major source thresholds of 100 tons per year. The facility is not a designated facility as defined in IDAPA 58.01.01.006 and the facility is not a major source as defined in IDAPA 58.01.01.008.

The facility is located in Payette County which is classified as attainment or unclassifiable area for all regulated air pollutants.

SECTION 5

Dispersion Modeling

An air dispersion modeling protocol was prepared by CH2M and submitted to IDEQ via e-mail on August 12, 2016. A copy of the Modeling Protocol is included in Appendix F. This modeling protocol did not identify a facility-wide modeling approach. Based upon discussions with IDEQ, this PTC modification incorporates a facility-wide modeling approach using a new PTE established from the proposed changes.

Additionally, the proposed operating limit changes for DRYER2, DRYER3, HEAT01 and stack configuration changes for DRYER4A and DRYER4B were modeled as part of the facility-wide approach to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS). Properties and emission rates for all other sources remain unchanged as stated in PTC No. P-2015.0017. The Impact Modeling Analyses Report is included in Appendix G.

SECTION 6

Applicable Requirements

A regulatory analysis was performed for the facility to determine the applicability of the state and federal air quality regulations. The regulatory applicability determinations are included in this section.

The following sections address air quality regulatory compliance requirements for the facility. As detailed below, the sources comply with the applicable Idaho air quality regulations codified in Idaho Administrative Procedure Act (IDAPA) 58.01.01, as well as US Environmental Protection Agency (EPA) Federal regulations.

6.1 Federal Regulations

6.1.1 New Source Review and Prevention of Significant Deterioration Applicability—40 CFR Parts 51 and 52

In accordance with EPA and IDAPA 58.01.01.205 rules, the proposed facility will not be required to submit a construction permit application subject to the requirements of New Source Review (NSR) as it is not a major new source.

6.1.2 Greenhouse Gas Tailoring Rule

On May 13, 2010, the U.S. Environmental Protection Agency (EPA) issued a final rule that establishes an approach to addressing greenhouse gas emissions from stationary sources under the Clean Air Act (CAA) permitting programs. This final rule sets thresholds for GHG emissions that define when permits under the NSR, PSD, and Title V Operating Permit programs are required for new and existing facilities. This rule "tailors" the requirements of these CAA permitting programs to limit which facilities will be required to obtain PSD and Title V permits.

Beginning July 1, 2011, the PSD major source threshold of 100,000 tons per year CO2e became effective. A new source with potential GHG emissions above 100,000 tons per year CO2e is now subject to PSD permitting requirements for GHGs, regardless of whether PSD is also triggered for non-GHG pollutants. Modifications to existing major sources (defined relative to the new 100,000 tons per year threshold for CO2e or the 100/250 tons per year threshold for traditional NSR regulated pollutants) that result in an increase of GHG emissions by 75,000 tons per year CO2e or more are subject to PSD permitting requirements for GHGs. Therefore, beginning July 1, 2011, PSD for GHG pollutants can be triggered regardless of whether PSD is also triggered for non-GHG pollutants. In addition, beginning July 1, 2011, facilities with potential CO2e emissions of 100,000 tons per year or more are subject to Title V permitting requirements.

For determining PSD (or Title V) major source or major modification applicability, the quantity of GHGs emitted must not only equal or exceed 100,000 tons per year (75,000 tons per year for modifications) thresholds on a CO2e basis, but the sum of emissions of each GHG pollutant not adjusted for its global warming potential must also exceed the applicable threshold for non-GHG regulated pollutants (i.e., 100 tons per year for Title V or 100 tons per year/250 tons per year for PSD, depending on whether the source is on the list of 28 PSD categories or a designated facility as defined in IDAPA 58.01.01.006.26v).

As the total facility CO2e is 9,365 tons per year, the facility is not subject to PSD or Title V operating permit programs with respect to the GHG Tailoring Rule at this time.

6.1.3 New Source Performance Standards - 40 CFR Part 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines)

Two emergency standby diesel-fired engine generators (Caterpillar 250 kW and Cummins 1645 kW) are subject to 40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. A regulatory review of this subpart was prepared and documented for each emergency generator in the IDEQ SOB for PTC No. P-2015.0017 dated June 9, 2016.

6.1.4 National Emission Standards for Hazardous Air Pollutants - 40 CFR Part 63

Section 112 of the Clean Air Act (CAA) Amendments relates to the release of air toxic contaminants. The requirements of CAA Section 112(g) or (j) are not applicable because the facility is not a major source of HAPs (40 CFR 63.40(b)). Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAPS) apply to both major sources of HAPs, defined as PTE equal to or greater than 10 tons per year for any single HAP or PTE equal to or greater than 25 tons per year for total HAP, and area sources of HAPs as defined as any stationary source of HAPs that is not a major source. As HAP emissions are below major source thresholds, Nunhems is not a major source of HAPs. However, the facility is an area source of HAPs.

6.1.5 National Emission Standard for Hazardous Air Pollutants - 40 CFR Part 63 Subpart ZZZZ (NESHAP for Stationary Reciprocating Internal Combustion Engines)

One emergency standby diesel-fired engine generator is subject to 40 CFR Part 63 Subpart ZZZZ. A regulatory review of this subpart was prepared and documented for this emergency generator in the IDEQ SOB for PTC No. P-2015.0017 dated June 9, 2016.

6.2 IDAPA Regulations

IDAPA 58.01.01.130
STARTUP, SHUTDOWN, SCHEDULED MAINTENANCE, SAFETY MEASURES, UPSET AND BREAKDOWN.

If an excess emission event occurs during startup, shutdown, scheduled maintenance, safety measures, upset or breakdown, Nunhems will comply with IDAPA 58.01.01.130 through 58.01.01.136.

IDAPA 58.01.01.161
TOXIC SUBSTANCES

"Any contaminant which is by its nature toxic to human or animal life or vegetation shall not be emitted in such quantities or concentrations as to alone, or in combination with other contaminants, injure or unreasonably affect human or animal life or vegetation."

See emission calculations in Appendix D and modeling results in Appendix G.

IDAPA 58.01.01.200
PROCEDURES AND REQUIREMENTS FOR PERMITS TO CONSTRUCT

Nunhems will follow the procedures and requirements outlined under IDAPA 58.01.01.200 for obtaining a PTC.

IDAPA 58.01.01.210
DEMONSTRATION OF PRECONSTRUCTION COMPLIANCE WITH TOXIC STANDARDS

"In accordance with Subsection 203.03, the applicant shall demonstrate preconstruction compliance with Section 161 to the satisfaction of the Department. The accuracy, completeness, execution and results of the demonstration are all subject to review and approval by the Department."

See emission calculations in Appendix D and modeling results in Appendix G.

IDAPA 58.01.01.577
AMBIENT AIR QUALITY STANDARDS FOR SPECIFIC AIR POLLUTANTS

Nunhems will comply with the applicable ambient air quality standards in support of this PTC modification.

IDAPA 58.01.01.590
NEW SOURCE PERFORMANCE STANDARDS

Please see compliance review in the federal summary.

IDAPA 58.01.01.591
NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

Please see compliance review in the federal summary

IDAPA 58.01.01.625
VISIBLE EMISSIONS

"A person shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by this section."

IDAPA 58.01.01.650
RULES FOR CONTROL OF FUGITIVE DUST

Nunhems will take all reasonable precautions to prevent the generation of fugitive dust as outlined under IDAPA 58.01.01.650-651.

IDAPA 58.01.01.651
GENERAL RULES

"All reasonable precautions shall be taken to prevent particulate matter from becoming airborne. In determining what is reasonable, consideration will be given to factors such as the proximity of dust emitting operations to human habitations and/or activities and atmospheric conditions which might affect the movement of particulate matter. Some of the reasonable precautions may include, but are not limited to, the following:"

IDAPA 58.01.01.651.01 Use Of Water or Chemicals

"Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land."

IDAPA 58.01.01.651.02 Application Of Dust Suppressants

"Application, where practical, of asphalt, oil, water or suitable chemicals to, or covering of dirt roads, material stockpiles, and other surfaces which can create dust."

IDAPA 58.01.01.651.04 Covering Of Trucks

"Covering, when practical, open bodied trucks transporting materials likely to give rise to airborne dusts."

IDAPA 58.01.01.651.05 Paving

"Paving of roadways and their maintenance in a clean condition, where practical."

IDAPA 58.01.01.651.06 Removal of Materials

"Prompt removal of earth or other stored material from streets, where practical."

IDAPA 58.01.01.701
PARTICULATE MATTER – NEW EQUIPMENT PROCESS WEIGHT LIMITATIONS

1. Dust Collectors (1-8)
2. Cartridge Collectors (1-6)
3. Murphy Rodgers Baghouse
4. Herding Filtration System (1-2)

As detailed in Appendix E, Nunhems complies with the applicable process weight requirements outlined under IDAPA 58.01.01.701.

IDAPA 58.01.01.725
RULES FOR SULFUR CONTENT OF FUELS
Ultra low sulfur diesel fuel will be used in the emergency generators.

IDAPA 58.01.01.775
RULES FOR CONTROL OF ODORS

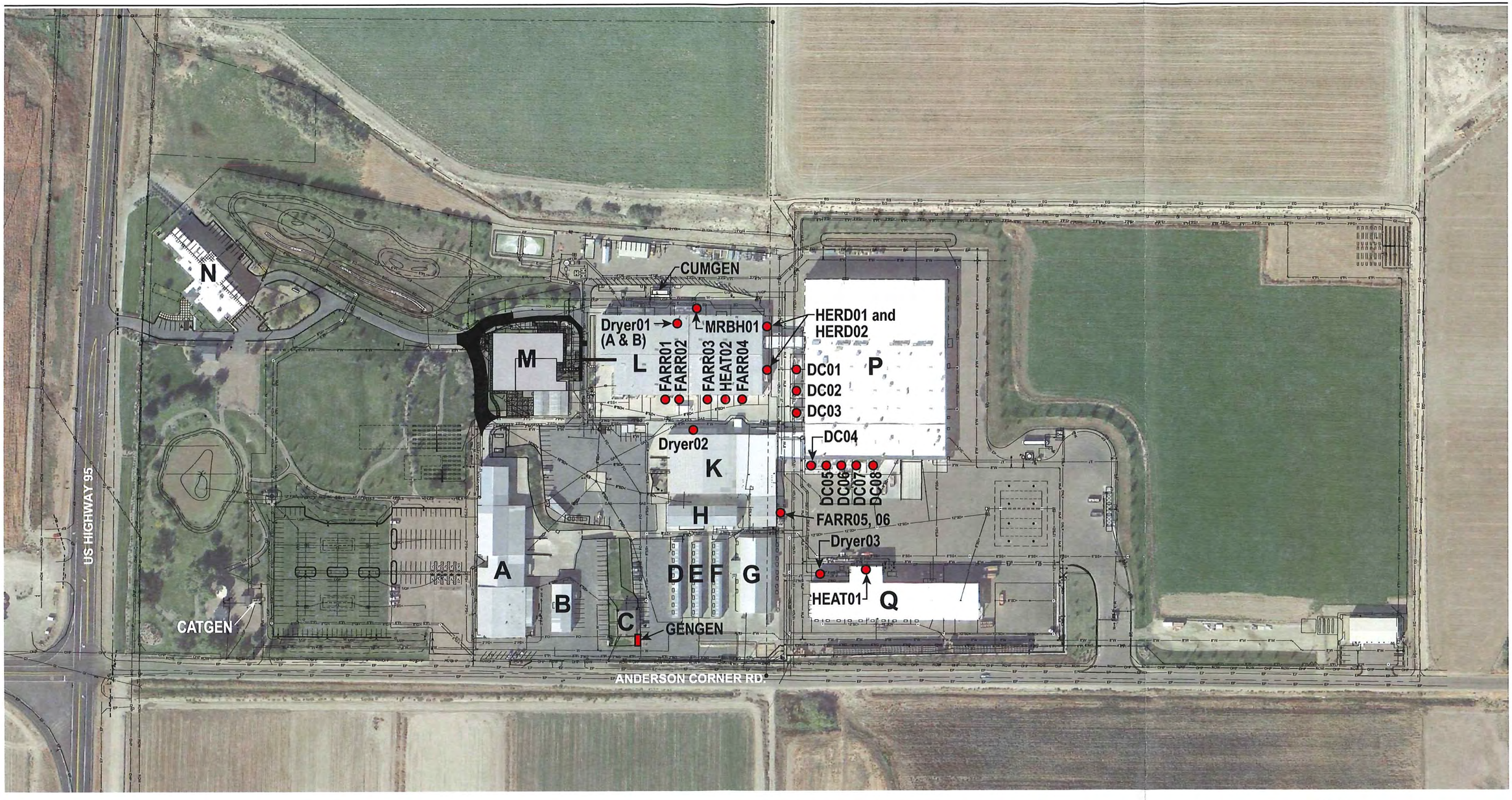
IDAPA 58.01.01.776
GENERAL RULES

IDAPA 58.01.01.776.01 General Restrictions

"No person shall allow, suffer, cause or permit the emission of odorous gases, liquids or solids into the atmosphere in such quantities as to cause air pollution."

Nunhems will follow the guidelines set under IDAPA 58.01.01.775 through IDAPA 58.01.01.776 to control odorous emissions from all sources for which no gaseous emission control rules apply.

Figure 1



North

0 100 200 300 400

Approximate scale in feet

NOTE:
Does not include building propane heaters and HVAC units.

FIGURE 1

PARMA SITE OVERVIEW

Nunhems USA, Inc.

ES080613203629BOI

ch2m:

Appendix A
PTC No. P-2015.0017

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor
Curt Fransen, Director

June 9, 2016

Tyson Smith, Country Head USA
Nunhems USA, Inc.
1200 Anderson Corner Rd.
Parma, ID 83660

RE: Facility ID No. 027-00130, Nunhems USA, Inc., Parma
Final Permit Letter

Dear Mr. Smith:

The Department of Environmental Quality (DEQ) is issuing initial Permit to Construct (PTC) No. P-2015.0017 Project 61508 to Nunhems USA, Inc., located at Parma, for a seed treatment processing facility. This PTC is issued in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho) and is based on the certified information provided in your PTC application received April 23, 2015.

This permit is effective immediately. This permit does not release Nunhems USA, Inc. from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Thomas Krinke, Boise Regional Office Air Quality Science Officer, (208) 373-0550, to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends that the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Bill Rogers at (208) 373-0502 or william.rogers@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\BR\tc

Permit No. P-2015.0017 PROJ 61508

Enclosures

Printed on Recycled Paper

AIR QUALITY

PERMIT TO CONSTRUCT

Permittee	Nunhems USA, Inc.
Permit Number	P-2015.0017
Project ID	61508
Facility ID	027-00130
Facility Location	1200 Anderson Corner Road, Parma, ID 83660

Permit Authority

This permit (a) is issued according to the "Rules for the Control of Air Pollution in Idaho" (Rules), IDAPA 58.01.01.200–228; (b) pertains only to emissions of air contaminants regulated by the State of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with the application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; and (g) in no manner implies or suggests that the Idaho Department of Environmental Quality (DEQ) or its officers, agents, or employees assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment, or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200–228.

Date Issued June 9, 2016

Bill Rogers for

Randy Stegen, Permit Writer

Dan Pittman for

Mike Simon, Stationary Source Manager

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1 Permit Scope

Purpose

1.1 This is the initial permit to construct (PTC) for a seed processing facility.

Regulated Sources

Table 1.1 lists all sources of regulated emissions in this permit.

Table 1.1 Regulated Sources

Permit Section	Source	Control Equipment
2	Caterpillar Emergency Generator Manufacturer: Caterpillar Model: C9-2008 Manufacture Date: 2008 Rating: 398 bhp Fuel: ULSD only	N/A
2	Generac Emergency Generator Manufacturer: New Holland Model: SD080 Manufacture Date: 2002 Rating: 125 bhp Fuel: ULSD only	N/A
2	Cummins Emergency Generator Manufacturer: Cummins Model: QSK50-G4 NR2 Manufacture Date: 2009 Rating 2,205 bhp Fuel: ULSD only	N/A
3	DC-1 Seed Conditioning (Lines 3-4)	CSL Dust Collector
3	DC-2 Seed Conditioning (AIM Blending Line)	CSL Dust Collector
3	DC-3 Seed Conditioning (Lines 1-2)	CSL Dust Collector
3	DC-4 Seed Conditioning (Carrot Seed Brushing)	CSL Dust Collector
3	DC-5 Seed Conditioning (Scalping Lines 3-4)	CSL Dust Collector
3	DC-6 Seed Conditioning (Scalping Lines 1-2)	CSL Dust Collector
3	DC-7 Seed Conditioning (Scalping and Brush Lines)	CSL Dust Collector
3	DC-8 Seed Packaging and Shipping	CSL Dust Collector
3	FARR 1 Seed Treatment (Film Coating)	FARR Cartridge Filter
3	FARR 2 Seed Treatment (Film Coating)	FARR Cartridge Filter
3	FARR 3 Seed Enhancement (Pelleting)	FARR Cartridge Filter
3	FARR 4 Seed Enhancement (Pelleting)	FARR Cartridge Filter
3	FARR 5 Warehousing (Bulk Unloading)	FARR Cartridge Filter
3	FARR 6 Warehousing (Bulk Unloading)	FARR Cartridge Filter

Permit Section	Source	Control Equipment
3	MR BH 1 Seed Enhancement (Priming)	Murphy-Rodgers Baghouse
3	HERD 1 Seed Enhancement (Powder/Blending)	Herding Filtration Unit
3	HERD 2 Seed Enhancement (Pelleting)	Herding Filtration Unit
3	HEAT 1 Two Propane Building Heaters	None
3	HEAT 2 Four Propane Building Heaters	None
3	DRYER 1 Two Enclosed Propane Seed Dryers	None
3	DRYER 2 Propane Seed Dryer	None
3	DRYER 3 Propane Seed Dryer	None
3	DRYER FARR 3 Two Propane Seed Dryers	None
3	DRYER FARR 4 Three Propane Seed Dryers	None
3	FUME Fumigation Chamber	None

2 Emergency IC Engines

2.1 Process Description

Three emergency IC engines are utilized to provide backup power to the facility. The Caterpillar and Cummins engines are subject to requirements of 40 CFR 60, Subpart IIII. The Generac Generator engine is subject to requirements of 40 CFR 63, Subpart ZZZZ.

2.2 Control Device Descriptions

Table 2.1 Emergency IC Engines Description

Emissions Units / Processes	Control Devices	Emission Points
Caterpillar Emergency Generator	N/A	IC Engine Exhaust Stack
Generac Emergency Generator	N/A	IC Engine Exhaust Stack
Cummins Emergency Generator	N/A	IC Engine Exhaust Stack

Emission Limits

2.3 Emission Limits

The emissions from the emergency engines shall not exceed any corresponding emissions rate limits listed in Table 2.2.

Table 2.2 Emergency Engines Emission Limits[a]

Source Description	$PM_{10}/PM_{2.5}$[b]		SO_2		NO_X		CO		VOC	
	lb/hr[c]	T/yr[d]	lb/hr[c]	T/yr[d]	lb/hr[c]	T/yr[d]	lb/hr[c]	T/yr[d]	lb/hr[c]	T/yr[d]
Caterpillar Emergency Generator	0.069	0.017	0.82	.020	2.61	0.65	0.32	0.08	0.98	0.25
Generac Emergency Generator	0.270	0.068	0.26	0.06	1.86	0.46	0.52	0.13	0.06	0.02
Cummins Emergency Generator	0.146	0.036	0.53	0.13	27.71	6.93	2.77	0.69	0.39	0.10

a In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.

b Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM_{10}) or 2.5 micrometers ($PM_{2.5}$), including condensable particulate as defined in IDAPA 58.01.01.006.

c Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157, EPA reference test method, continuous emission monitoring system (CEMS) data, or DEQ-approved alternative.

d Tons per any consecutive 12-calendar month period.

2.4 Opacity Limit

Emissions from the emergency IC engine stacks, or any other stack, vent, or functionally equivalent opening associated with the emergency IC engines, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

2.5 ULSD Fuel Specifications

ULSD fuel oil is fuel which meets ASTM Grades 1 or 2, or a mixture of ASTM Grades 1 and 2, and which has a maximum sulfur content of 0.0015% (15 ppm) by weight.

40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines - Applicable to the Caterpillar and Cummins Emergency IC Engines

2.6 Certification to Emission Standards

In accordance with 40 CFR 60.4202(a)(2), the permittee must certify the Caterpillar and Cummins emergency IC engines to the emission standards for new nonroad CI engines in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants.

2.7 Emergency IC Engine Emission Standards

In accordance with 40 CFR 60.4206, the permittee shall operate and maintain the Caterpillar and Cummins emergency IC engines according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, over the entire life of the engine.

2.8 Emergency IC Engine Fuel Requirements

In accordance with 40 CFR 60.4207(a), fuel purchased on or after October 1, 2010 for use in the Caterpillar and Cummins emergency IC engines shall contain a maximum sulfur content of 15 ppm.

2.9 Emergency IC Engine Monitoring Requirements

In accordance with 40 CFR 60.4209(a), the permittee shall install a non-resettable hour meter on the Caterpillar and Cummins emergency IC engines prior to startup.

2.10 Emergency IC Engine Emission Standards

In accordance with 40 CFR 60.4211(c), the Caterpillar and Cummins emergency IC engines must be installed and configured according to the manufacturer's emission-related specifications.

2.11 Emergency IC Engine Compliance Requirements

In accordance with 40 CFR 60.4211(f), the permittee must operate the Caterpillar and Cummins emergency IC engines according to the requirements below. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, is prohibited. If the permittee does not operate the engine according to the requirements, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

- There is no time limit on the use of emergency stationary ICE in emergency situations.
- The permittee may operate the emergency stationary ICE for any combination of the purposes specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed counts as part of the 100 hours per calendar year.
    - Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

- Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
- Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

- Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

2.12 Emergency IC Engine Notification and Recordkeeping Requirements

In accordance with 40 CFR 60.4214(b), if the stationary IC internal combustion engine is an emergency stationary internal combustion engine, the permittee is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the permittee must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation of the engine and the reason the engine was in operation during that time.

40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines – Applicable to the Generac Emergency IC Engine

2.13 General Compliance

In accordance with 40 CFR 63.6605, the permittee shall operate and maintain the Generac Generator engine and associated pollution control equipment (where applicable) in a manner that minimizes emissions.

2.14 General Maintenance

In accordance with 40 CFR 63.6625(e), the permittee must operate and maintain the Generac Generator engine according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

2.15 Engine Startup

In accordance with 40 CFR 63.6625(h), the Generac Generator engine's time spent at idle during startup shall be minimized to a period needed for appropriate and safe loading of the engine, but not to exceed 30 minutes.

2.16 Emergency IC Engine Operation and Maintenance Requirements

In accordance with 40 CFR 63.6603(a), the permittee must comply with the following maintenance schedule for the Generac Generator engine:

- Change the engine oil and oil filter every 500 hours of operation or annually, whichever comes first.
- Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first.
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first.

2.17 Emergency IC Engine Fuel Requirements

In accordance with 40 CFR 63.6604(b), the permittee must only use diesel fuel that meets the requirements in 40 CFR 80.510(b) in the Generac Generator engine, except that any existing diesel fuel purchased prior to January 1, 2015 may be used until depleted.

2.18 Emergency IC Engine Monitoring Requirements

In accordance with 40 CFR 63.6625(f), the permittee shall install a non-resettable hour meter on the Generac Generator engine if one is not already installed.

2.19 Recordkeeping Requirements

In accordance with 40 CFR 63.6660, the permittee must maintain records in a form suitable and readily available for expeditious review and must be readily accessible for at least five years after the date of each occurrence.

Monitoring and Recordkeeping Requirements

2.20 Fuel Specifications Recordkeeping

On an as-received basis for each shipment of distillate fuel oil for the Caterpillar, Cummins, and Generac Generator emergency IC engines, the permittee shall maintain supplier verified and certified information documenting the percent sulfur content by weight of the fuel.

2.21 Incorporation of Federal Requirements by Reference

Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 shall constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- Applicable requirements of Standards of Performance for New Stationary Sources (NSPS), 40 CFR Part 60
- Applicable requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 63

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS and NESHAP), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document shall govern, including any amendments to that regulation.

3 Seed Processing

3.1 Process Description

Nunhems USA, Inc. operates a seed treatment processing facility. There are five processing stages:

- **Warehousing** – Seeds are received at the facility and inspected to determine if they are "dirt seed" or "clean seed". Both dirt seed and clean seed are sampled and analyzed to determine trueness to type, purity, vigor, seed health, and seed count. Seeds are then analyzed for moisture content and dried, if needed. A fumigation process may also be performed, as needed, in order to eliminate insect infestation that may damage the seeds. Fumigation is accomplished using phosphine gas within a fumigation chamber.
- **Seed Conditioning** – Seed conditioning, also referred to as seed cleaning or seed milling, is the process of extracting the clean, pure seed from the plant parts that came with the seed from the field. Product considered dirt seed is received and stored within an adjacent building before it is conditioned in the conditioning building. Once received in the conditioning building, dirt seed goes through a scalping, or pre-cleaning, process where product is run across an air screen cleaner to remove plant parts from the seed. The seed then goes through another process known as brushing, where the awns, or hairs, of the seed are removed. After scalping and/or brushing, the seed is sent through the conditioning lines where they are further cleaned, density separated, color sorted, and size sorted. If the quality standards are met the seed is moved to climate controlled storage.
- **Seed Enhancement** – During the seed enhancement process, seeds are disinfected using a 1-percent chlorine solution, primed (pre-germinated), dried, sorted, and pelleted (the application of a polymer and filler to the seed to create a more uniform shape). Additional drying may be conducted following the application of the polymer in the pelleting process.
- **Seed Treatment** – After seed enhancement, seeds are sent for treatment where a thin layer of water-based polymer is applied in order to encapsulate the seed and hold pesticide to the seed.
- **Packaging and Shipment** – Seed is packaged in a variety of containers (pails, cans, pouches). The packaged seed can be stocked on site or distributed for sale.

Nunhems maintains eight Carothers dust collectors, six FARR cartridge dust collectors, one Murphy Rodgers baghouse, and two Herding filtration units to control particulate matter. The process heaters and building heaters use propane exclusively as the fuel source.

3.2 Control Device Descriptions

PM_{10} emissions from the seed processing operations are controlled by dust collectors and baghouses as described in Table 3.1. The seed dryers and heaters are propane fueled and emissions are uncontrolled.

Table 3.1 Seed Processing Description

Emissions Units / Processes	Control Devices	Emission Points
DC-1 Seed Conditioning (Lines 3-4)	CSL Dust Collector No. 1 Control Efficiency: 99.995%	Dust Collector Outlet
DC-2 Seed Conditioning (AIM Blending Line)	CSL Dust Collector No. 2 Control Efficiency: 99.995%	Dust Collector Outlet
DC-3 Seed Conditioning (Lines 1-2)	CSL Dust Collector No. 3 Control Efficiency: 99.995%	Dust Collector Outlet
DC-4 Seed Conditioning (Carrot Seed Brushing)	CSL Dust Collector No. 4 Control Efficiency: 99.995%	Dust Collector Outlet
DC-5 Seed Conditioning (Scalping Lines 3-4)	CSL Dust Collector No. 5 Control Efficiency: 99.995%	Dust Collector Outlet
DC-6 Seed Conditioning (Scalping Lines 1-2)	CSL Dust Collector No. 6 Control Efficiency: 99.995%	Dust Collector Outlet
DC-7 Seed Conditioning (Scalping and Brush Lines)	CSL Dust Collector No. 7 Control Efficiency: 99.995%	Dust Collector Outlet
DC-8 Seed Packaging and Shipping	CSL Dust Collector No. 8 Control Efficiency: 99.995%	Dust Collector Outlet
FARR 1 Seed Treatment (Film Coating)	FARR Cartridge Collector No. 1 Control Efficiency: 99.99%	Cartridge Collector Outlet
FARR 2 Seed Treatment (Film Coating)	FARR Cartridge Collector No. 2 Control Efficiency: 99.99%	Cartridge Collector Outlet
FARR 3 Seed Enhancement (Pelleting)	FARR Cartridge Collector No. 3 Control Efficiency: 99.99%	Cartridge Collector Outlet
FARR 4 Seed Enhancement (Pelleting)	FARR Cartridge Collector No. 4 Control Efficiency: 99.99%	Cartridge Collector Outlet
FARR 5 Warehousing (Bulk Unloading)	FARR Cartridge Collector No. 5 Control Efficiency: 99.99%	Cartridge Collector Outlet
FARR 6 Warehousing (Bulk Unloading)	FARR Cartridge Collector No. 6 Control Efficiency: 99.99%	Cartridge Collector Outlet
MR BH 1 Seed Enhancement (Priming)	Murphy-Rodgers Baghouse Control Efficiency: 99.9%	Baghouse Outlet
HERD 1 Seed Enhancement (Powder/Blending)	Herding Filtration Unit No. 1 Control Efficiency: 99.97%	Filtration Unit Outlet
HERD 2 Seed Enhancement (Pelleting)	Herding Filtration Unit No. 2 Control Efficiency: 99.97%	Filtration Unit Outlet
HEAT 1 Two Propane Building Heaters	<u>Two Propane Building Heaters</u> Manufacturer: RAE Corporation Model No. RCUAC4CD50-H4 Rating: 1 MMBtu/unit (each)	Combustion Unit Exhaust
HEAT 2 Four Propane Building Heaters	<u>Four Propane Building Heaters South of Building "L"</u> Rating: 0.25 MMBtu/hr (each)	Combustion Unit Exhaust

Emissions Units / Processes	Control Devices	Emission Points
DRYER 1 Two Enclosed Propane Seed Dryers	Two Enclosed Propane Seed Dryers within Building "L" Rating: 1 MMBtu/hr (each)	Combustion Unit Exhaust
DRYER 2 Propane Seed Dryer	Propane Seed Dryer Northwest of Building "K" Rating: 2.5 MMBtu/hr	Combustion Unit Exhaust
DRYER 3 Propane Seed Dryer	Propane Seed Dryer Northwest of Building "L" Rating: 2.0 MMBtu/hr	Combustion Unit Exhaust
DRYER FARR 3 Two Propane Seed Dryers	Two Propane Seed Dryers inside Building "L" Vents through FARR 3 Rating: 0.5 MMBtu/hr (each)	Combustion Unit Exhaust
DRYER FARR 4 Three Propane Seed Dryers	Three Propane Seed Dryers inside Building "L" Vents through FARR 4 Rating: 0.5 MMBtu/hr (each)	Combustion Unit Exhaust
FUME Fumigation Chamber	Fumigation Chamber Length: 60'9" Width: 9'6" Interior Height: 13'1"	Emissions are uncontrolled from fumigation chamber

Emission Limits

3.3 Opacity Limit

Emissions from any baghouse, dust collector, filtration unit, heater, or dryer stack, or any other stack, vent, or functionally equivalent opening associated with the baghouses, dust collectors, filtration units, heaters, or dryers, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

3.4 Emission Limits

PM_{10}, $PM_{2.5}$, VOC, and NO_x emissions from the seed processing operations shall not exceed any corresponding emissions rate limits listed in the following table.

Table 3.2 SEED PROCESSING OPERATIONS EMISSIONS LIMITS

Source Description	PM_{10}		$PM_{2.5}$		VOC		NO_x	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Seed Processing Operations	1.20	4.90	0.32	1.38	0.043	0.19	1.27	2.65

Operating Requirements

3.5 Seed Processing Throughput Limit

To demonstrate compliance with the Emissions Limits Permit Condition, the permittee shall not process more than 10,000 tons of seed per any consecutive 12-month period.

3.6 Fuel Usage

The building heaters and seed dryers shall only use propane fuel.

3.7 Dryer 2 Operating Limit

Dryer 2 may only be operated between the hours of 8:00 a.m. and 6:00 p.m. daily for a total of 10 hours per day and 3,650 hours per year.

3.8 Dryer 3 Operating Limit

Dryer 3 may only be operated between the hours of 6:00 a.m. and 4:00 p.m. for a total of 10 hours per day. Dryer 3 may only be operated during the months of August and September and only from Monday through Saturday. Operation of Dryer 3 is limited to a maximum of 530 hours per year.

3.9 Baghouse, Dust Collector, and Filtration Unit Operations and Maintenance Manual

The permittee shall develop and maintain an Operations and Maintenance (O&M) manual for the baghouses, dust collectors, and filtration units. The manual must describe the procedures that will be followed to comply with the General Compliance General Provision of this permit, the manufacturer's specifications, and all other permit requirements for the baghouses, dust collectors, and filtration units. The manual shall be a permittee developed document independent of the manufacturer supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual.

At a minimum, the O&M manual shall:

- Be based on manufacturer's information to the extent practical. When the manufacturer's information is not used, other supporting information such as operating parameters measured during a successful performance test shall be included in the manual.
- Include procedures to determine if bags, cartridges, or filters are ruptured and if bags, cartridges, or filters are not appropriately secured in place.
- Include the frequency that the physical inspections are to occur.
- Include a record of the results of each inspection and any corrective action taken in response to the results of the inspection.

The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

3.10 CSL Dust Collector Filter Bag Requirements

The CSL Dust Collectors shall be equipped with filter bags which have a minimum collection efficiency of 99.995% for PM_{10}.

3.11 FARR Cartridge Collector Filter Requirements

The FARR Cartridge Collectors shall be equipped with filter cartridges which have a minimum collection efficiency of 99.99% for PM_{10}.

3.12 Murphy-Rodgers Baghouse Filter Requirements

The Murphy-Rodgers Baghouse shall be equipped with filter bags which have a minimum collection efficiency of 99.9% for PM_{10}.

3.13 Herding Filtration Unit Filter Requirements

The Herding Filtration Units shall be equipped with filter elements which have a minimum collection efficiency of 99.97% for PM_{10}.

3.14 Maintenance and Operation of the Baghouses, Dust Collectors, and Filtration Units

The permittee shall maintain and operate the baghouses, dust collectors, and filtration units

according to manufacturer's and Operation and Maintenance Manual specifications and recommendations to demonstrate compliance with the Emission Limits Permit Condition and Opacity Limit Permit Condition. The baghouses, dust collectors, and filtration units shall be in operation whenever the respective seed processing lines are in operation.

Monitoring and Recordkeeping Requirements

3.15 Seed Throughput Monitoring

The permittee shall monitor and record the monthly and annual seed throughput in tons from the seed processing operations in order to demonstrate compliance with the Seed Processing Throughput Limit Permit Condition. Annual seed throughput shall be determined by summing total monthly seed throughput over each consecutive 12-month period.

3.16 Dryer 2 and Dryer 3 Monitoring

The permittee shall monitor and record the dates and times of operation for Dryer 2 and Dryer 3. The records shall include the date of operation, start and stop times for each day of operation, and the total hours of operation each day.

3.17 Visible Emissions Monitoring

The permittee shall conduct a monthly inspection of visible emissions from the seed processing baghouses, dust collectors, and filtration units during daylight hours and under normal operating conditions. The inspection shall consist of a see/no see evaluation of visible emissions. If any visible emissions are present from the device stacks, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emissions inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed); any corrective action taken in response to the visible emissions; and the date corrective action was taken.

3.18 Recordkeeping Requirement

The permittee shall comply with the requirements of the Recordkeeping General Provision.

4 General Provisions

General Compliance

4.1 The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the "Rules for the Control of Air Pollution in Idaho." The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit, the "Rules for the Control of Air Pollution in Idaho," and the Environmental Protection and Health Act (Idaho Code §39-101, et seq.)

[Idaho Code §39-101, et seq.]

4.2 The permittee shall at all times (except as provided in the "Rules for the Control of Air Pollution in Idaho") maintain in good working order and operate as efficiently as practicable all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211, 5/1/94]

4.3 Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules, and regulations.

[IDAPA 58.01.01.212.01, 5/1/94]

Inspection and Entry

4.4 Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:

- Enter upon the permittee's premises where an emissions source is located, emissions-related activity is conducted, or where records are kept under conditions of this permit;
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
- Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

Construction and Operation Notification

4.5 This permit shall expire if construction has not begun within two years of its issue date, or if construction is suspended for one year.

[IDAPA 58.01.01.211.02, 5/1/94]

4.6 The permittee shall furnish DEQ written notifications as follows:

- A notification of the date of initiation of construction, within five working days after occurrence; except in the case where pre-permit construction approval has been granted then notification shall be made within five working days after occurrence or within five working days after permit issuance whichever is later;

- A notification of the date of any suspension of construction, if such suspension lasts for one year or more;
- A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date; and
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.03, 5/1/94]

Performance Testing

4.7 If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

4.8 All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

4.9 Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

Monitoring and Recordkeeping

4.10 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Monitoring records shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

Excess Emissions

4.11 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130–136 for excess emissions due to start-up, shut-down, scheduled maintenance, safety measures, upsets, and breakdowns.

[IDAPA 58.01.01.130–136, 4/5/00]

Certification

4.12 All documents submitted to DEQ—including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification—shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123, 5/1/94]

False Statements

4.13 No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

Tampering

4.14 No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

Transferability

4.15 This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

Severability

4.16 The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

[IDAPA 58.01.01.211, 5/1/94]

Appendix B
Manufacturer Specifications

Local Sukup Dealer

14358

Adams Grain Bins

36 S Overman Dr.
Jerome, ID 83443
Phone: (208) 932-3232
Mobile:
Fax: (208) 258-9786

Quote # 14358 Ver: 9.01 PO By: Quote Date: 6/16/2016

Sold To:
Company Name (optional)
Customer, Sample
Shipping Address
Sheffield, IA 50475
Phone: (641) 892-4222 Fax: (641) 892-4229
Cell: (123) 456-7230 Customer: sample
sukup@sukup.com

Ship To:
Sample Customer
Shipping Address
Sheffield, IA 50475
(641) 892-4222

Qty	Part #	Description	Pounds Each	Unit List	Extended List	Tax	Customer Price
1	D1141	FAN,CENT,20H,3P,460V,1750,W/C	770	[redacted]	[redacted]		[redacted]
1	D4282	HEATER,CENT,DS20V-MT	163	[redacted]	[redacted]		[redacted]
1	D4332	HEATER,CENT,DL40V-MT	225	[redacted]	[redacted]		[redacted]
1	D1441	FAN,CENT,40HP,3PH,460V,DBL,W/C	1,250	[redacted]	[redacted]		[redacted]
		Total Weight: (lbs)	2,408		[redacted]		[redacted]

Note: Weight shown is estimated and does not include the weight of any packaging or crates. Please check all weights to ensure accuracy.

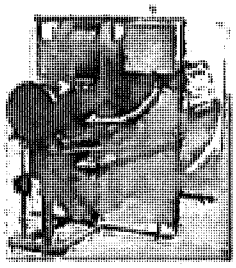
Total: [redacted]

Accepted by _____ **Date** _____

Note: Carefully check this list to insure that all required items are listed. Sukup Mfg. Co. and Adams Grain Bins will not be held responsible for any omissions.

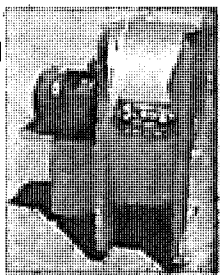
Double Inlet Fans

- Sukup offers 30 hp and larger 1750 RPM Double Inlet Fans.
- Double-blade design is more efficient and gives more airflow than comparable single blade fans. Double air inlet pulls air over the motor, utilizing motor heat.
- Engine-driven fans are also available.



Sukup High Speed Fans

- Sukup also offers a full line of high speed (3500 RPM) centrifugal fans.
- Ideal for deep grain depths, aerating small grains or where static pressure is high.
- Totally-enclosed motors.
- CSA models available in sizes 3-50 hp.



Certified Airflows* for 1750 RPM Centrifugal Fans - CFM

1750 RPM	Static Pressure - inches of water										
HP	0	1	2	3	4	5	6	7	8	9	10
3	5300	4500	3800	3400	3000	2600	-	-	-	-	-
5*	9500	8900	7650	6700	6000	5000	-	-	-	-	-
7 1/2"*	12,000	11,300	10,400	9400	8500	7700	6700	-	-	-	-
10*	16,000	15,150	14,200	13,200	12,200	11,200	10,100	7800	3300	-	-
15*	18,000	17,000	16,100	15,200	14,300	12,700	11,700	11,100	8700	-	-
20*	23,600	22,800	21,750	20,650	19,600	18,500	17,200	15,800	14,500	12,000	-
25	24,100	23,200	22,300	21,300	20,300	19,300	18,200	17,100	16,000	14,000	-
30 sng.	24,701	23,787	22,873	21,958	21,044	20,143	19,251	18,359	17,383	16,403	12,100
30 dbl.	34,000	32,200	30,300	28,600	27,000	25,500	23,500	21,800	19,500	16,700	13,700
40 sng.	31,300	30,600	29,900	29,000	28,000	26,900	25,700	24,500	23,300	22,000	20,700
40 dbl.	43,400	41,400	39,300	37,300	34,600	31,800	29,100	27,200	25,000	22,200	19,000
50 sng.	32,300		30,640		28,975		27,310		25,410		23,275
50 dbl.	54,000	50,800	47,400	44,000	40,600	37,400	34,000	30,800	28,600	25,800	20,500

*Sukup Manufacturing Co. certifies that the airflow for designated fan models has been determined by an INDEPENDENT airflow testing laboratory.

Airflows for 3500 RPM Centrifugal Fans - CFM

3500 RPM	Static Pressure - inches of water											
HP	0	2	4	6	8	10	12	14	16	18	20	22
3	3300	2800	2400	1950	1350	900	-	-	-	-	-	-
5	4450	4050	3550	3000	2350	1550	-	-	-	-	-	-
7 1/2	5050	4600	4250	3850	3400	2900	2350	1650	-	-	-	-
10	7300	6850	6350	5800	5400	4700	3950	2400	-	-	-	-
15	10,050	9500	8850	8050	7350	6350	4750	2650	-	-	-	-
20	10,800	10,350	9850	9300	8700	8150	7550	6850	6150	5200	4100	-
30	14,500	13,800	13,000	12,300	11,600	10,800	10,200	9400	8400	7800	6800	-
40	19,000	18,300	17,200	16,200	15,300	14,300	13,100	11,700	9500	9000	7800	-
50	22,400	21,200	20,100	19,300	18,500	17,750	16,500	15,050	14,175	12,950	11,500	-
60	24,000	23,300	22,600	21,500	20,800	19,500	18,800	17,750	17,000	16,000	15,400	14,500

Centrifugal Heater Max BTU/HR

Heater Model	Temp Rise	Fan Horsepower 7.5-15	20	30-50
Hi-Temp	50-180°F	2.7M	3.7M	5.4M
Lo-Temp	25-75°F	.72M	.72M	1.44M
Super Lo-Temp	10-30°F	.3M	.5M	1M

Sukup Manufacturing Co. provides this information to assist you in choosing the optimal equipment for your situation. Sukup specifications should only be used as estimates, and not as a warranty, express or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continuously improving Sukup products, changes may occur that may not be reflected in the specifications.

Appendix C
DEQ PTC Application Forms

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline: 1-877-5PERMIT

General Information **Form GI**
Revision 7
6/29/12

Please see instructions on back page before filling out the form. All information is required. If information is missing, the application will not be processed.

Identification

1. Facility name: Nunhems USA, Inc.

2. Existing facility identification number: 027-00130

☐ **Check if new facility (not yet operating)**

3. Brief project description: Minor source permit mod for existing carrot and onion seed processing facility

Facility Information

4. Primary facility permitting contact name: Shane Roe
Contact type: Facility permitting contact
Telephone number: 208-936-5726
E-mail: shane.roe@bayer.com

5. Alternate facility permitting contact name: Tracy Landry
Alternate contact type: Responsible official
Telephone number: 208-674-4323
E-mail: tracy.landry@bayer.com

6. Mailing address where permit will be sent (street/city/county/state/zip code): 1200 Anderson Corner Road, Parma, Idaho, 83660

7. Physical address of permitted facility (if different than mailing address) (street/city/county/state/zip code):

8. Is the equipment portable? ☐ **Yes*** ☒ **No** ***If yes, complete and attach PERF; see instructions.**

9. NAICS codes: **Primary NAICS**: 115114 **Secondary NAICS**:

10. Brief business description and principal product produced: agriculture seed processing, storage, and shipping facility

11. Identify any adjacent or contiguous facility this company owns and/or operates:

12. Specify type of application ☒ **Permit to construct (PTC); application fee of $1,000 required. See instructions.**

☐ **Tier I permit** ☐ **Tier II permit** ☐ **Tier II/Permit to construct**

For Tier I permitted facilities only: If you are applying for a PTC then you must also specify how the PTC will be incorporated into the Tier I permit.

☐ **Co-process Tier I modification and PTC** ☐ **Incorporate PTC at the time of Tier I renewal** ☐ **Administratively amend the Tier I permit to incorporate the PTC upon applicant's request (IDAPA 58.01.01.209.05.a, b, or c)**

Certification

In accordance with IDAPA 58.01.01.123 (Rules for the Control of Air Pollution in Idaho), I certify based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

13. Responsible official's name: Tracy Landry
Official's title: Secretary
Official's address: 1200 Anderson Corner Road, Parma, Idaho 83660
Telephone number: 208-674-4323
E-mail: tracy.landry@bayer.com
Official's signature: Tracy Landry
Date: 10/26/16

☒ **14. Check here to indicate that you want to review the draft permit before final issuance.**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Cover Sheet for Air Permit Application – Permit to Construct **Form CSPTC**

Please see instructions on page 2 before filling out the form.

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	Nunhems USA, Inc.		
2. Facility Name	Nunhems Parma	3. Facility ID No.	027-00130
4. Brief Project Description - One sentence or less	Minor source permit mod for existing carrot and onion seed processing facility		

PERMIT APPLICATION TYPE

5. ☐ New Source ☐ New Source at Existing Facility ☐ PTC for a Tier I Source Processed Pursuant to IDAPA 58.01.01.209.05.c
☐ Unpermitted Existing Source ☐ Facility Emissions Cap ☒ Modify Existing Source: Permit No.: P-2015.0017 Date Issued: 7-9-16
☐ Required by Enforcement Action: Case No.:____

6. ☒ Minor PTC ☐ Major PTC

FORMS INCLUDED

Included	N/A	Forms		DEQ Verify
☒	☐	Form CSPTC – Cover Sheet		☐
☒	☐	Form GI – Facility Information		☐
☒	☐	Form EU0 – Emissions Units General - 3		☐
☐	☐	Form EU1– Industrial Engine Information	Please specify number of EU1s attached:	☐
☐	☒	Form EU2– Nonmetallic Mineral Processing Plants	Please specify number of EU2s attached: ____	☐
☐	☒	Form EU3– Spray Paint Booth Information	Please specify number of EU3s attached: ____	☐
☐	☒	Form EU4– Cooling Tower Information	Please specify number of EU3s attached: ____	☐
☐	☒	Form EU5 – Boiler Information	Please specify number of EU4s attached: ____	☐
☐	☒	Form CBP– Concrete Batch Plant	Please specify number of CBPs attached: ____	☐
☐	☒	Form HMAP – Hot Mix Asphalt Plant	Please specify number of HMAPs attached: ____	☐
☐	☒	PERF – Portable Equipment Relocation Form		☐
☐	☒	Form AO – Afterburner/Oxidizer		☐
☐	☒	Form CA – Carbon Adsorber		☐
☐	☒	Form CYS – Cyclone Separator		☐
☐	☒	Form ESP – Electrostatic Precipitator		☐
☐	☐	Form BCE– Baghouses Control Equipment		☐
☐	☒	Form SCE– Scrubbers Control Equipment		☐
☐	☒	Form VSCE – Venturi Scrubber Control Equipment		☐
☐	☒	Form CAM – Compliance Assurance Monitoring		☐
☒	☐	Forms EI— Emissions Inventory – Refer to EI Microsoft Excel Spreadsheet		☐
☒	☐	PP – Plot Plan – Refer to Figure 1		☐
☒	☐	Forms MI1 – MI4 – Modeling	(Excel workbook, all 4 worksheets)	☐
☒	☐	Form FRA – Federal Regulation Applicability		☐

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Unit - General **Form EU0**
Revision 4
08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name:	2. Facility Name:	3. Facility ID No:
Nunhems USA, Inc	Nunhems Parma	027-00130

4. Brief Project Description: Minor source permit mod for existing carrot and onion seed processing facility

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

5.	Emissions Unit (EU) Name:	SEED DRYER NORTH OF BUILDING K
6.	EU ID Number:	DRYER02
7.	EU Type:	☒ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2015.0017 Date Issued: June 9, 2016
8.	Manufacturer:	SUKUP
9.	Model:	
10..	Maximum Capacity:	1,440,000 BTU/HR
11.	Date of Construction:	2016
12.	Date of Modification (if any):	
13.	Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, complete the following section. If No, go to line 22.

EMISSIONS CONTROL EQUIPMENT

14. Control Equipment Name and ID:

15. Date of Installation: 16. Date of Modification (if any):

17. Manufacturer and Model Number:

18. ID(s) of Emission Unit Controlled:

19. Is operating schedule different than emission units(s) involved? ☐ Yes ☐ No

20. Does the manufacturer guarantee the control efficiency of the control equipment? ☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency						

21. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

22.	Actual Operation:	
23.	Maximum Operation:	200 HOURS PER MONTH AND 2,400 HOURS PER YEAR

REQUESTED LIMITS

24.	Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, indicate all that apply below)
	☐ Operation Hour Limit(s):	200 HOURS PER MONTH AND 2,400 HOURS PER YEAR
	☐ Production Limit(s):	
	☐ Material Usage Limit(s):	
	☐ Limits Based on Stack Testing:	Please attach all relevant stack testing summary reports
	☐ Other:	
25.	Rationale for Requesting the Limit(s):	OPERATIONAL FLEXIBILITY - INTERMITTENT OR SEASONAL SOURCE

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Unit - General **Form EU0**
Revision 4
08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name:	2. Facility Name:	3. Facility ID No:
Nunhems USA, Inc	Nunhems Parma	027-00130

4. Brief Project Description: Minor source permit mod for existing carrot and onion seed processing facility

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

5.	Emissions Unit (EU) Name:	SEED DRYER NORTHWEST CORNER OF BUILDING Q
6.	EU ID Number:	DRYER03
7.	EU Type:	☒ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2015.0017 Date Issued: June 9, 2016
8.	Manufacturer:	SUKUP
9.	Model:	
10..	Maximum Capacity:	0.72 MMBTU/HR
11.	Date of Construction:	2016
12.	Date of Modification (if any):	
13.	Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, complete the following section. If No, go to line 22.

EMISSIONS CONTROL EQUIPMENT

14. Control Equipment Name and ID:

15. Date of Installation: 16. Date of Modification (if any):

17. Manufacturer and Model Number:

18. ID(s) of Emission Unit Controlled:

19. Is operating schedule different than emission units(s) involved? ☐ Yes ☐ No

20. Does the manufacturer guarantee the control efficiency of the control equipment? ☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency						

21. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

22.	Actual Operation:	
23.	Maximum Operation:	200 HOURS PER MONTH AND 2,400 HOURS PER YEAR

REQUESTED LIMITS

24.	Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, indicate all that apply below)
	☒ Operation Hour Limit(s):	200 HOURS PER MONTH AND 2,400 HOURS PER YEAR
	☐ Production Limit(s):	
	☐ Material Usage Limit(s):	
	☐ Limits Based on Stack Testing:	Please attach all relevant stack testing summary reports
	☐ Other:	
25.	Rationale for Requesting the Limit(s):	OPERATIONAL FLEXIBILITY - INTERMITTENT OR SEASONAL SOURCE

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Unit - General **Form EU0**
Revision 4
08/28/08

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

1. Company Name:	2. Facility Name:	3. Facility ID No:
Nunhems USA, Inc	Nunhems Parma	027-00130

4. Brief Project Description: Minor source permit mod for existing carrot and onion seed processing facility

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

5.	Emissions Unit (EU) Name:	TWO PROCESS HEATERS IN BUILDING Q
6.	EU ID Number:	HEATER01
7.	EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #:P-2015.0017 Date Issued: June 9, 2016
8.	Manufacturer:	RAE CORPORATION
9.	Model:	RCUAC4CD50-H
10..	Maximum Capacity:	1,000,000 BTU/HR EACH
11.	Date of Construction:	2011
12.	Date of Modification (if any):	
13.	Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, complete the following section. If No, go to line 22.

EMISSIONS CONTROL EQUIPMENT

14. Control Equipment Name and ID:

15. Date of Installation: 16. Date of Modification (if any):

17. Manufacturer and Model Number:

18. ID(s) of Emission Unit Controlled:

19. Is operating schedule different than emission units(s) involved? ☐ Yes ☐ No

20. Does the manufacturer guarantee the control efficiency of the control equipment? ☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency						

21. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

22.	Actual Operation:	
23.	Maximum Operation:	100 HOURS PER MONTH AND 600 HOURS PER YEAR

REQUESTED LIMITS

24.	Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, indicate all that apply below)
	☒ Operation Hour Limit(s):	100 HOURS PER MONTH AND 600 HOURS PER YEAR -
	☐ Production Limit(s):	
	☐ Material Usage Limit(s):	
	☐ Limits Based on Stack Testing:	Please attach all relevant stack testing summary reports
	☒ Other:	OPERATING ONLY FROM AUG 1 THROUGH JAN 31
25.	Rationale for Requesting the Limit(s):	OPERATIONAL FLEXIBILITY - INTERMITTENT SOURCE

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

AIR PERMIT APPLICATION

Revision 6
10/7/09

For each box in the table below, CTRL+click on the blue underlined text for instructions and information.

IDENTIFICATION	
1. Company Name: Nunhems USA, Inc.	2. Facility Name: Nunhems Parma
3. Brief Project Description: Minor source permit mod for existing seed processing facility	

APPLICABILITY DETERMINATION	
4. List applicable subparts of the New Source Performance Standards (NSPS) (40 CFR part 60). Examples of NSPS affected emissions units include internal combustion engines, boilers, turbines, etc. The applicant must thoroughly review the list of affected emissions units.	List of applicable subpart(s): IIII – Already implemented. PTC dated June 9, 2016. ☐ Not Applicable
5. List applicable subpart(s) of the National Emission Standards for Hazardous Air Pollutants (NESHAP) found in 40 CFR part 61 and 40 CFR part 63. Examples of affected emission units include solvent cleaning operations, industrial cooling towers, paint stripping and miscellaneous surface coating. EPA has a web page dedicated to NESHAP that should be useful to applicants.	List of applicable subpart(s): ZZZZ- Already implemented. PTC dated June 9, 2016. ☐ Not Applicable
6. For each subpart identified above, conduct a complete a regulatory analysis using the instructions and referencing the example provided on the following pages. **Note** - Regulatory reviews must be submitted with sufficient detail so that DEQ can verify applicability and document in legal terms why the regulation applies. Regulatory reviews that are submitted with insufficient detail will be determined incomplete.	☐ A detailed regulatory review is provided (Follow instructions and example). ☑ DEQ has already been provided a detailed regulatory review. Give a reference to the document including the date.

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

It is emphasized that it is the applicant's responsibility to satisfy all technical and regulatory requirements, and that DEQ will help the applicant understand what those requirements are prior to the application being submitted but that DEQ will not perform the required technical or regulatory analysis on the applicant's behalf.

Appendix D
Emission Estimates

Change in PTE for Regulated Air Pollutants

Nunhems USA

Source	PM10		PM2.5		NOx		SO2		CO		VOC	
	lb/hr	t/yr	lb/hr	t/yr	lb/hr	t/yr	lb/hr	t/yr	lb/hr	t/yr	lb/hr	t/yr
Pre-Project PTE	1.76	5.52	0.95	2.00	35.04	17.36	1.98	1.67	5.26	6.28	1.70	1.27
Post Project PTE	1.74	5.50	0.94	1.98	34.70	17.00	1.94	1.63	5.07	6.07	1.68	1.25
Delta	**-0.02**	**-0.02**	**-0.02**	**-0.02**	**-0.33**	**-0.36**	**-0.04**	**-0.04**	**-0.19**	**-0.21**	**-0.03**	**-0.03**
New Baseline	**1.74**	**5.50**	**0.94**	**1.98**	**34.70**	**17.00**	**1.94**	**1.63**	**5.07**	**6.07**	**1.68**	**1.25**

Note: New Baseline based on replacing two existing seed dryers and proposed monthly and annual limits for Heater 01, Dryer 2, Dryer 3, Dryer 4A and Dryer 4B.

Modified Facility Wide Criteria Pollutant PTE

Nunhems USA

Source	Pound per hour						
	PM10	PM2.5	NOx	SOx	CO	VOC	
Propane Sources	0.06	0.06	1.16	0.18	0.67	0.09	
Process Sources	1.68	0.87	33.54	1.77	4.40	1.59	
Total	**1.74**	**0.94**	**34.70**	**1.94**	**5.07**	**1.68**	

Source	Ton per year						
	PM10	PM2.5	NOx	SOx	CO	VOC	CO2e
Propane Sources	0.27	0.27	5.08	0.78	2.93	0.39	4848
Process Sources	5.23	1.71	11.92	0.85	3.14	0.86	4517
Total	**5.50**	**1.98**	**17.00**	**1.63**	**6.07**	**1.25**	**9365**

Note:
PM10 and PM2.5 emissions are based on controlled PTE

Existing Facility Wide Criteria Pollutant PTE

Nunhems USA

Source	Pound per hour						
	PM10	PM2.5	NOx	SOx	CO	VOC	
Propane Sources	0.06	0.06	1.16	0.18	0.67	0.09	
Process Sources	1.70	0.89	33.88	1.80	4.59	1.61	
Total	**1.76**	**0.95**	**35.04**	**1.98**	**5.26**	**1.70**	

Source	Ton per year						
	PM10	PM2.5	NOx	SOx	CO	VOC	CO2e
Propane Sources	0.27	0.27	5.08	0.78	2.93	0.39	4848
Process Sources	5.25	1.73	12.28	0.89	3.35	0.88	4862
Total	**5.52**	**2.00**	**17.36**	**1.67**	**6.28**	**1.27**	**9710**

Note:
PM10 and PM2.5 emissions are based on controlled PTE
Emission Tables in June 9, 2016 IDEQ SOB (P-2015.0017, Facility ID 027-00130) does not include propane emissions.

Emission Units and Control Devices

Table 1 EMISSIONS UNIT AND CONTROL DEVICE INFORMATION

	Equipment	Capacity	Manufacturer	Model or Serial No.
Backup Generators	CAT C9-2008 3 Phase Diesel Generator (at pumphouse) / CAT GEN	NA	Caterpillar	Engine: 313 kVA, 250 kW, 60 Hertz; Generator: 480 volts.
	Stamford Cummins 3-Phase Diesel Generator / CUMMINS GEN	NA	Stamford Cummins	Engine: 2015 kVA Base Rate; 1612 kW (BR); 60 Hz; 1800 RPM. Generator: 480 Volts; 2423.7 Amps (BR).
	Generac 2000 Series 3-Phase Diesel Generator (South of Building "C") / GENERAC GEN	NA	Generac	Model #: 1526500100; 100 kVA. Serial #: 2062523 Generator: 120 Volts; 60 Hz; 240.6 Amps; 1800 RPM; 80 kW
	CSL Dust Collector No. 1 (DC-1) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 34,900 CFM
	CSL Dust Collector No. 2 (DC-2) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 34,900 CFM
	CSL Dust Collector No. 3 (DC-3) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 35,000 CFM
	CSL Dust Collector No. 4 (DC-4) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 12,800 CFM
	CSL Dust Collector No. 5 (DC-5) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 20,000 CFM
	CSL Dust Collector No. 6 (DC-6) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 32,500 CFM
	CSL Dust Collector No. 7 (DC-7) for Seed Conditioning	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 6,800 CFM
	CSL Dust Collector No. 8 (DC-8) for Seed Packaging and Shipping	NA	Carothers & Sons, LTD.	Efficiency %: 99.995 Grain Loading gr/dscf: 0.0007 GSCFM Exhaust Volumetric Flow Rate: 25,000 CFM
	FARR Cartridge Collector No. 1 (FARR 1) for Seed Treatment (Film Coating)	NA	Camfil FARR Air Pollution Control	Camfil FARR APC warranties that the emissions from the collectors will not exceed 0.002 gr/dscf in overall particulate emissions, efficiency to be 99.99% on 0.5 micron particles and larger by weight. Serial #: 697544

Filtration Units	FARR Cartridge Collector No. 2 (FARR 2) for Seed Treatment (Film Coating)	NA	Camfil FARR Air Pollution Control	Camfil FARR APC warranties that the emissions from the collectors will not exceed 0.002 gr/dscf in overall particulate emissions, efficiency to be 99.99% on 0.5 micron particles and larger by weight. Serial #: 697544
	FARR Cartridge Collector No. 3 (FARR 3) for Seed Enhancement (Pelleting)	NA	Camfil FARR Air Pollution Control	Camfil FARR APC warranties that the emissions from the collectors will not exceed 0.002 gr/dscf in overall particulate emissions, efficiency to be 99.99% on 0.5 micron particles and larger by weight. Serial #: 660171
	FARR Cartridge Collector No. 4 (FARR 4) for Seed Enhancement (Pelleting)	NA	Camfil FARR Air Pollution Control	Camfil FARR APC warranties that the emissions from the collectors will not exceed 0.002 gr/dscf in overall particulate emissions, efficiency to be 99.99% on 0.5 micron particles and larger by weight. Serial #: 660171
	Murphy-Rodgers Baghouse (MR BH 1) for Seed Enhancement (Priming)	NA	Murphy-Rodgers, Inc	Capacity is 3,900 cfm @ 8" wg, 352 sq/ft of filter area with a realized air to filter ratio of approx. 11 to 1 The usual efficiency of dry filter units is 99.9% on particle sizes of 1 micron or larger. The efficiency as stated is after an initial run in period and the filters have had sufficient time to accumulate a dust cake. Model: MRM-12-4D
	Herding Filtration Unit No. 1 (HERD 1) for Seed Enhancement (Powder/Blending)	NA	Herding Filtration, LLC.	4700-7985 CFM - m3/h % Efficiency / Air Quality: <0.1mg/m3 (=0.0004 gr/ft3) or 99.97% @ 0.3micron Model: P-1899 HSL 1500-12/18 SZ
	Herding Filtration Unit No. 2 (HERD 2) for Seed Enhancement (Pelleting)	NA	Herding Filtration, LLC.	23200-39417 CFM - m3/h % Efficiency / Air Quality: <0.1mg/m3 (=0.0004 gr/ft3) or 99.97% @ 0.3micron Model: P-2112 Delta Sys 1500-144/9 (3KA) GZ
	FARR Cartridge Collector No. 5 (FARR 5) for Warehousing (Bulk Unloading)	NA	Camfil FARR Air Pollution Control	Camfil FARR APC warranties that the emissions from the collectors will not exceed 0.002 gr/dscf in overall particulate emissions, efficiency to be 99.99% on 0.5 micron particles and larger by weight. Serial # 634948-A
LPG Combustion	Two propane building heaters ("Q") for temperature and humidity control (to dry scale out of onion umbels) / Heat 1	1,000,000 BTU/hr/unit	NA	NA
	Ten blower fans on south side of building "Q"	NA	NA	NA
	Eight fans off east side of building "G" for temperature and humidity control.	NA	NA	NA
	Twenty-Nine Total fans (Nine off of the east side of each of the "D" buildings) for temperature and humidity control.	NA	NA	NA
	Four Building heaters south of building "L" / Heat 2	250,000 BTU/hr/unit	NA	NA
	Two Enclosed Propane Seed Dryers within building "L" for Seed Warehousing (Drying) / Dryer 1	1,000,000 BTU/hr/unit	NA	NA
	Seed Dryer northwest of building "K" for Seed Warehousing (Drying) / Dryer 2	2,500,000 BTU/hr/unit	NA	NA

Fumigation	Box chamber fumigation as part of Warehousing (fumigation) Process / Fume	length: 60' 9" Width: 9' 6" interior height: 13' 1" Interior volume: ~7580 cu. Ft	NA	NA
MM Btu/Hr = million Brithish thermal units per hour NA = not available				

CRITERIA POLLUTANTS PTE							
Source Descriptions	Emission Controls	PM-Total		PM-10*		PM-2.5*	
		lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Backup Diesl Generators							
(3) Backup Diesel Generators	None	0.485	0.121	0.485	0.121	0.485	0.121
Filtration Units							
Seed Conditioning, Lines 3-4	DC-1 CSL Dust Collector	0.209	0.917	0.103	0.449	0.029	0.127
Seed Conditioning, AIM Blending Line	DC-2 CSL Dust Collector	0.209	0.917	0.103	0.449	0.029	0.127
Seed Conditioning, Line 1-2	DC-3 CSL Dust Collector	0.210	0.920	0.103	0.451	0.029	0.127
Seed Conditioning, Carrot Seed Brush	DC-4 CSL Dust Collector	0.077	0.336	0.038	0.165	0.011	0.046
Seed Conditioning, Scalping Lines 3-4	DC-5 CSL Dust Collector	0.120	0.526	0.059	0.258	0.017	0.073
Seed Conditioning, Scalping Lines 1-2	DC-6 CSL Dust Collector	0.195	0.854	0.096	0.419	0.027	0.118
Seed Conditioning, Scalping and Brus	DC-7 CSL Dust Collector	0.041	0.179	0.020	0.088	0.006	0.025
Seed Packaging and Shipping	DC-8 CSL Dust Collector	0.150	0.657	0.074	0.322	0.021	0.091
Seed Treatment (Film Coating)	(FARR 1) FARR Cartridge Collector No. 1	0.100	0.438	0.049	0.215	0.014	0.060
Seed Treatment (Film Coating)	(FARR 2) FARR Cartridge Collector No. 2	0.094	0.411	0.046	0.202	0.013	0.057
Seed Enhancement (Pelleting)	(FARR 3) FARR Cartridge Collector No. 3	0.112	0.491	0.055	0.241	0.015	0.068
Seed Enhancement (Pelleting)	(FARR 4) FARR Cartridge Collector No. 4	0.134	0.588	0.066	0.288	0.019	0.081
Warehousing (Bulk Unloading)	(FARR 5) FARR Cartridge Collector No. 5	0.182	0.798	0.089	0.391	0.025	0.110
Warehousing (Bulk Unloading)	(FARR 6) FARR Cartridge Collector No. 6	0.182	0.798	0.089	0.391	0.025	0.110
Seed Enhancement (Priming)	(MR BH 1) Murphy-Rodgers Baghouse	0.011	0.050	0.006	0.024	0.002	0.007
Seed Enhancement (Powder/Blending)	(HERD 1) Herding Filtration Unit No. 1	0.020	0.089	0.010	0.043	0.003	0.012
Seed Enhancement (Pelleting)	(HERD 2) Herding Filtration Unit No. 2	0.236	1.032	0.1155	0.506	0.0325	0.142
LPG Combustion							
Two propane building heaters ("Q") for temperature and humidity control (Heater 1)	None	0.015	0.005	0.015	0.005	0.015	0.005
Four building heaters south of building "L" (Heater 2)	None	0.008	0.034	0.008	0.034	0.008	0.034
Enclosed Propane Seed Dryer within building "L" (Dryer 1A)	None	0.008	0.034	0.008	0.034	0.008	0.034
Enclosed Propane Seed Dryer within building "L" (Dryer 1B)		0.008	0.034	0.008	0.034	0.008	0.034
Seed Dryer northwest of building "K" (Dryer 2)	None	0.011	0.013	0.011	0.013	0.011	0.013
Seed Dryer northwest of building "L" (Dryer 3)	None	0.006	0.007	0.006	0.007	0.006	0.007
Seed Dryer inside Building L (2 500,000 BTU units, Vent through FARR03)	None	0.008	0.034	0.008	0.034	0.008	0.034
Seed Dryer inside Building L (3 500,000 BTU units, Vent through FARR04)	None	0.011	0.050	0.011	0.050	0.011	0.050
	FACILITY-WIDE TOTAL EMISSIONS	**2.84**	**10.33**	**1.68**	**5.23**	**0.87**	**1.71**

*PM-10 = particulate matter less than or equal to 10 um aerodynamic diameter. All particulate is assumed to be < or = 1 um in size.

CRITERIA POLLUTANTS PTE											
NO_x		CO		CO_2e		SO_x		VOC		Lead	
lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
32.17	8.04	3.61	0.90	3,159.3	789.8	1.61	0.40	1.44	0.36	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.45E-03	1.07E-02	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.29E-04	1.00E-03	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.26E-02	1.87E-01	n/a	n/a
0.28	0.0852	0.16	0.05	273.2	82.0	0.033	0.010	0.022	0.007		
0.14	0.6223	0.08	0.36	136.6	598.4	0.016	0.072	0.011	0.048		
0.14	0.6223	0.08	0.36	136.6	598.4	0.016	0.072	0.011	0.048		
0.14	0.6223	0.08	0.36	136.6	598.4	0.016	0.072	0.011	0.048		
0.20	0.2455	0.12	0.14	196.7	236.1	0.024	0.028	0.016	0.019		
0.10	0.1228	0.06	0.07	98.4	118.0	0.012	0.014	0.008	0.009		
0.14	0.6223	0.08	0.36	136.6	598.4	0.016	0.072	0.011	0.048		
0.21	0.9334	0.12	0.54	204.9	897.5	0.025	0.108	0.016	0.072		
33.54	**11.92**	**4.40**	**3.14**	**4,478.92**	**4,516.86**	**1.77**	**0.85**	**1.59**	**0.86**	-	-

CRITERIA EMISSIONS - LIQUEFIED PETROLEUM GAS COMBUSTION - Nunhems USA, Inc.

Emission Factors

NOx	13.0 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
CO	7.5 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
CO_2e	12,500 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
PM-Total	0.7 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
SOx[b]	1.5 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
VOC[c]	1.0 lb/10^3 gal	AP-42, Table 1.5-1, EMISSION FACTORS FOR LPG COMBUSTION[a], 1998	
Lead			

Conversion Factor
91.5 x 10^6 Btu/10^3 gal
1.09E-05

a Assumes PM, CO, and TOC emissions are the same, on a heat input basis, as for natural gas combustion. Use heat contents of 91.5 x 10^6 Btu/10^3 gallon for propane, 102 x 106 Btu/103 gallon for butane, 1020 x 106 Btu/106 scf for methane when calculating an equivalent heat input basis. For example, the equation for converting from methane's emissions factors to propane's emissions factors is as follows: lb pollutant/103 gallons of propane = (lb pollutant /106 ft3 methane) * (91.5 x 106 Btu/103 gallons of propane) / (1020 x 106 Btu/106 scf of methane). The NOx emission factors have been multiplied by a correction factor of 1.5, which is the approximate ratio of propane/butane NOx emissions to natural gas NOx emissions. To convert from lb/103 gal to kg/103 L, multiply by 0.12. SCC = Source Classification Code.

[b] The sulfur emission factor for propane is 0.10S, where S = #REF!

[c] VOC assumed to be equal to TOC.

			PM-Total*		PM-10 Emissions*		PM-2.5 Emissions*		NOx Emissions		CO Emissions		CO_2e Emissions		SOx Emissions		VOC** Emissions	
Description	Capacity (BTU/hr)/unit	Throughput (hours of operation/unit)	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Two propane building heaters ("Q") for temperature and humidity control (Heat 01)	1,000,000	600	0.0153	0.0046	0.0153	0.0046	0.0153	0.0046	0.2842	0.0852	0.1639	0.0492	273.2	82.0	0.0328	0.0098	0.0219	0.0066
Ten blower fans on south side of building "Q"	Ambient Air																	
Eight fans off east side of building "G" for temperature and humidity control.	Ambient Air																	
Twenty-Nine Total fans (Nine off of the east side of each of the "D" buildings) for temperature and humidity control.	Ambient Air																	
Four Building heaters south of building "L" (Heat 02)	250,000	8,760	0.0077	0.0335	0.0077	0.0335	0.0077	0.0335	0.1421	0.6223	0.0820	0.3590	136.6	598.4	0.0164	0.0718	0.0109	0.0479
Seed Dryers within building "L." (Dryer 01A)	1,000,000	8,760	0.0077	0.0335	0.0077	0.0335	0.0077	0.0335	0.1421	0.6223	0.0820	0.3590	136.6	598.4	0.0164	0.0718	0.0109	0.0479
Seed Dryers within building "L." (Dryer 01B)	1,000,000	8,760	0.0077	0.0335	0.0077	0.0335	0.0077	0.0335	0.1421	0.6223	0.0820	0.3590	136.6	598.4	0.0164	0.0718	0.0109	0.0479
Seed Dryer northwest of building "L" (Dryer 3)	720,000	2,400	0.0055	0.0066	0.0055	0.0066	0.0055	0.0066	0.1023	0.1228	0.0590	0.0708	98.4	118.0	0.0118	0.0142	0.0079	0.0094
Dryer 4A (Vent through FARR03)	1,000,000	8,760	0.0077	0.0335	0.0077	0.0335	0.0077	0.0335	0.1421	0.6223	0.0820	0.3590	136.6	598.4	0.0164	0.0718	0.0109	0.0479
Dryer 4B (Vent through FARR04)	1,500,000	8,760	0.0115	0.0503	0.0115	0.0503	0.0115	0.0503	0.2131	0.9334	0.1230	0.5385	204.9	897.5	0.0246	0.1077	0.0164	0.0718
Seed Dryer northwest of building "K." (Dryer 2)	1,440,000	2,400	0.0110	0.0132	0.0110	0.0132	0.0110	0.0132	0.2046	0.2455	0.1180	0.1416	196.7	236.1	0.0236	0.0283	0.0157	0.0189
		TOTAL=	**0.0739**	**0.2087**	**0.0739**	**0.2087**	**0.0739**	**0.2087**	**1.3725**	**3.8761**	**0.7918**	**2.2362**	**1319.7**	**3727.0**	**0.1584**	**0.4472**	**0.1056**	**0.2982**

*PM Total Emission factor given in AP 42; assume that PM_{10} and $PM_{2.5}$ are the same as PM Total

**VOC assumed to be equal to TOC.

TOXIC AIR POLLUTANT EMISSION INVENTORY - NUNHEMS USA, INC. TAPs & HAPs Summary				
NON-CARCINOGENS				
Pollutant	Hourly Emissions	Screening Level	Modeling?	Emissions
	(lb/hr)	(lb/hr)	(Y/N)	(tons/yr)
Acrolein*	6.19E-06	1.7E-02	N	3.72E-05
Ammonia	1.01E-03	1.2E+00	N	1.10E-03
Aluminum Oxide; Al2O3	3.96E-06	6.67E-01	N	1.7E-05
Calcium Carbonate	3.29E-03	6.67E-01	N	1.4E-02
Chlorpyrifos	2.44E-06	1.30E-02	N	1.1E-05
Ethylene Glycol*	2.24E-04	8.46E-01	N	9.8E-04
Hydrogen Chloride (HCL)	1.32E-05	5.00E-02	N	5.8E-05
Kaolin	3.93E-06	1.33E-01	N	1.7E-05
Magnesium Oxide	3.30E-06	6.67E-01	N	1.4E-05
Methanol*	4.26E-02	1.73E+01	N	1.9E-01
Mica	3.51E-04	2.00E-01	N	1.5E-03
Naphthalene*[a]	3.46E-05	3.33E+00	N	2.08E-04
Perlite	7.15E-04	6.67E-01	N	3.1E-03
Phosphine*	4.10E-03	2.70E-02	N	1.79E-02
Silica - amorphous- Diatomaceous Earth	1.59E-03	6.67E-01	N	7.0E-03
Silica, crystalline - Cristobalite	3.17E-04	3.30E-03	N	1.4E-03
Silica, crystalline - Quartz	5.51E-04	6.70E-03	N	2.4E-03
Sodium Hydroxide	1.10E-02	1.33E-01	N	4.8E-02
Thiram	1.41E-01	3.33E-01	N	6.2E-01
Toluene*	8.53E-05	2.5E+01	N	5.12E-04
Xylene*	2.50E-03	2.90E+01	N	1.1E-02
TOTAL	**2.09E-01**			**9.14E-01**

a Although listed as a noncarcinogen in the Rules, DEQ has determined that naphthalene is a possible/probable carcinogen. Compliance for naphthalene emissions should be based on the EL or AACC listed in Section 586 for PAH.

* Also listed Hazardous Air Pollutants. See HAPs Inventory list below

CARCINOGENS				
Pollutant	Hourly Emissions	Screening Level	Modeling?	Emissions
	(lb/hr)	(lb/hr)	(Y/N)	(tons/yr)
Benzene*	3.10E-04	8.0E-04	N	1.36E-03
Formaldehyde*	3.30E-04	5.1E-04	N	4.44E-04
Naphthalene*[a]	3.46E-05	9.1E-05	N	2.08E-04
Thiourea	1.25E-06	1.5E-06	N	1.31E-09
Benzo(a)pyrene	9.50E-08	2.0E-06	N	4.16E-07
Benz(a)anthracene	3.09E-07	NA	N	1.35E-06
Benzo(b)fluoranthene	3.64E-07	NA	N	1.60E-06
Benzo(k)fluoranthene	8.03E-08	NA	N	3.52E-07
Chrysene	5.16E-07	NA	N	2.26E-06
Dibenzo(a,h)anthracene	1.49E-07	NA	N	6.53E-07
Indeno(1,2,3-cd)pyrene	1.58E-07	NA	N	6.90E-07
Total PAHs	7.91E-05	9.1E-05	N	3.46E-04
Total	**7.56E-04**			**2.36E-03**

* Also listed Hazardous Air Pollutants. See HAPs Inventory list below.

HAPs Inventory	
Pollutant	Emissions
	(tons/yr)
Acrolein	3.72E-05
Benzene	1.36E-03
Ethylene Glycol	9.83E-04
Formaldehyde	4.44E-04
Hexane	NA
Hydrochloric Acid	5.78E-05
Methanol	1.9E-01
Naphthalene	2.08E-04
Phosphine*	1.79E-02
Phosphorus	NA
Toluene	5.12E-04
Xylene	1.11E-02
Total	**2.19E-01**

*Maximum Individual HAP

TOXIC AND HAZARDOUS AIR POLLUTANT EMISSION INVENTORY - NUNHEMS USA, INC. SEED COATINGS

NON-CARCINOGENIC TAPs				
Pollutant	Hourly Emissions	Screening Level	Modeling?	Emissions
	(lb/hr)	(lb/hr)	(Y/N)	(tons/yr)
Aluminum Oxide; Al2O3	3.96E-06	6.67E-01	N	1.7E-05
Calcium Carbonate	3.29E-03	6.67E-01	N	1.4E-02
Chlorpyrifos	2.44E-06	1.30E-02	N	1.1E-05
Ethylene Glycol*	2.24E-04	6.67E-01	N	9.8E-04
Hydrogen Chloride (HCL)*	1.32E-05	5.00E-02	N	5.8E-05
Kaolin	3.93E-06	1.33E-01	N	1.7E-05
Magnesium Oxide	3.30E-06	6.67E-01	N	1.4E-05
Methanol*	4.26E-02	1.73E+01	N	1.9E-01
Mica	3.51E-04	2.00E-01	N	1.5E-03
Perlite	7.15E-04	6.67E-01	N	3.1E-03
Phosphine*	4.10E-03	2.70E-02	N	1.8E-02
Silica - amorphous- Diatomaceous Earth	1.59E-03	6.67E-01	N	7.0E-03
Silica, crystalline - Cristobalite	3.17E-04	3.30E-03	N	1.4E-03
Silica, crystalline - Quartz	5.51E-04	6.70E-03	N	2.4E-03
Sodium Hydroxide	1.10E-02	1.33E-01	N	4.8E-02
Thiram	1.41E-01	3.33E-01	N	6.2E-01
Xylene*	2.45E-03	2.90E+01	N	1.1E-02

* Also listed Hazardous Air Pollutants. See HAPs Inventory list below

CARCINOGENIC TAPs				
Pollutant	Max. Hourly Emissions	Screening Level	Modeling?	Emissions
	(lb/hr)	(lb/hr)	(Y/N)	(tons/yr)
Thiourea	1.25E-06	1.5E-06	N	1.31E-09
Formaldehyde*	2.29E-04	5.1E-04	N	6.97E-09
* Also listed Hazardous Air Pollutants. See HAPs Inventory list below				

HAPs Inventory	
Pollutant	Emissions
	(tons/yr)
Ethylene Glycol	9.83E-04
Formaldehyde	7.0E-09
Hydrochloric Acid	5.78E-05
Methanol	1.9E-01
Phosphine	1.8E-02
Xylene	1.07E-02
Total	**1.88E-01**

TAP Emission Calculations of Process Byproduct - Nunhems USA, Inc. Seed Coatings		
Process	**Application**	**Name of Material/ TAPs**
Warehousing (Fumigation)	Pesticide	Weevil-cide, Fumitoxin / Phosphine (60%)
Warehousing (Fumigation)	Pesticide	Weevil-cide, Fumitoxin / Ammonia (20%)
Seed Enhancement (Treatment)	Fungicide	42S Thiram / Thiram (42%)
Seed Enhancement (Pelleting)	Fungicide	42S Thiram / Thiram (42%)
Seed Enhancement (Treatment)	Fungicide	Maxim 4FS / Ethylene Glycol (<15%)
Seed Enhancement (Pelleting)	Fungicide	Maxim 4FS / Ethylene Glycol (<15%)
Seed Enhancement (Pelleting)	Fungicide	ProGro / Thiram (50%)
Seed Enhancement (Treatment)	Insecticide	Lorsban 30F / Chlorpyrifos (30%)
Seed Enhancement (Treatment)	Insecticide	Lorsban 30F / Xylene (3%)
Seed Enhancement (Pelleting)	Insecticide	TriGard OMC / Kaolin Clay (<15%),
Seed Enhancement (Pelleting)	Insecticide	TriGard OMC / Amorphous Silica: diatomaceous earth (<15%)
Seed Enhancement (Pelleting)	Powder	C31 / Calcium carbonate (50-100%)
Seed Enhancement (Pelleting)	Powder	C31 / Diatomaceous earth/silica-amorphous (25-50%)
Seed Enhancement (Pelleting)	Powder	C31 / Mica (1-10%)
Seed Enhancement (Pelleting)	Powder	C31 / Silica, crystalline - Quartz (1-10%)
Seed Enhancement (Pelleting)	Powder	C31 / Silica, crystalline - Cristobalite (1-10%)
Seed Enhancement (Pelleting)	Powder	F18 / Mica (50-100%)
Seed Enhancement (Pelleting)	Powder	Mikrosohl 40 / Calcium Carbonate (88%)
Seed Enhancement (Pelleting)	Powder	Mikrosohl 40 / Hydrochloric acid-insoluble components (10%)
Seed Enhancement (Pelleting)	Powder	Wimer 100,130,140 / Silica, crystalline - Quartz (53%)
Seed Enhancement (Pelleting)	Powder	Navajo Brand Grade FFF Pumice / Aluminum Oxide: Al2O3 (12%)
Seed Enhancement (Pelleting)	Powder	Navajo Brand Grade FFF Pumice / Calcium Oxide: CaO (<1%)
Seed Enhancement (Pelleting)	Powder	Navajo Brand Grade FFF Pumice / Magnesium Oxide: MgO (<1%)
Seed Enhancement (Pelleting)	Powder	Dicalite 476, 478 Perlite Filter Aids / Perlite (assume 100%)
Seed Enhancement (Pelleting)	Polymer/Binder	SOL 17 / Methanol (<1%)
Seed Enhancement (Treatment)	Polymer/Binder	Sepiret 9256 EKWX / Formaldehyde (~39ppm or 0.0039%)
Seed Enhancement (Priming)	Disinfection	Liquichlor/Sodium Hypochlorite / Sodium hydroxide (0.1-2%)
Seed Enhancement (Priming)	Priming Component	Thiourea / Thiourea (>99%)

*Estimated seed coating transfer efficiency provided by Nunhems USA, Inc
~Collection efficiency only for powder coatings; potential vapors from liquid coatings are not controlled by the baghouse

TAP Emission Calculations of Process Byproduct - Nunhems USA, Inc. Seed Coatings						
Max Material Process Rate (lb/hr)	Transfer Efficiency (%)[a]	Wt. Fraction TAP	Filtration Unit Collection Efficiency (%)[b]	TAP Emissions (lb/hr)	TAP Emissions (ton/yr)	
				4.10E-03	4.47E-03	91 fumes/yr
				1.01E-03	1.10E-03	91 fumes/yr
4.000000	95%	0.42	0.00%	8.40E-02	3.68E-01	
0.350000	95%	0.42	0.00%	7.35E-03	3.22E-02	
0.025000	95%	0.15	0.00%	1.88E-04	8.21E-04	
0.004930	95%	0.15	0.00%	3.70E-05	1.62E-04	2.24E-04
1.980000	95%	0.50	0.00%	4.95E-02	2.17E-01	1.41E-01
1.630000	95%	0.30	99.99%	2.44E-06	1.07E-05	
1.630000	95%	0.03	0.00%	2.45E-03	1.07E-02	
5.240000	95%	0.15	99.99%	3.93E-06	1.72E-05	
5.240000	95%	0.15	99.99%	3.93E-06	1.72E-05	
635.000000	95%	1.00	99.99%	3.17E-03	1.39E-02	
635.000000	95%	0.50	99.99%	1.59E-03	6.95E-03	1.59E-03
635.000000	95%	0.10	99.99%	3.17E-04	1.39E-03	
635.000000	95%	0.10	99.99%	3.17E-04	1.39E-03	
635.000000	95%	0.10	99.99%	3.17E-04	1.39E-03	
6.610000	95%	1.00	99.99%	3.30E-05	1.45E-04	3.51E-04
26.400000	95%	0.88	99.99%	1.16E-04	5.09E-04	3.29E-03
26.400000	95%	0.10	99.99%	1.32E-05	5.78E-05	
88.000000	95%	0.53	99.99%	2.33E-04	1.02E-03	5.51E-04
6.600000	95%	0.12	99.99%	3.96E-06	1.73E-05	
6.600000	95%	0.01	99.99%	3.30E-07	1.45E-06	
6.600000	95%	0.01	99.90%	3.30E-06	1.45E-05	
14.300000	95%	1.00	99.90%	7.15E-04	3.13E-03	
85.200000	95%	0.01	0.00%	4.26E-02	1.87E-01	
117.500000	95%	0.000039	0.00%	2.29E-04	1.00E-03	
10.978682	95%	0.02	0.00%	1.10E-02	4.81E-02	
0.000025	95%	0.99	0.00%	1.25E-06	5.46E-06	

Processed Material Parameters - Nunhems USA, Inc. Seed Coatings

Application	*Product Name;* Constituent(s) of Concern in % by weight	Manufacturer	MSDS Sheet Date	TAPs?	HAPs?	Max Application Rate (lb/hr or as indicated)	Source/Calculations
Pesticide	*Weevil-cide or Fumitoxin*; 55% Aluminum Phosphide (**PH3, phosphine** gas)	Pestcon Systems, Inc.	2004	Yes (585)	Yes	0.0041	**Nunhems USA, Inc. Seed Enhancement Manager** 1 pill = 0.634 grams; 200 pills/fume; MAX 91 fumes/year (3 days fume + 1 day of ventilation = 4 days; Emissions assumed to primarily occur on the 4th day of fumigation when doors are opened. 200 pills used per fumigation event; MSDS lists almuminum phosphide as 60% by weight. The following reaction takes place: AlP + 3H2O -> Al(OH)3 + PH3 where 1 pill yields 0.223 g PH3. At 200 pills per fume for 24 hours and 91 days per year. (0.223 g PH3) x (200 pills per fume) x (1 fume/24 hours) x (1 lb/ 453.59 g)
	Weevil-cide or Fumitoxin; 55% Aluminum Phosphide (**NH3, ammonia** gas)	Pestcon Systems, Inc.	2004	Yes (585)	No	0.0010	**Nunhems USA, Inc. Seed Enhancement Manager** 1 pill = 0.634 grams; 200 pills/fume; MAX 91 fumes/year (3 days fume + 1 day of ventilation = 4 days; Emissions assumed to primarily occur on the 4th day of fumigation when doors are opened. 200 pills used per fumigation event; MSDS lists ammonium carbamate as 20% by weight. The following reaction takes place: NH2COONH4 -> 2NH3 + CO2 where 1 pill yields 0.055 g NH3. At 200 pills per fume for 24 hours and 91 days per year. (0.055 g NH3) x (200 pills per fume) x (1 fume/24 hours) x (1 lb/ 453.59 g)
Fungicide	*42S Thiram;* **Thiram (42%)**	Bayer CropScience	2007	Yes (585)	No	4 lbs. [T] 0.35 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** TRT: 5.95 g / Kg x 305 Kg / hr = 1815 g / hr = 4 lbs / hr PLT: 4.46 g / kg x 18 kg x 6 batches = 482 g / 3 hrs = 160g / hr
	Rovral 4F; Iprdione (41.6%)	Bayer CropScience	2007	No	No		
	Apron XL LS; Mefenoxam (33.3%)	Syngenta Crop Protection, Inc.	2010	No	No		
	Maxim 4FS; Fludioxonil (40.3%), **Ethylene Glycol (<15%)**	Syngenta Crop Protection, Inc.	2010	Yes (585); check for "vapor" form	Yes	0.025 lbs. [T] 0.00493 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** TRT: 0.0621 g / Kg x 180 kg / hr = 11.2 g / hr PLT: 0.0621 g / kg x 18 kg / batch x 6 batches = 6.71 g/ 3 hr = 2.24 g / hr
	Allegiance FL; Metalaxyl (28.35%), Attapulgite Clay (0.40%)	Bayer CropScience	2006	No	No		
	Dynasty; Azoxystrobin (9.6%), Propylene glycol (?%)	Syngenta Crop Protection, Inc.	2010	No	No		
	ProGro; Carboxin (30%), **Thiram (50%)**	Chemtura	2009	Yes (585)	No	1.98 lbs / hr [T]	**Nunhems USA, Inc. Seed Enhancement Manager** 25 g / kg x 18 kg / batch x 6 batches = 2700 g / 3 hr = 900 g / hr, 454 g / lb.
Insecticide	*Lorsban 30F;* **Chlorpyrifos (30%)**, 1,2,4-Trimethylbenzene (4.10 %), **Xylene (3%)**, Ethylbenzene (0.60%)	Bayer CropScience	2006	Yes (Chlorpyrifos, Xylene-585)	Yes (Xylene)	1.63 lbs. [T]	**Nunhems USA, Inc. Seed Enhancement Manager** TRT: 1.94 g / kg x 380 kg / hr = 737 g / hr
	Cruiser 5FS; Thiamethoxam (47.6%)	Syngenta Crop Protection, Inc.	2011	No	No		
	Sepresto 75 Ws; Clothianidin (56.25%), Imidacloprid (18.75%)	Bayer CropScience	2007	No	No		

Powder	*C31;* **Calcium carbonate** (50-100%), **Diatomaceous earth**/silica-amorphous (25-50%), **Mica** (1-10%), **Quartz**/SiO2 (1-10%), **Cristobalite** (1-10%).	Incotec	2010	Yes (Diat. Earth, calcium carbonate, mica (dust), quartz, Cristobalite-585)	No	635 lbs / hr [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 6 batches x 18 kg x 8:1 build-up = 864 Kgs / 3 hr / batch = 288 Kg / hr
	F18; **Mica** (50-100%)	Incotec	2011	Yes (585)	No	6.61 lbs [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 6 batches x 1.5 kg / batch = 6 Kgs / 3 hr / batch = 3 Kg / hr
	Mikrosohl 40; **Calcium Carbonate** (88%), Magnesium Carbonate (1%), Fe2O3: Iron (III) Oxide (5%), **Hydrochloric acid**-insoluble components (10%)	Dammann	2006	Yes (Calcium carbonate-585)	Yes (Hydrochloric acid)	26.4 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 12 kg / hr
	Wimer 100,130,140; Aluminum silicate (?%), **Silica, crystalline/quartz** (53%)	Ankerpoort NV	2004	Yes (Silica, quartz-585)	No	88 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 100 Kg (blend) / 2 hrs x 80% = 40 Kg / hr = 88.1 lbs / hr
	Ligamed MF-2-K Magnesium Sterate; Sulphate (0-5%), Stearic acid (60-70%), Magnesium (2-8%)	Peter Greven Oleochemicals	2009	No	No		
	Navajo Brand Grade FFF Pumice; Silicon dioxide: SiO2 (75%), **Aluminum Oxide: Al2O3** (12%), Potassium Oxide: K2O (4%), Sodium Oxide: Na2O (4%), Fe2O3: Iron (III) Oxide (<2%), **Calcium Oxide: CaO**, **Magnesium Oxide: MgO** and Titanium Dioxide: TiO2 (<1%)	CR Minerals Company, LLC	2009	Yes (Al2O3, CaO, MgO (fume)-585)	No	6.6 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 100 Kg (blend) / 2 hrs x 6% = 3 Kg / hr = 6.6 lbs / hr
	Dicalite 476, 478 Perlite Filter Aids; **Perlite**: Amorphous Silicate (?%)	Dicalite Europe	2009	Yes (perlite-585)	No	14.3 lbs. [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 100 Kg (blend) / 2 hrs x 13% = 6.5 Kg / hr = 14.3 lbs / hr
Polymer/Binder	*SOL 17: Solution 17;* **Methanol** (<1%)	Incotec	2011	Yes(585)	Yes	85.2 lbs/hr [P]	**Nunhems USA, Inc. Seed Enhancement Manager** 250 gallons used / 3 days SOL017 has a density of 1.02 g/cm3 or 8.512 lb/gal x 10 gal/hr = 85.2 lb/hr
	SP1090; Vinyl Acetate Polymer (39-41%), Hydrolyzed Polyvinyl Alcohol (>1%), Biocide: Kathlon LX (1.5%)	Industrial Adhesives of Indiana	?	No	No	1.0 gallons (PLT)	
	Sepiret 9256 EKWX; Filler pigments: Proprietary (5-20%), Filler pigments: Proprietary (5-20%), **Formaldehyde** (~39ppm or 0.0039%)	Becker Underwood, Inc.	2009	Yes (586)	Yes	117.5 lbs. [T]	
	Sepiret PF 10 Orange Powder; Filler pigments: Proprietary (10% max)	Becker Underwood, Inc.	2003	No	No		
	Certop CT28008; unknown	Bayer CropScience	2008	No	No	117.7 lbs. (TRT)	
	Basiscoat Suspension; Aqeuous suspension with Mica, ChinaClay, Titane-Dioxide, Arylamid-Pigment and Polymer	SUET	2008	No	No	46.9 lbs. (TRT)	
Disinfection-Priming Components	*Liquichlor/Sodium Hypochlorite;* Sodium hypochlorite (9-16%), **Sodium hydroxide** (0.1-2%)	Univar USA, Inc.	2007	Yes (585)	No	10.978682 lbs./hr of 12.5% [D]	**Nunhems USA, Inc. Seed Enhancement Manager** Specific gravity of Liquichlor = 1.196 (1.196)x(8.345 lbs/gal of H2O)x(1.1 gal/hr)= 10.978682 lb/hr
	Trisodium Phosphate Anhydrous; Trisodium Phosphate Anhydrous (100%)	Univar USA, Inc.	2003	No	No		
	Polyglykol 6000S; Polyethylene glycol (<=100%)	Clariant Corporation	2009	No	No	2035 lbs. / week (PR)	

Priming Component (Lettuce)	*Ethrel Brand Ethephon Plant Regulator;* Ethaphon (21.7%)	Bayer CropScience	2005	No	No		
	Thiourea; **Thiourea** (>99%)	Fisher Scientific	2009	Yes (586)	No	2.51666E-05	**Nunhems USA, Inc. Seed Enhancement Manager** SG=1.405 (1.405)x(8.345 lbs/gal water)x(amount of gallons used) Nunhems uses 5-10 grams of Thiourea per year. (10 grams/year)x(0.00220462262 lbs/gram) = (0.22046 lb/year) or 2.516666E-5 lbs/hr
	Potassium Hydroxide; **Potassium Hydroxide** (100%)	EMD Chemicals, Inc. (customer service - 800-645-5476)	2007	Yes (585)	No	NA	**Nunhems USA, Inc. Seed Enhancement Manager** Potassium Hydroxide is Neutralized with HCL to pH of 7 prior to seed contact/introduction, therefore there are no emissions of the chemical to the atmosphere.
	Kinetine; Kinetine (90-100%)	MP Biomedicals, LLC	2006	No	No		

T: Maximum amount applied during treatment process

P: Maximum amount applied during pelleting process

D: Maximum amount applied during disinfection process

PRODUCT PARTICULATE EMISSIONS - Nunhems USA, Inc.

								PTE: Uncontrolled Emissions	
Description	Max Amount of Material Received or Otherwise Processed (Kgs/Yr)	Maximum Material Process Rate (lb/hr)	Emission Factor	Grain Loading (Upstream), gr/dscf/min	Grain Loading (Downstream), gr/dscf/min	Volumetric Flow Rate CFM	Filtration Unit Control Efficiency (%)	PM-Total* (lb/hr)	PM-Total* (T/yr)
DC-1 CSL Dust Collector; Seed Conditioning, Lines 3-4[a]	2,000,000.00	503.34		0.0700	0.0007	34,900.00	99.99	20.9400	91.7172
DC-2 CSL Dust Collector; Seed Conditioning, AIM Blending Line and Lines 5-6[a]	2,000,000.00	503.34		0.0700	0.0007	34,900.00	99.99	20.9400	91.7172
DC-3 CSL Dust Collector; Seed Conditioning, Line 1-2[a]	2,000,000.00	503.34		0.0700	0.0007	35,000.00	99.99	21.0000	91.9800
DC-4 CSL Dust Collector; Seed Conditioning, Carrot Seed Brushing Lines 1-3[a]	2,000,000.00	503.34		0.0700	0.0007	12,800.00	99.99	7.6800	33.6384
DC-5 CSL Dust Collector; Seed Conditioning, Scalping Lines 3-4[a]	2,000,000.00	503.34		0.0700	0.0007	20,000.00	99.99	12.0000	52.5600
DC-6 CSL Dust Collector; Seed Conditioning, Scalping Lines 1-2[a]	2,000,000.00	503.34		0.0700	0.0007	32,500.00	99.99	19.5000	85.4100
DC-7 CSL Dust Collector; Seed Conditioning, Scalping and Brush Lines Makeup[a]	2,000,000.00	503.34		0.0700	0.0007	6,800.00	99.99	4.0800	17.8704
DC-8 CSL Dust Collector; Seed Packaging and Shipping[b]	450,000.00	113.25		0.0700	0.0007	25,000.00	99.99	15.0000	65.7000
(FARR 1) FARR Cartridge Collector No. 1; Seed Treatment (Film Coating)[b]	450,000.00	113.25		0.2000	0.0020	5,831.00	99.99	9.9960	43.7825
(FARR 2) FARR Cartridge Collector No. 2; Seed Treatment (Film Coating)[b]	450,000.00	113.25		0.2000	0.0020	5,478.00	99.99	9.3909	41.1320
(FARR 3) FARR Cartridge Collector No. 3; Seed Enhancement (Pelleting)[b]	450,000.00	113.25		0.2000	0.0020	6,538.00	99.99	11.2080	49.0910
(FARR 4) FARR Cartridge Collector No. 4; Seed Enhancement (Pelleting)[b]	450,000.00	113.25		0.2000	0.0020	7,828.00	99.99	13.4194	58.7771
(FARR 5) FARR Cartridge Collector No. 5; Warehousing (Bulk Unloading)[a]	2,000,000.00	503.34		0.2000	0.0020	10,627.00	99.99	18.2177	79.7936
(FARR 6) FARR Cartridge Collector No. 6; Warehousing (Bulk Unloading)[a]	2,000,000.00	503.34		0.2000	0.0020	10,627.00	99.99	18.2177	79.7936
(MR BH 1) Murphy-Rodgers Baghouse; Seed Enhancement (Priming)[b]	450,000.00	113.25				3,900.00	99.99	-	-
(HERD 1) Herding Filtration Unit No. 1; Seed Enhancement (Powder/Blending)[b]	450,000.00	113.25		0.0133	0.0004	5,910.00	99.97	0.6754	2.9584
(HERD 2) Herding Filtration Unit No. 2; Seed Enhancement (Pelleting)[b]	450,000.00	113.25		0.0133	0.0004	68,722.00	99.97	7.8539	34.4003
						TOTAL PTE (Uncontrolled)=		210.1191	920.3216

*PM-10 emissions assume 49% of PM is PM-10; PM-2.5 emissions assume 13.8% of PM is PM-2.5 (AP-42, Appendix B.1-9.9.1)

[a] Accounts for total amount of material received, averaged over a 3 year period and increased by greater than 20%, to account for potential growth.

[b] Accounts for total amount of product that is conditioned, averaged over three years and increased by greater than 20%, to account for potential growth. Assumes that the amount of product "conditioned" is the same as the amount of product "enhanced, treated, and/or shipped."

PRODUCT PARTICULATE EMISSIONS - Nunhems USA, Inc.

	PTE: Controlled Emissions					
Control Factor Reference	PM-Total (lb/hr)	PM-Total (T/yr)	PM-10* (lb/hr)	PM-10* (T/yr)	PM-2.5* (lb/hr)	PM-2.5* (T/yr)
Manf. Guarantee - CSL, 01/19/2012 email	0.2094	0.9172	0.1026	0.45	0.0289	0.127
Manf. Guarantee - CSL, 01/19/2012 email	0.2094	0.9172	0.1026	0.45	0.0289	0.127
Manf. Guarantee - CSL, 01/19/2012 email	0.2100	0.9198	0.1029	0.45	0.0290	0.127
Manf. Guarantee - CSL, 01/19/2012 email	0.0768	0.3364	0.0376	0.16	0.0106	0.046
Manf. Guarantee - CSL, 01/19/2012 email	0.1200	0.5256	0.0588	0.26	0.0166	0.073
Manf. Guarantee - CSL, 01/19/2012 email	0.1950	0.8541	0.0956	0.42	0.0269	0.118
Manf. Guarantee - CSL, 01/19/2012 email	0.0408	0.1787	0.0200	0.09	0.0056	0.025
Manf. Guarantee - CSL, 01/19/2012 email	0.1500	0.6570	0.0735	0.32	0.0207	0.091
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.1000	0.4378	0.0490	0.21	0.0138	0.060
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.0939	0.4113	0.0460	0.20	0.0130	0.057
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.1121	0.4909	0.0549	0.24	0.0155	0.0677
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.1342	0.5878	0.0658	0.29	0.0185	0.0811
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.1822	0.7979	0.0893	0.39	0.0251	0.11
Manf. Guarantee - FARR, 01/20/2012 email; flowrate info provided by Nunhems USA, via direct measurement, on 04-16-2012.	0.1822	0.7979	0.0893	0.39	0.0251	0.11
Manf. Guarantee - N.R.Murphy, Ltd, 01/20/2012 email	0.0113	0.0496	0.0055	0.0243	0.0016	0.0068
Manf. Guarantee - Herding Filtration, Ltd, 01/26/2012 email; flowrate info provided by Nunhems USA, Inc. via direct measurement on 04-16-2012.	0.0203	0.0888	0.0099	0.04	0.0028	0.0122
Manf. Guarantee - Herding Filtration, Ltd, 01/26/2012 email; flowrate info provided by Nunhems USA, Inc. via direct measurement on 04-16-2012.	0.2356	1.0320	0.1155	0.51	0.0325	0.142
TOTAL PTE (Controlled)=	**2.2831**	**10.0000**	**1.1187**	**4.9000**	**0.3151**	**1.3800**

GENERATORS - NON-CARCINOGENIC TAPs							
DIESEL FUEL							
Pollutant	EF for >600 hp units[a]	EF for < 600 hp units[b]	Combined Emissions	Combined Emissions	Average lbs/hr	Screening Level	Modeling?
	(lb/MMBtu)	(lb/MMBtu)	(lb/hr)	(tons/yr)	24 hr Avg for 585s	(lb/hr)	(Y/N)
Acrolein	7.88E-06	9.25E-05	1.49E-04	3.72E-05	6.19E-06	1.7E-02	N
Barium	0	0	0	0	0	3.3E-02	N
Chromium	0	0	0	0	0	3.3E-02	N
Cobalt	0	0	0	0	0	3.3E-03	N
Copper	0	0	0	0	0	6.7E-02	N
Hexane	0	0	0	0	0	1.2E+01	N
Manganese	0	0	0	0	0	3.33E-01	N
Moybdenum	0	0	0	0	0	6.67E-01	N
Naphthalene[a]	1.30E-04	8.48E-05	8.30E-04	2.08E-04	3.46E-05	3.33E+00	N
Pentane	0	0	0	0	0	1.18E+02	N
Selenium	0	0	0	0	0	1.3E-02	N
Toluene	2.81E-04	4.09E-04	2.05E-03	5.12E-04	8.53E-05	2.5E+01	N
o-Xylene	1.93E-04	2.85E-04	1.41E-03	3.53E-04	5.88E-05	2.9E+01	N
Vanadium	0	0	0	0	0	3.0E-03	N
Zinc	0	0	0	0	0	6.7E-01	N

[a] Although listed as a noncarcinogen in the Rules, DEQ has determined that naphthalene is a possible/probable carcinogen. Compliance for naphthalene emissions should be based on the EL or AACC listed in Section 586 for PAH.

GENERATORS - CARCINOGENIC TAPs							
DIESEL FUEL							
Pollutant	EF for >600 hp units[a]	EF for < 600 hp units[b]	Emissions	Emissions	Average lbs/hr	Screening Level	Modeling?
	(lb/MMBtu)		(lb/hr)	(tons/yr)	Annual Avg for 586s	(lb/hr)	(Y/N)
Aceteldehyde	2.52E-05	7.67E-04	1.01E-03	2.51E-04	5.74E-05	3.00E-03	N
Arsenic	0	0	0	0	0	1.5E-06	N
Benzene	7.76.E-04	9.33.E-04	5.44E-03	1.36E-03	3.10E-04	8.0E-04	N
Beryllium	0	0	0	0	0	2.8E-05	N
1,3-Butadiene	0	3.91E-05	4.40E-05	1.10E-05	2.51E-06	2.4E-05	N
Cadmium	0	0	0	0	0	3.7E-06	N
Formaldehyde	7.89E-05	1.18E-03	1.77E-03	4.44E-04	1.01E-04	5.1E-04	N
Nickel	0	0	0	0	0	2.7E-05	N
Naphthalene[a]	1.30E-04	8.48E-05	8.30E-04	2.08E-04	3.46E-05	NA	N
Acenaphthylene	9.23E-06	5.60E-06	5.85E-05	1.46E-05	3.34E-06	NA	NA
Acenaphthene	4.68E-06	1.42E-06	2.80E-05	7.01E-06	1.60E-06	NA	NA
Fluorene	1.28E-05	2.92E-05	1.05E-04	2.63E-05	6.00E-06	NA	NA
Phenanthrene	4.08E-05	2.94E-05	2.64E-04	6.59E-05	1.50E-05	NA	NA
Anthracene	1.23E-06	1.87E-06	9.06E-06	2.26E-06	5.17E-07	NA	NA
Fluoranthene	4.03E-06	7.61E-06	3.13E-05	7.83E-06	1.79E-06	NA	NA
Pyrene	3.71E-06	4.78E-06	2.63E-05	6.59E-06	1.50E-06	NA	NA
Benzo(a)pyrene	2.57E-07	1.88E-07	1.66E-06	4.16E-07	9.50E-08	2.0E-06	N
Benz(a)anthracene	6.22E-07	1.68E-06	5.41E-06	1.35E-06	3.09E-07	NA	NA
Benzo(b)fluoranthene	1.11E-06	9.91E-08	6.38E-06	1.60E-06	3.64E-07	NA	NA
Benzo(k)fluoranthene	2.18E-07	1.55E-07	1.41E-06	3.52E-07	8.03E-08	NA	NA
Benzo(g,h,I)perylene	5.56E-07	4.89E-07	3.69E-06	9.23E-07	2.11E-07	NA	NA
Chrysene	1.53E-06	3.53E-07	9.04E-06	2.26E-06	5.16E-07	NA	NA
Dibenzo(a,h)anthracene	3.46E-07	5.83E-07	2.61E-06	6.53E-07	1.49E-07	NA	NA
Indeno(1,2,3-cd)pyrene	4.14E-07	3.75E-07	2.76E-06	6.90E-07	1.58E-07	NA	NA
Total PAHs	2.12E-04	1.69E-04	1.39E-03	3.46E-04	7.91E-05	9.1E-05	N

[a]AP-42, Table 3.4-3

[b]AP-42, Table 3.3-2

Notes: * Emission factor units in pounds per MMBTU.
Emission estimates represent maximum emissions based on burning diesel fuel and based on AP-42 Tables 3.4-3 and 3.4-4.
Emissions based on 100 hours/year of operation.

CRITERIA EMISSIONS - DIESEL COMBUSTION - Nunhems USA, Inc.

Emission Factors: Stationary Internal Combustion Sources (AP-42, Chapter 3)[1]

Small Engines (<600 hp): From Table 3.3-1						Large Engines (>600 hp): From Table 3.4-1					
		(power output)		(fuel input)	Reference			(power output)		(fuel input)	Reference
NOx	3.10E-02	lb/hp-hr	4.41E+00	lb/MMBtu	AP-42, Table 3.3-1, 1997	NOx	2.40E-02	lb/hp-hr	3.20E+00	lb/MMBtu	AP-42, Table 3.4-1, 1996
CO	6.68E-03	lb/hp-hr	9.50E-01	lb/MMBtu	AP-42, Table 3.3-1, 1997	CO	5.50E-03	lb/hp-hr	8.50E-01	lb/MMBtu	AP-42, Table 3.4-1, 1997
CO_2e	1.15E+00	lb/hp-hr	1.64E+02	lb/MMBtu	AP-42, Table 3.3-1, 1997	CO2e	1.16E+00	lb/hp-hr	1.65E+02	lb/MMBtu	AP-42, Table 3.4-1, 1998
PM-10[2]	2.20E-03	lb/hp-hr	3.10E-01	lb/MMBtu	AP-42, Table 3.3-1, 1998	PM Total	7.00E-04	lb/hp-hr	1.00E-01	lb/MMBtu	AP-42, Table 3.4-1, 1998
						PM10		lb/hp-hr	5.73E-02	lb/MMBtu	AP-42, Table 3.4-2, 1996
SOx	2.05E-03	lb/hp-hr	2.90E-01	lb/MMBtu	AP-42, Table 3.3-1, 1999	SOx	1.21E-05	lb/hp-hr	1.52E-03	lb/MMBtu	AP-42, Table 3.4-1, 1999
VOC	2.47E-03	lb/hp-hr	3.50E-01	lb/MMBtu	AP-42, Table 3.3-1, 2001	VOC	7.05E-04	lb/hp-hr	9.00E-02	lb/MMBtu	AP-42, Table 3.4-1, 2001
Lead	0.00E+00	lb/hp-hr	0.00E+00	lb/MMBtu	AP-42, Table 3.3-1, 2002	Lead	0.00E+00	lb/hp-hr	0.00E+00	lb/MMBtu	AP-42, Table 3.4-1, 2002

[1] Manufacturers' specific emission factors were used when available. Otherwise, the appropriate AP-42 emission factors were utilized.

[2] PM-10 = particulate matter less than or equal to 10 um aerodynamic diameter. All particulate is assumed to be < or = 1 um in size.

Emission Factors: Manufacturers' Specific Information[1]

CAT C9-2008 3 Phase Diesel Generator						Generac 2000 Series 3-Phase Diesel Generator						Stamford Cummins 3-Phase Diesel Generator					
See "CAT GEN Mfg Spec.pdf" for specific manufacturing data.						See "GEN GEN Emisson Factors.pdf" for specific manufacturing data.						See "Cummins generator manuf emiss specs.pdf" for specific manufacturing data.					
NOx	2.97	g/hp-hr	6.55E-03	lb/hp-hr		NOx	6.74	g/hp-hr	1.49E-02	lb/hp-hr		NOx	5.7	g/hp-hr		1.26E-02	lb/hp-hr
CO	0.36	g/hp-hr	7.94E-04	lb/hp-hr		CO	1.9	g/hp-hr	4.19E-03	lb/hp-hr		CO	0.57	g/hp-hr		1.26E-03	lb/hp-hr
HC	0.1	g/hp-hr	2.20E-04	lb/hp-hr		PM	0.98	g/hp-hr	2.16E-03	lb/hp-hr		HC	0.08	g/hp-hr		1.76E-04	lb/hp-hr
PM	0.079	g/hp-hr	1.74E-04	lb/hp-hr		THC	0.23	g/hp-hr	5.07E-04	lb/hp-hr		PM	0.03	g/hp-hr		6.61E-05	lb/hp-hr
												SO_2	0.11	g/hp-hr		2.43E-04	lb/hp-hr

[1] Manufacturers' specific emission factors were used when available. Otherwise, the appropriate AP-42 emission factors were utilized.

Calculated Emissions

Description	kW[a]	MMBtu/hr	hp[b]	Hours of Operation / Year	NOx Emissions		CO Emissions		CO2e Emissions		PM-Total Emissions*		PM-10 Emissions*		PM-2.5 Emissions*		SOx Emissions		VOC Emissions**		Lead Emissions	
					(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
CAT C9-2008 3 Phase Diesel Generator (at pumphouse)	250	0.85	398	500	2.61	0.65	0.32	0.08	458	114	0.069	0.017	0.069	0.017	0.0693	0.017	0.82	0.20	0.98	0.25	0	0
Generac 2000 Series 3-Phase Diesel Generator (South of Building "C")	80	0.27	125	500	1.86	0.46	0.52	0.13	144	36	0.270	0.068	0.270	0.068	0.27	0.068	0.26	0.06	0.06	0.02	0	0
		1.13																				
Stamford Cummins 3-Phase Diesel Generator[c]	1656	5.65	2205	500	27.71	6.93	2.77	0.69	2558	639	0.146	0.036	0.146	0.036	0.15	0.036	0.53	0.13	0.39	0.10	0	0
		5.65			**32.17**	**8.04**	**3.61**	**0.90**	**3159**	**790**	**0.49**	**0.12**	**0.49**	**0.12**	**0.49**	**0.12**	**1.61**	**0.40**	**1.435**	**0.36**	**0.0**	**0.0**

[a] 1 kW = 0.003412 MMBtu/hr;

[b] Brake hp ratings provided for all generators; based upon manufacturer's specification information provided in Form EU1 for each unit.

[c] >600 hp; uses AP 42, Table 3.4-1 emissions factors

*PM-10 = particulate matter less than or equal to 10 um aerodynamic diameter. All particulate is assumed to be < or = 1 um in size.

** VOC assumed to be equal to TOC.

Appendix E
Process Weight Calculation

Appendix E
Nunhems
Process Weight Calculations

Compliance with IDAPA Rule 701 PM Standard for Process Weight

Unit	DC1	DC2	DC3	DC4	DC5	DC6	DC7	DC8	FARR 1	FARR 2	FARR 3	FARR 4	FARR 5	FARR 6	Murphy Rodgers Baghouse	Herding Filtration System 01	Herding Filtration System 02
Process Weight (lb/hr)	503	503	503	503	503	503	503	113	113	113	113	113	503	503	113	113	113
PM Emission Rate (lb/hr)	0.21	0.21	0.21	0.08	0.12	0.20	0.04	0.15	0.10	0.09	0.11	0.13	0.18	0.18	0.011	0.020	0.24
Compliance with Allowable Emission Calculation																	
Calculated Allowable Emissions (E) (lb/hr) [1]	5.21	5.21	5.21	5.21	5.21	5.21	5.21	3.59	3.59	3.59	3.59	3.59	5.21	5.21	0.77	0.77	3.59
Compliance w/ PM Loading Standard	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

[1] **General Restrictions - New Equipment:**
If PW is less than 9,250 pounds per hour
$E = 0.045(PW)^{0.6}$
If PW is greater than 9,250 pounds per hour
$E = 1.10(PW)^{0.25}$

Appendix F
Air Dispersion Modeling Protocol

Permit Modification Air Dispersion Modeling Protocol Seed Treatment Processing Plant, Parma, Idaho

Prepared for

Nunhems, USA

Submitted to

Idaho Department of Environmental Quality

August 2016

CH2M HILL, Inc.
322 East Front Street
Suite 200
Boise, ID 83702

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Project Background

Nunhems USA (Nunhems) operates a Seed Treatment Processing facility located at 1200 Anderson Corner Road, Parma, Idaho (facility). The facility was issued a Permit-to-Construct (PTC, No. P-2015.0017) on June 9, 2016 and is currently seeking a permit modification.

Nunhems proposes to modify the operating requirements of the PTC by:

- Replacing daily emissions limits with monthly emissions limits for two seed dryers (Dryer 2 and Dryer 3) which are operated intermittently
- Replacing centrifugal fans and heating units for the two seed dryers (Dryer 2 and Dryer 3). Dryer 2 will be replaced with a 1.44 MMBtu/hr heat input capacity from an existing 2.5 MMBtu/hr unit. Dryer 3 will be replaced with a 0.72 MMBtu/hr heat input capacity from an existing 2.0 MMBtu/hr unit.
- Establishing monthly emissions limits for two building heaters (Heat 01 in Building L and Heat 02 in Building Q) which are operated intermittently

An air quality impact analysis will be performed in support of this PTC modification as required under IDAPA 58.01.01.200. Idaho regulations require a facility applying for a PTC modification to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS). Compliance will be demonstrated for both annual and short-term impacts, based on the monthly emissions limits proposed. Project emissions (emissions from the sources with proposed modifications) are below the Level 1 threshold for carbon monoxide (CO), sulfur dioxide (SO_2), annual nitrogen dioxide (NO_2), PM_{10}, long-term and 24-hour $PM_{2.5}$, and lead (Pb); therefore, NAAQS impact analysis is not required for these pollutants. Modeled parameters will include 1-hour NO_2. Emissions from the four sources with proposed modifications will be modeled and the resulting ambient concentrations compared to the SIL (Significant Impact Level). If these concentrations exceed the SIL, facility-wide emissions will be modeled for that pollutant and the resulting ambient concentrations will be compared to the NAAQS. An updated emissions spreadsheet, updated modeling results table, and modeling files will be provided to support the proposed modifications.

This air dispersion modeling protocol is being submitted to the Idaho Department of Environmental Quality (IDEQ) on behalf of Nunhems. This document summarizes the modeling methodology that will be used to evaluate the facility's impacts to air quality with respect to criteria and state toxic air pollutant (TAPs) emissions. It has been prepared based on the U.S. Environmental Protection Agency (EPA) *Guidelines on Air Quality Models* (GAQM), and the *State of Idaho Guideline for Performing Air Quality Impact Analyses* (ID AQ-011, September, 2013).

Area Classification and Source Designation

The Nunhems facility is located in Payette County, Idaho, approximately 6 miles north of Parma. Payette County is a federally designated class II area and is attainment or unclassified for all criteria pollutants. Nunhem's potential to emit classifies the source as a minor source and this permit modification would not trigger Prevention of significant deterioration (PSD) permitting requirements.

Project Description

Within the facility there are a total of five processing stages: warehousing, seed conditioning, seed enhancement, seed treatment, and packaging and shipping. These processes remain as described in the PTC; however, two seed dryers require additional flexibility to operate beyond the short-term limits

identified in the PTC. If seeds are wet upon arrival to the facility, they must be dried before storing; otherwise, the seed's germination will be negatively affected rendering it unsellable. Because bulk shipments of seeds are only occasionally wet upon arrival, the use of the seed dryers is intermittent, and thus may be required beyond the current daily permit limit. The dryers' operations limits need to be flexible enough to allow them to operate more than ten hours per day when needed, depending on the condition of the seed. This flexibility is critical to operations. During some years, the dryers are used rarely or not at all; however, their use is weather-dependent and unpredictable. Two building heaters, which are used to crisp onion seeds prior to processing, are also operated intermittently and on a flexible basis. Because the heaters do not need to operate for all hours on all days, Nunhems proposes to establish permit conditions for the heaters that reflect their actual use.

Modifications are proposed for the following sources:

- Two building heaters for Building Q (HEAT1)
  - Propane fired
  - 1,000,000 Btu/hr per unit
  - Dry scale out of onion umbels
  - Volume source
- Four building heaters south of Building L (HEAT2)
  - Propane fired
  - 250,000 Btu/hr per unit
  - Dry scale out of onion umbels
  - Volume source
- Seed dryer in Building K (DRYER02)
  - Seed warehousing
  - Propane fired
  - 1,440,000 Btu/hr
  - Point source
- Seed dryer northwest of Building Q (DRYER03)
  - Propane fired
  - 720,000 Btu/hr
  - Point source

Manufacturer specifications for the replacement centrifugal fans and heaters are provided in Appendix A.

The proposed changes to permit conditions are described in Table 1.

Table 1. Proposed changes to permit conditions

Current Permit Condition		Proposed Permit Condition
3.7	Dryer 2 may only be operated between the hours of 8:00 a.m. and 6:00 p.m. daily for a total of 10 hours per day and 3,650 hours per year.	Dryer 2 may be operated 200 hours per month
3.8	Dryer 3 may only be operated between the hours of 6:00 a.m. and 4:00 p.m. for a total of 10 hours per day. Dryer 3 may only be operated during the months of August and September and only from Monday through Saturday. Operation of Dryer 3 is limited to a maximum of 530 hours per year.	Dryer 3 may be operated 200 hours per month

	None	Heater 1 may be operated 100 hours per month. Heater 1 may only be operated August 1 through January 31.
	None	Heater 2 may be operated 600 hours per month

Criteria Pollutant Emissions

Nunhems proposes a change in permit conditions to increase flexibility to operate four sources (DRYER2, DRYER3, HEAT01, and HEAT02). Source properties and emission rates for these sources will be modeled appropriately to demonstrate compliance with the proposed change. Properties and emission rates for all other sources will remain as in the PTC.

Controlled potential emission estimates have been prepared for particulate matter emissions (PM_{10} and $PM_{2.5}$). Note that there are no particulate matter controls for the propane sources. The remaining criteria pollutant emission sources are uncontrolled. Therefore, controlled emissions equal uncontrolled emissions for NOx, SOx, CO, and VOC. PTE emission calculations spreadsheets are included for reference as a separate Microsoft Excel spreadsheets. Table 2 presents the potential to emit (PTE) criteria emissions for the sources that will be modified.

Table 2. Nunhems USA Potential to Emit Criteria Pollutants

Source	Number of Sources	PM_{10}		$PM_{2.5}$		NOx		SOx		CO		VOC	
		(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)	(lb/hr)	(Ton/yr)
DRYER02	1	0.011	0.013	0.011	0.013	0.205	0.246	0.024	0.028	0.118	0.142	0.016	0.019
DRYER03	1	0.006	0.007	0.006	0.007	0.102	0.123	0.012	0.014	0.059	0.071	0.008	0.009
HEAT01	1	0.015	0.005	0.015	0.005	0.284	0.085	0.033	0.01	0.164	0.049	0.022	0.007
HEAT02	1	0.008	0.028	0.008	0.028	0.142	0.512	0.016	0.059	0.082	0.295	0.011	0.039
Facility Wide Total	4	0.04	0.053	0.04	0.05	0.73	0.966	0.0.00	0.11	0.423	0.56	0.057	0.074
Level I Modeling Thresholds for Criteria Pollutants		0.22		0.054	0.35	0.20	1.2	0.21	1.2	15			
Requires Modeling[c]		**No**		**No**	**No**	**Yes**	**No**	**No**	**No**	**No**			

Notes:

[a] Per *State of Idaho Guideline for Performing Air Quality Impact Analysis, Appendix A* dated September 2013. Modeling for 1-hr NO_2 is no longer required for emergency engine generators (intermittent sources) operating less than 100 hours per year for routine testing and maintenance.

[b]

Proposed changes to the modeled emissions and emission rates for these sources include:

1.) Emission Profiles – Two dryers and two heaters (DRYER2, DRYER3, HEAT01, and HEAT02) may be modeled as intermittent sources, with emission profiles based on the proposed monthly limits.

2.) Source Characterization – The dryers are both long, low sources with heated emissions. Because characterization of this source as a volume source in AERMOD would not account for the plume rise that will occur due to the elevated temperature, Nunhems will model the dryers as pseudo point sources. The pseudo-stack properties used are shown in Table 3. It is requested that IDEQ review and approve these pseudo-stack properties in advance of the permit modification submittal. Figures 1 and 2 show each of the dryers and the representative diameter calculation for the pseudo point source for use in AERMOD.

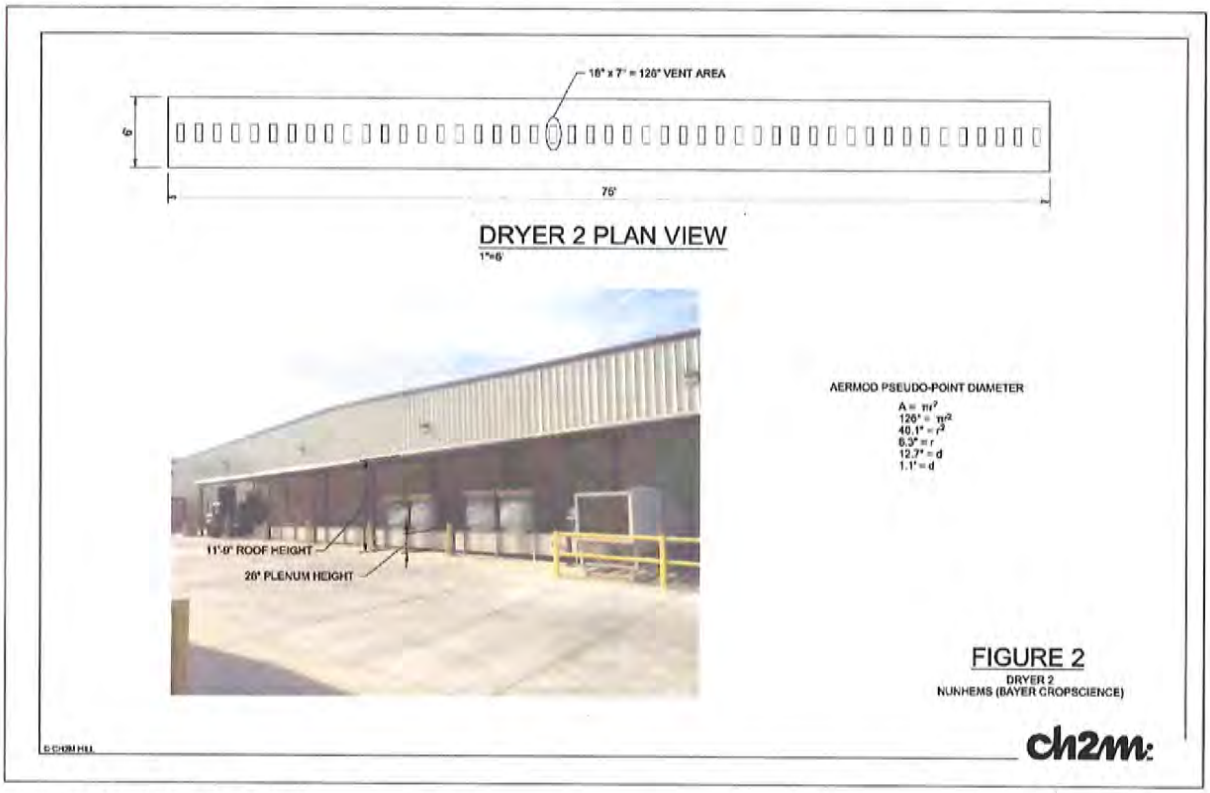


Figure 1. Dryer 2 configuration

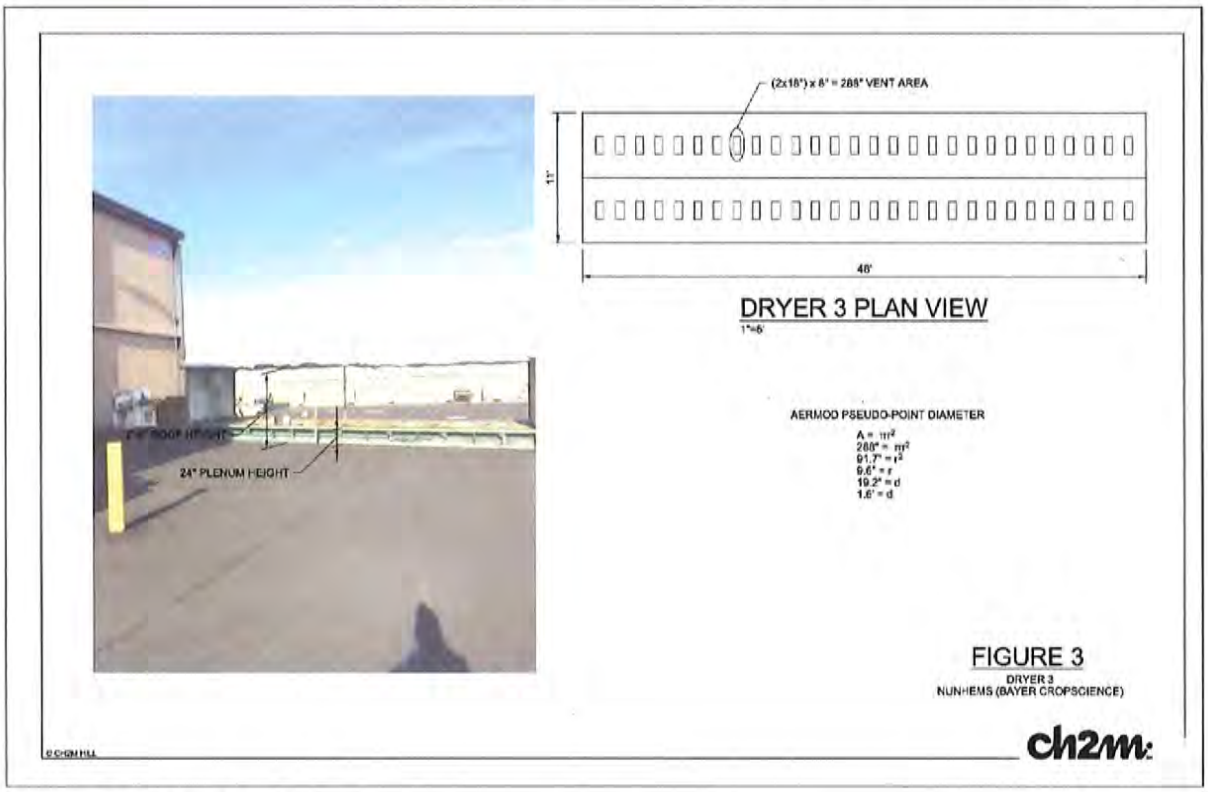


Figure 2. Dryer 3 configuration

Table 3. Pseudo-Stack Parameters for Dryers 2 and 3

		Dryer 2	Dryer 3
Stack Release Type (Beta)		RAINCAP	RAINCAP
Easting (X)	(m)	504027.8	504103.2
Northing (Y)	(m)	4857915	4857827
Base Elevation	(m)	690.84	694.6
Stack Height	(m)	3.43	2.74
Temperature	(K)	310.93	310.93
Exit Velocity	(m/s)	0.001	0.001
Stack Diameter	(m)	10.3353	0.4877

In general, all of the emission rates and other source parameters will be determined from manufacturer's data, EPA-established emission factors, design plans, or a combination of these methods. Table 4 shows the stack parameters for heaters 1 and 2.

Table 4. Stack Parameters for Heaters 1 and 2

Volume Source	Stack ID	Easting	Northing	Release Height [a] (m)	Initial Vertical Dimension [b] (m)	Initial Horizontal Dimension [c] (m)	Source Base Elevation (m)
BLDG Q Heaters	HEAT01	504,135.5	4,857,833	3.05	1.42	3.76	694.6
BLDG L Heaters	HEAT02	504,047	4,857,932.7	3.05	1.42	2.41	690.27

Notes:

[a] Height of building or middle of exhaust vents if horizontal exhaust

[b] Release height divided by 2.15

[c] Effective width of source divided by 4.3

Emission Profiles

The initial round of modeling will use maximum hourly emissions, assuming the sources operate every hour of every day (Monday - Saturday). This is an overly conservative assumption, because these sources will never operate in that manner. If this modeling results in ambient air impacts over the NAAQS, a second-tier approach will be used. This approach will incorporate weekly emissions profiles that accurately reflect the use of these intermittent sources throughout the year and demonstrate compliance with proposed monthly permit conditions. The modeling emissions profiles and proposed permit conditions are summarized in Table 5.

Table 5. Proposed Permit Conditions and Modeling Emissions Profiles for Dryers 2 and 3 and Heaters 1 and 2

	Modeling Conditions (Weekly emissions profile)	Monthly use modeled (hours)[a]	Proposed monthly permit limit (hours)	Proposed annual use based on permit limit (hours)[b]	Proposed permit condition
HEAT01	Operates all hours Monday only, August - January	108	100	600	Operates a maximum of 100 hours per month, operates only August 1 - January 31
HEAT02	Operates all hours Monday through Saturday, all months	624	600	7200	Operates a maximum of 600 hours/month
DRYER2	Operates all hours Monday and Tuesday, all months	208	200	2400	Operates a maximum of 200 hours/month
DRYER3	Operates all hours Monday and Tuesday, all months	208	200	2400	Operates a maximum of 200 hours/month

[a] weeks per year in use * hours per week in use / months per year in use

[b] monthly permit limit * months per year in use

To account for the hours when these sources are used, a monthly hour limit will be modeled. To model the dryers with a monthly hour limit, five years of dryer use data were reviewed and the mean and maximum hours used by month were calculated for the period of 2011-2014. This data is shown in Table 6. The proposed operational schedule was determined using the maximum hours per month the dryers have been in operation over the past five years (260 hours for both dryers, or 130 hours for each dryer). This proportion of hours (17.5% of the hours in October) was multiplied by seven to yield the number of days in a week the dryers typically operated (1.22 days). This number was rounded up to the next whole number (2) and the dryers were modeled as operational each week for that number of days, beginning with Monday (which was randomly chosen). This method covers a total of 208 hours per month, which is a higher than the requested number of permitted hours of operation for the dryers (Table 5).

This method ensures the ambient air impact captures 24-hour use of the dryer and covers a random selection of days that exceed the maximum use documented over the last five years. The model accounts for typical meteorological conditions for all hours of the day in all seasons, while also capturing the intermittency of the proposed operational schedule.

Table 6. Maximum and Mean Hours by Month for the Period of 2011-2014

Month	5-year Maximum Hours Used	5-year Maximum Hours Used (each dryer)	5-year Mean Hours Used
Jan	140	70	78
Feb	50	25	23
Mar	60	30	12
Apr	0	0	0
May	60	30	24
Jun	60	30	26
Jul	150	75	51
Aug	150	75	96
Sep	230	115	98
Oct	260	130	132
Nov	120	60	64
Dec	65	33	33

A similar process was used to determine operational hours for the heaters. Operation data from 2014 and 2015 for heater 2 were reviewed and the maximum and mean hours by month were tabulated. This data is shown in Table 7. The recommended hours of operation by week were determined by calculating the maximum percentage of hours the heater may be on for a month (610 hours, or 85% of the hours of November) and this percentage was used to determine how many days per week to operate the heater in the model (six days each week, modeled as Monday-Saturday). This method results in 624 hours modeled per month which is higher than the proposed number of hours of operation for these sources (Table 5).

Table 7. Maximum and Mean Hours by Month for the Period 2014-2015

Month	2-year Maximum Hours Used	2-year Mean Hours Used
Jan	460	330
Feb	300	250
Mar	240	230
Apr	70	65
May	60	50
Jun	20	20
Jul	80	75
Aug	300	200
Sep	280	250
Oct	210	155
Nov	610	505
Dec	300	250

An updated emissions spreadsheet showing appropriate justification will be provided to support the changes from the 2015 permit application.

Modeling

Modeling is not required for any criteria pollutant with controlled emissions below Level 1 thresholds for modified sources (Table 2). Therefore, ambient air modeling for this PTC modification application is proposed only 1-hour NO_2.

Dispersion Model

The EPA-approved AERMOD (Version 15181) model will be used. AERMOD is a steady-state plume model that simulates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. This model is recommended for short range (< 50 km) dispersion from the source. AERMOD will be run with the following options.

- Regulatory default options, with the following exceptions:
  - Use of the Tier 2 or Tier 3 methods for NO_2 chemistry
  - Beta algorithms used for horizontal and rain-capped point sources
- Direction-specific building downwash
- Actual receptor elevations and hill height scales
- Complex/intermediate terrain algorithms

Meteorological Data

5-year Boise, Idaho AERMET meteorological data (2011-2015) will be used for modeling. Meteorological data processed with AERMET (version 15181) was supplied to CH2M by IDEQ on April 25, 2016.

Background Concentrations

When a NAAQS analysis is necessary, the criteria ambient background concentrations for the facility location from Northwest AirQuest will be used. Proposed rural background concentrations for criteria air pollutants are provided in Table 8.

Table 8. Criteria Pollutant Background Concentrations ($\mu g/m^3$)

NO2	1-hour	49

Receptors

The ambient air boundary will be the facility fenceline. The selection of receptors in AERMOD will be as follows:

- Discrete Receptors 25 meters around the property line.
- A 100-meter grid extended approximately 1 kilometer.
- A 500-meter grid extended approximately 5 kilometers.
- For the cumulative analysis, only receptors with preliminary modeled values greater than the SIL will be used to create the refined receptor grid
- If cumulative analysis results indicate any receptors with design values that are 98% of the NAAQS or higher, the model will be re-run with a 25-m grid in the 100-m^2 area around these receptors.

U.S. Geological Survey (USGS) National Elevation Dataset (NED) terrain data will be used to determine receptor elevations and terrain maxima.

Preliminary Analysis

Using emissions from the four sources with proposed modifications, modeled concentrations of 1-hour NO_2 will be compared to the applicable Significant Impact Level (SIL) shown in Table 10. If the predicted impacts are below the SIL, the pollutant will not cause or significantly contribute to a violation of the NAAQS, and the modeling will be considered complete for that pollutant and averaging period. If the maximum modeled impact is greater than the SIL, a refined analysis will be conducted for demonstration of compliance with the NAAQS, as described below.

Refined Analysis

For the refined analysis, modeled emissions will include contributions from the entire Facility, competing nearby sources not included in the background, and appropriate background concentrations. The resulting modeled concentrations will be compared to the NAAQS. DEQ will identify any nearby contributing sources, if any, that need to be included in the analysis.

1-hour NO_2

For comparison to the NAAQS in the cumulative analysis, NO_2 modeling will follow the three-tiered approach described in Section 5.2.4 of Appendix W (40 CFR Part 51) and the EPA memo *Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard* (September 30, 2014). The Tier 1 analysis assumes full conversion of emitted NO to NO_2. The Tier 2 analysis uses the Ambient Ratio Method 2 (ARM2) approach to predict conversion of NO to NO_2 using hourly ambient NOx monitoring data. The Tier 3 analysis will incorporate either the Plume Volume Molar Ratio Method (PVMRM) or the Ozone Limiting Method (OLM Group ALL) to approximate NO_2 chemistry using site-specific data. Higher tiers will be used only if the lower, more conservative tiers are inadequate to describe site conditions.

Previously, the Idaho Department of Environmental Quality (IDEQ) has approved the use of PVMRM a Tier 3 modeling approach for the Project. Pursuant to Sections 3.1.2.c, 3.2.2.a, and A.1.a(2) of Appendix W, application of AERMOD with ARM2 is not a "preferred model" and, therefore, requires justification and approval by the Regional Office on a case-by-case basis, similar to the justification and approval required for a Tier 3 method.

Nunhems requests the use of the Tier 2 ARM2 method because:

- The area around the Project site has ozone levels that are not persistently above approximately 80-90 ppb.
- The initial modeling indicates that the Project will be below the NO_x impact threshold for areas with low ozone background concentrations.
- The majority of sources are expected to have an in-stack ratio (ISR) of NO_2/NO_X below 0.2.

For this Facility the ARM method is overly conservative because the site has low background ozone levels and the ISR is expected to be below 0.2 for a majority of the stacks.

In September 2014 the EPA released a memorandum "Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard." In this memorandum, the EPA stated that the model evaluations of ARM2 indicate that the results from ARM2 are generally more conservative relative to the Tier 3 methods of OLM and PVMRM, which is consistent with the tiered screening approach currently recommended in Appendix W for NO_2. Additionally, the

memorandum states that the analysis indicated ranges of total NO_x in which ARM2 is conservative relative to the Tier 3 methods and likely to produce more accurate NO_2/NO_x ratios compared to the ARM method. Specifically, the EPA testing and evaluation of the ARM2 method indicates that ARM2 appears to be an appropriate Tier 2 NO_2 modeling method in some cases and should be approved for usage as an alternative modeling option in these cases. These cases are as follows:

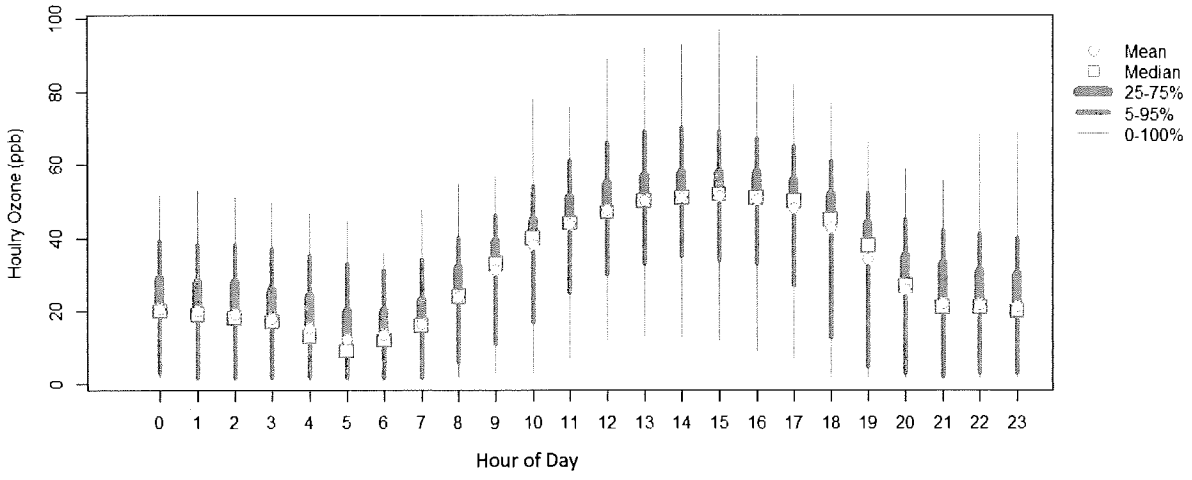
1. The primary source/facility has made a demonstration that the source/facility has a NO_2/NO_x in-stack ratio (ISR) of less than 0.2 (for 95% or more of the short-term NOx emissions).
2. The primary source/facility has made a demonstration that the total modeled NOx from the source/facility is less than 150-200 ppb.
3. The background ozone is not persistently above approximately 80-90 ppb.

To evaluate the Facility and location as an appropriate ARM2 alternative modeling candidate, the EPA ISR database[i] was reviewed for the sources of NO_2 at the facility. The sources are primarily small propane fueled combustion sources, propane fueled seed dryers and diesel emergency generators. Over 95% of the sources from the facility are expected to have ISR's less than 0.2 NO_2/NO_x, however there are no propane heaters listed in the EPA database. The diesel emergency generators are not included in the 1-hour NO_2 modeling, but the average ISR for diesel generators is 0.05 with over 98% under an ISR of 0.2. Since the ISR for the propane sources are not detailed in the EPA database at this point in time, an evaluation of the second case was performed.

The Tier 1, total conversion, results from modeling the primary source can be used to determine if the primary source is likely to have ambient impacts that are appropriately conservative when using ARM2 regardless of the ISR of the primary source. In this case, the Tier 1 H1H modeled NO_x concentration from this analysis was 354 $\mu g/m^3$, approximately 190 ppb. This value falls within the 50 ppb range for the upper threshold where ARM2 is acceptable regardless of the ISR of the sources. The higher end of the threshold (200 ppb NO_X) is appropriate in areas with lower background ozone concentrations. An evaluation of five years of recent ozone data (2002-2006) from Canyon County, ID (EPA AQS site number 16-027-0007-44201) located approximately 25 km from the Facility location was performed to evaluate the appropriateness of using the high end of the upper threshold where ARM2 is acceptable without need to review source ISRs.

The review of the available data indicated that the background ozone levels in Canyon County are not persistently over the 80-90 ppb range. The available data was only collected during the high ozone season (April – October). Figure 3 shows the hourly ozone concentrations for the five years of data collected by hour of day.

Figure 3. Hourly Ozone Concentrations for Canyon County by Hour of Day for April-October, 2002-2006



Ozone values are typically lowest in early morning hours and rise until about two or three pm and then begin to decline again. The highest ozone measurements are seen in July and they steadily decrease through the end of the ozone season in October. The yearly breakdown of the measured ozone is provided in Table 9.

Table 9. Canyon County Hourly Ozone Data by Year

Year	Number of Measured Hours	Missing Hours	Minimum (ppb)	Maximum (ppb)	Median (ppb)	Interquartile Range (IQR)	Mean (ppb)	Standard Deviation	d50
2002	4910	1690	2.0	93.0	32.0	27.0	31.7	17.8	46.5
2003	4900	3860	2.0	83.0	31.0	30.0	31.2	18.0	41.5
2004	4767	4017	2.0	78.0	30.0	28.0	29.3	17.1	39.0
2005	3513	5247	2.0	97.0	31.0	27.0	31.3	17.2	48.5
2006	2322	3325	2.0	89.0	36.0	29.0	36.2	17.9	44.5
Total	20412	18139	2.0	97.0	32.0	28.0	31.4	17.7	48.5

Notes:

Interquartile range (IQR) is a measure of variability

Since over 95% of the measured ozone values are below 80 ppb, and only 5 hours of the 20,412 were above 90 ppb, well below the benchmark of frequent multiple days (e.g., more than 7) with hourly ozone greater than 80-90 ppb during a typical year. Based on available data, the ozone at this site is not persistently above 80-90 ppb, indicating the background ozone should not hinder the approval of ARM2.

Since the total NO_X from the Tier 1, total conversion analysis is close to the upper end of the 150-200 ppb threshold, both the background ozone concentration and the NO_2/NO_x ISR of the primary source are important factors in determining the conservativism of ARM2. The most recent ozone data meets the criteria to be considered low ozone. While the ISR of the sources at the facility are expected to be 0.2 or less, the lack of data on the particular source types used at the Facility, propane building heaters and propane fueled seed dryers, makes it difficult to adequately demonstrate that the primary source has ISRs that are all below 0.2. When sources have known ISRs greater than 0.2, then ARM2 may still be used, but the minimum ARM2 ratio should be adjusted to match the source's ISR. For this Facility, IDEQ recommended adjusting the minimum ARM2 ratio to the Tier 3 ISR default of 0.5 to ensure modeling remains conservative. This value may be refined based if additional information is made available from source manufacturers test data or if additional data is made available in public ISR databases.

Based on the data described here, Nunhems meets the criteria for ARM2 usage. The modeled NO_x from the source is less than the high end of the acceptable range, approximately 190 ppb, which is the appropriate benchmark for sources in areas where background ozone is not persistently above 80-90 ppb. Additionally Nunhems will initially use ARM2 method with the default maximum NO_2/NO_X ratio of 0.9 for very low levels of NO_x and an adjusted minimum ratio of 0.5 for high levels of NO_X.

Once the ARM2 modeling is complete, Nunhems will evaluate the results and may request a revision to the minimum NO_2/NO_x ratio or the use of a Tier 3 method as needed.

Standards and Criteria Levels

Table 10 summarizes applicable criteria including Significant Impact Levels (SILs) and National Ambient Air Quality Standards (NAAQS).

Table 10. Summary of Air Quality Standards and Criteria

Pollutant	Averaging Period	Primary NAAQS[a] ($\mu g/m^3$)	Significant Impact Level[b] ($\mu g/m^3$)
NO_2	1-Hour	188[c]	7.5

Notes:

[a] The national ambient air quality standards (NAAQS) for the pollutants included in this modeling analysis are equivalent to the Idaho state ambient air quality standards for those pollutants.

[b] Maximum modeled concentration

[c] 98th percentile maximum daily 1-hour average, averaged over 3 years.

-- = no standard

$\mu g/m^3$ = microgram(s) per cubic meter

NO_2 = nitrogen dioxide

Output – Presentation of Results

The results of the air dispersion modeling analyses will be presented as follows:

- A description of modeling methodologies and input data,
- A summary of the results in tabular and, where appropriate, graphical form,
- Modeling files used for the AERMOD analysis will be provided with the application on compact disk,
- Any deviations from the methodology proposed in this protocol will be presented.

References

IDEQ 2013. *State of Idaho Guideline for Performing Air Quality Impact Analyses.* Doc. I D AQ-011. State of Idaho Department of Environmental Quality, Boise, Idaho 83706.

U.S. Environmental Protection Agency (EPA). 2005. *Appendix W of 40 CFR Part 51—Guideline On Air Quality Models (Revised)*, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina, November.

U.S. Environmental Protection Agency (EPA). 2010. *EPA Guidance Concerning the Implementation of the 1-Hour NO_2 NAAQS for the PSD Program*. EPA Office of Air Quality Planning and Standards. June 29.

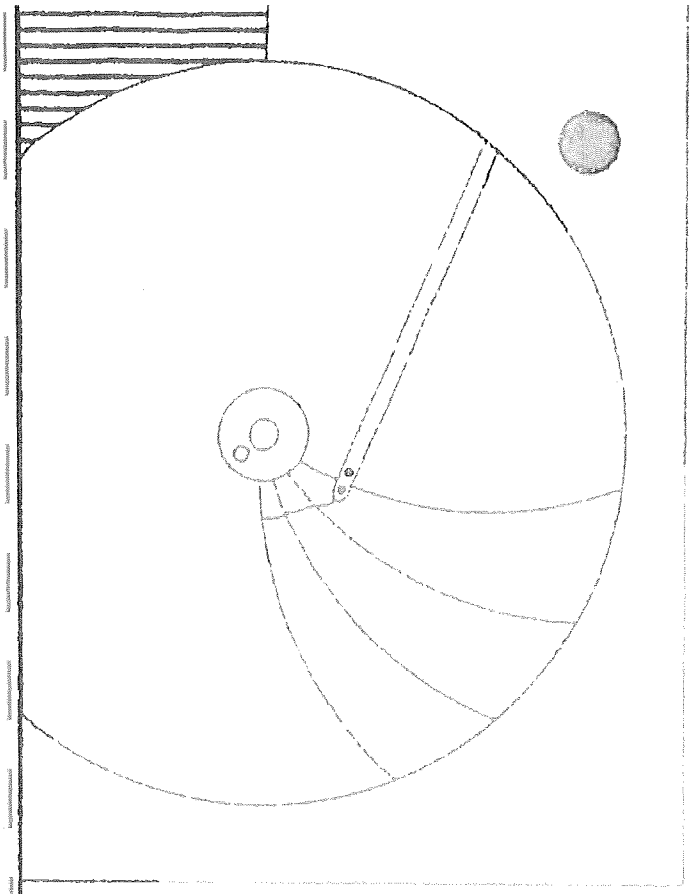
U.S. Environmental Protection Agency (EPA). 2011. Additional Clarification Regarding Application of Appendix W Modeling Guidance for the 1-Hour NO2 National Ambient Air Quality Standard. Tyler Fox. EPA Air Quality Modeling Group. March 1, 2011.

U.S. Environmental Protection Agency (EPA). 2014a. Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard. Robert Chris Owen and Rodger Brode. Air Quality Modeling Group. September 30, 2014.

U.S. Geological Survey (USGS). 2006. National Land Cover Database 2006. Available from: http://www.mrlc.gov/nlcd06_data.php

[i] http://www.epa.gov/ttn/scram/no2_isr_database.htm

Appendix A
Manufacturer Information



SEED DRYER 4A
4B

RECORDER
OFF ON

4A - 2 IDENTICAL UNITS
VENT THROUGH
~~DUST COLLECTOR 03~~
FALL 03

4B - 3 IDENTICAL UNITS
VENT THROUGH
~~DUST COLLECTOR 04~~
FALL 04

CONTROL PANEL FACE LAYOUT

362408LP 36"H X 24"W X 8"D NEMA-12 ENCLOSURE)

y Management and Burner Management Systems

CONTROL TECHNOLOGY SPECIALISTS
4700 Northgate Blvd., Suite 160
Sacramento, CA 95834
(916) 922-9387

G AND DESIGN ARE THE PROPERTY OF C.T.S. NEITHER THE DRAWING,
ONS OF IT, NOR INFORMATION DERIVED FROM IT IS TO BE GIVEN TO
HOUT WRITTEN PERMISSION. NO USE IS TO BE MADE OF IT WHICH IS

PROJECT :
SEED DRYER

CUSTOMER :
DIXON "Y" MACHINE

TITLE :
BURNER CONTROL SCHEMATIC

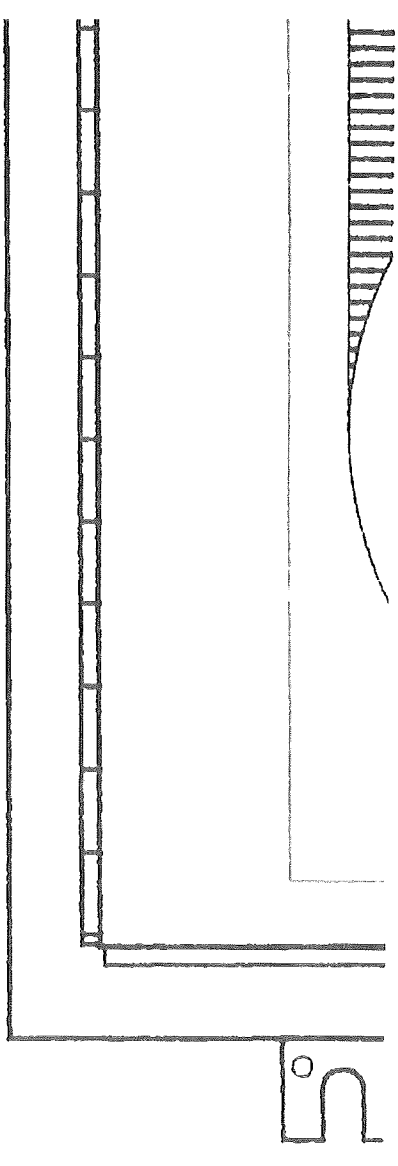
		INT:.	DATE:
ENGINEERED:	HINH N.	H.N.	06-27-94
CHECKED:	ADRIAN H.	A.H.	06-28-94
APPROVED :			11-09-94
DRAWN :	JESSE S.	J/S	06-27-94

JOB NO. | SHEET NO. | DRWG. NO.

ROL PIPING DETAIL

Seed Dryer 4A
4B

BURNER DETAILS	
AIR VOLUME	5700 CFM
TEMPERATURE RISE	70F
BURNER CAPACITY	500,000 BTU/HR
AIR VELOCITY REQUIRED FOR 9 EQUIVALENT FT. OF BURNER	3,000 FPM
AIR PRESSURE DROP ACROSS BURNER	0.56" w.c.
LIQUID PROPANE GAS PRESSURE REQUIRED AT BURNER	2" w.c.
BURNER CAPACITY AT MINIMUM FIRE	24,000 BTU/HR
TEMPERATURE RISE AT MINIMUM FIRE	3.8F
FLAME LENGTH AT MAXIMUM FIRE	9"



BURN
(HOFFMAN

END

NEL TERMINAL	VOLTS	120 VAC
MINAL	HZ.	60 Hz
	PH.	1ø
NEL WIRING	FLA	10 Amp

AS REQUIRED BY CODE.

Appendix G
Impact Modeling Analyses Report

STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 NORTH HILTON, BOISE, ID 83706 · (208) 373-0502 C. L. "BUTCH" OTTER, GOVERNOR

October 12, 2016

Rick McCormick, P.E.
Project Manager
CH2M
322 E. Front St.
Suite 200
Boise, ID 83702

RE: Modeling Protocol Conditional Approval for Allowable Operating Hours for the Dryer Processes Regulated in the Initial Permit to Construct for the Nunhems USA Facility Located Near Parma, Idaho.

Dear Mr. McCormick:

DEQ received a dispersion modeling protocol from CH2M, on August 12, 2016, via email. The modeling protocol was submitted on behalf of Nunhems USA (Nunhems). The modeling protocol proposes methods and data for use in Class II area ambient air impact analyses in support of an application to modify the facility's initial facility-wide Permit to Construct (PTC) for the proposed increase in operating hours for seed drying emissions sources at the facility.

The modeling protocol has been reviewed and DEQ has the following comments:

- **Comment 1: Scope of Ambient Impact Analyses.**
  This project will relax the operating hour restrictions for four drying process emissions units that are regulated under PTC P-2015.0017, issued June 9, 2016. DEQ's Kevin Schilling, Stationary Source Modeling Coordinator, Air Quality Division, communicated the framework required for the ambient impact analyses via email dated August 17, 2016, stating in part:

  > "Since the modification is essentially correcting the recently issued permit to make it 'workable' for the applicant, including relaxation of conditions that were necessary to achieve NAAQS compliance, this permitting action will be reviewed as an adjustment to the existing permit. As such, the air impact analyses must demonstrate compliance on a facility-wide basis rather than review of only the proposed changes."

  The air impact analyses for this project must include a revised NAAQS analysis for each criteria air pollutant and applicable averaging period affected by the changes to the drying units' allowable operating hours that was submitted in the facility's initial PTC application. Based on the facility-wide potential to emit documentation for Project 61508, emissions of SO_2, CO, and lead are below levels defined as Below Regulatory Concern[1] (BRC), and the project would qualify for a BRC exemption if it were not for emissions of other criteria pollutants.

  This modified air quality PTC application includes a revised NAAQS analysis on a facility-wide basis rather than review of only the proposed changes.

- **Comment 2: Meteorological Data.** The protocol proposed that the 2011-2015 Boise meteorological dataset will be used for this project. DEQ approves the use of this dataset for this project. The modeling analysis includes the use of the 2011-2015 Boise meteorological dataset.

- **Comment 3: Receptor Grid.** The proposed receptor grid is not approved because a jump from 25-meter receptor spacing along the ambient air boundary to 100-meter spacing may not adequately resolve the maximum predicted impacts. The same receptor grid used for the previous ambient impact analyses is an appropriate starting point. DEQ does not specify a final receptor grid approval because the impacts must be reviewed to evaluate whether the maximum project impacts have been adequately resolved in the submitted analyses by noting whether a significant concentration gradient occurs between adjoining receptors. Hot spot grids are appropriate in resolving the maximum impacts. DEQ considers ambient impacts within 90% of the applicable NAAQS, reflecting the design impact and the approved ambient background combined, as an appropriate cutoff for verifying that the maximum impacts have been resolved. A minimum spacing density of 10 meters is viewed by DEQ as adequate for resolving maximum impacts under most conditions.

  DEQ staff may create one or more additional grids to verify that the maximum impacts have been presented in the project's modeling files and report. If review of the submitted modeling results does not clearly show that maximum modeled impacts are resolved to the point that NAAQS compliance is assured, the applicant will be asked to rerun the analyses using a tighter receptor grid. Alternatively, if DEQ performs a sensitivity analysis using a more densely-spaced receptor grid and any applicable ambient standards are exceeded, the permit will be denied. Approval of an initial receptor grid described in a modeling protocol does not qualify for final approval of a receptor grid layout for this project.

  A refined receptor grid of 25-meter spacing along the ambient air boundary to 100-meters was included in the NAAQS modeling analysis. Receptors with a modeled design value greater than 90% of the applicable NAAQS include a 100m^2 grid with 10-meter spacing to capture maximum impacts. Modeling files are provided on the attached CD.

- **Comment 4: 1-Hour Average NO_2 NAAQS Modeling.** The modeling protocol indicates that Tier 2 ARM2 will be used to demonstrate compliance with the 1-hour and annual NO_2 NAAQS. The modeling protocol provided a well-documented justification for the Tier 2 ARM2 method based on the evaluation criteria developed by EPA[2], and the Tier 2 ARM2 compliance method is approved for this project. Include the Tier 1 ambient impacts results with the permit application's electronic modeling files.

  DEQ agrees that the ARM2_MIN value may be revised to a lower value for the propane-fired combustion equipment if appropriate supporting data is presented in the permit application modeling report. Pre-approval for a value other than the default value of 0.5, which is recommended for unsubstantiated NO_2/NO_x in-stack ratios is not possible, and DEQ evaluation of any alternative ARM2_MIN value will occur during the completeness evaluation phase for the project.

  ARM2_MIN values will remain at 0.5 for propane fired combustion sources. No supporting documentation is submitted.

- **Comment 5: Background Concentrations.** DEQ's standard method of generating background concentrations for use in minor source permit modeling is to use the Northwest AIRQUEST (NW AIRQUEST) look-up design value concentration tool. Appropriate background concentrations from the NW AIRQUEST tool for the facility's location near Parma are listed in Table 1. Based upon PTC Permit #P-2015.0017, Project 61508, issued on June 9, 2016, the facility-wide potential emissions for SO_2, CO, and lead are below the Below Regulatory Concern (BRC) modeling thresholds and a NAAQS demonstration with ambient background values will not be required at this time. If any change to this BRC status occurs, DEQ requests that Nunhems contact the agency to request any additional background values.

Table 1. DEQ-RECOMMENDED AMBIENT BACKGROUND CONCENTRATIONS

Pollutant	Averaging Period	Background Concentration ($\mu g/m^3$)[a, b]
PM_{10}[d]	24-hour	73[c]
$PM_{2.5}$[e]	24-hour	19
	Annual	7.3
NO_2[f]	1-hour	49
	Annual	5.6

Notes:

a. Micrograms per cubic meter, except where noted otherwise.

b. NW AIRQUEST ambient background lookup tool, October 7, 2016 access date. See http://lar.wsu.edu/nw-airquest/lookup.html, except where noted otherwise.

c. Without extreme values.

d. Particulate matter with an aerodynamic diameter of 10 microns.

e. Particulate matter with an aerodynamic diameter of 2.5 microns.

f. Nitrogen dioxide

The NAAQS modeling analysis will include the use of the background concentrations provided by IDEQ.

Comment 6: Justification of Release Parameters. Documentation and justification of release parameters must be provided in the application. Refer to Section 6.4.2 of the *State of Idaho Guideline for Performing Air Quality Impact Analyses*[3]. A complete review of release parameter justification will be conducted during the application's completeness review and the completeness determination will incorporate the *Guideline's* substantiation requirements. Modeling with appropriate exhaust parameters is as important as modeling with appropriate emissions rates.

The modeling protocol listed emission point release parameters and documentation and justification of the release parameters for the four sources with requested altered operating schedules. In the protocol, Building Q and Building L heaters (Stack IDs HEAT01 and HEAT02, respectively) retained the same volume source release parameters used in Project 61508 except for a slight difference in base elevation for HEAT02.

Following discussion with DEQ, CH2M has presented alternative release parameters for Dryer 2 and Dryer 3, which were modeled as elevated volume sources in Project 61508. DEQ agrees that these sources may have exhaust streams that exhibit thermal buoyancy due to somewhat elevated temperature from propane-fired heating for ambient airflow used to dry seed product. The protocol indicates that one individual point source will be modeled for each Dryer 2 and Dryer 3. The protocol listed an exit velocity of 0.001 meters per second (m/s), or 0.0033 feet per second (ft/s), and based on the listed stack diameters of 33.9 feet for Dryer 2 and 1.6 feet for Dryer 3, the proposed flow rates would be 178 actual cubic feet per minute (ACFM) and 0.40 ACFM, respectively, which appear to be based on different assumptions. Low exhaust flows used in the modeling for Dryer 3 may not adequately account for thermal buoyancy of the emitted plume and may overestimate ambient impacts.

DEQ modeling staff's understanding from the most recent meeting between DEQ, Nunhems, and CH2M concerning the alternative treatment of the release parameters for these sources, was that CH2M could develop release parameters to account for the thermal buoyancy of from the exhaust emitted from the

multiple drying box vents for each drying line, while still reflecting the fact that both drying lines are equipped with a roof structure covering all drying box vents.

Preapproval of the exhaust parameters is not provided in this conditional modeling protocol. It is unclear whether the pseudo point sources will consist of a single representative stack for all vents or if some number of individual point sources will be used for the vents. Table 3 of the modeling protocol indicates that the rain cap Beta algorithm will be used for the pseudo point sources. A flow rate based on the fan and combustion exhaust data representing normal operating conditions should be used in place of the 0.001 m/s velocities for the Dryer 2 and Dryer 3 stack—or multiple stacks—if appropriate. A fan specification sheet provided with the modeling protocol contained highlighted heat input rating and certified airflow data for a 20 horsepower (hp) fan unit and a 40 hp fan unit, presumably for the proposed alterations to the two dryers. This will provide appropriate airflow data to estimate pseudo-stack flow rates. CH2M may submit an addendum to the August 12, 2016 modeling protocol if DEQ approval is requested prior to submittal of the permit application.

For any facility-wide impact analyses, the permit application's modeling report must contain all relevant release parameter justification documentation for all modeled sources.

Dryer 2 and Dryer 3 exhaust velocities have been revised and calculated based upon manufacturer data for the fans, vent counts, and stack diameter. The flow from the fan is assumed to be equal across all vents. In operation, seeds will be covering the vents and reduce the amount of area the air flow may pass through, leading to a higher velocity and greater dispersion. Assuming an equal distribution of flow among the vents is considered a conservative approach.

- **Comment 7: Emission Profile for Monthly Hours of Operation.** The approach described in the protocol appears reasonable based on the description provided under the *Emission Profiles* section of the protocol. Include the results of the initial round of modeling reflecting continuous operations in the permit application in addition to the files developed for the "second-tier" approach.

  In the event the predicted ambient impacts are close to a NAAQS, DEQ may perform sensitivity analyses in order to verify that alternative configurations of operating hours (still within the constraints of Nunhems' requested operation hour limitations) provide emission profiles from these sources that comply with the NAAQS. If NAAQS compliance is not demonstrated with the DEQ sensitivity analyses, the requested hours of operation increases will not be approved.

  Emission profiles for monthly hours of operation for the modified emission units demonstrate compliance with the NAAQS. Continuous operating scenarios without monthly hours of operation restrictions have been included in the permit application. Modeling files are provided on the attached CD.

- **Comment 8: DEQ Modeling Report Template.** Please use the DEQ modeling report template for your project. The template can be accessed using the following link: http://www.deq.idaho.gov/media/60176968/air-impact-modeling-analysis-report-template-form.docx.

DEQ's modeling staff considers the submitted dispersion modeling protocol, with resolution of the additional items noted above, to be approved. It should be noted, however, that the approval of the modeling protocol is not meant to imply approval of completed dispersion modeling analyses. The protocol approval does not provide an exhaustive review of all issues that may factor into the completeness of the modeling demonstration, and more extensive documentation in the permit application's modeling report may be necessary where the modeling protocol does not provide supporting documentation and detail. Completeness determinations weigh the materials presented in permit application and modeling report in evaluating whether the modeling analyses adequately

demonstrate compliance with the applicable standards and increments. Please refer to the State of Idaho Air Quality Modeling Guideline, which is available on the Internet at http://www.deq.idaho.gov/media/1029/modeling-guideline.pdf, for further guidance.

To ensure a complete and timely review of any analyses submitted to the Idaho Department of Environmental Quality, our modeling staff requests that electronic copies of all modeling input and output files (including BPIP and AERMAP) be submitted with analyses reports. Also, please include a copy of the protocol and this approval notice with the submitted application. If you have any further questions or comments, please contact me at (208) 373-0536.

The IDEQ Modeling Report Template is included in this modified air quality PTC application.

Nunhems Seed Treatment Processing Plant
Impact Modeling Analyses Report
10/27/2016

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Attachments

Attachment A Dryer Stack Parameter Calculations
Attachment B NAAQS Receptors

Meteorological Data – see file on attached CD: AERMET_DEQ

1.0 Summary

This Modeling Report was prepared in support of the PTC Modification application for Nunhems USA (Nunhems). It demonstrates that facility operations will not cause or contribute to a violation of the NAAQS when the proposed modifications are incorporated (Scenario 2). The PTC Modification is requested because Nunhems requires more flexible operating hours for seed-drying equipment and plans to make alterations to processing equipment that will impact emission rates and atmospheric dispersion. Dispersion modeling was completed for comparison to the Significant Impact Levels (SILs) and National Ambient Air Quality Standards (NAAQS) for 1-hour and annual NO_2, 24-hour and annual $PM_{2.5}$, and 24-hour PM_{10}. SO_2 and CO meet the criteria to be considered below regulatory concern (BRC) and were not modeled in this analysis. Emissions for all Toxic Air Pollutants (TAPs) are below Screening Emission Levels (EL), and were not modeled. Modeled ambient design-value concentrations, including background concentrations, fall below the NAAQS for all modeled pollutants. An impact analysis of the continuous operation, without the proposed operational modifications has also been included in this report at the request of IDEQ (Scenario 1).

2.0 Project Description and Background as it Relates to Modeling Analyses

Nunhems operates a Seed Treatment Processing facility located at 1200 Anderson Corner Road, Parma, Idaho (facility). Nunhems was issued a Permit-to-Construct (PTC, No. P-2015.0017) on June 9, 2016, by the Idaho Department of Environmental Quality (IDEQ). Nunhems is seeking a PTC Modification in order to increase the flexibility of the PTC's operating requirements by: (1) replacing daily emissions limits with monthly and annual emissions limits for two seed dryers and (2) establishing monthly and annual emissions limits for one building heater.

This air quality impact analysis was performed in support of the PTC Modification application as required under IDAPA 58.01.01.200. Idaho regulations require a facility applying for a PTC modification to demonstrate compliance with the NAAQS. Based on the need for flexibility in daily operations, IDEQ recommended that Nunhems incorporate a facility-wide modeling approach for this PTC modification. Compliance is demonstrated for both annual and short-term impacts, based on the monthly and annual emissions limits proposed.

This document summarizes the modeling methodology used to evaluate the facility's impacts to air quality with respect to criteria air pollutant emissions. It has been prepared based on the U.S. Environmental Protection Agency (EPA) Guidelines on Air Quality Models (GAQM), and the State of Idaho Guideline for Performing Air Quality Impact Analyses (ID AQ-01, September, 2013).

2.1 General Facility/Project Description

The Nunhems facility is located approximately 6 miles north of Parma, Idaho. There are five processing stages: warehousing, seed conditioning, seed enhancement, seed treatment, and packaging and shipping. These processes remain as described in the PTC; however, two seed dryers (Dryer 2 and Dryer 3) require additional flexibility to operate beyond the short-term limits identified in the PTC. If seeds are wet upon arrival to the facility, they must be dried before storing; otherwise, the seed's germination will be negatively affected rendering it unsellable. Because bulk shipments of seeds are only occasionally wet

upon arrival, the use of the seed dryers are intermittent, and thus may be required beyond the current daily permit limit. The dryers' operations limits need to be flexible enough to allow them to operate more than ten hours per day when needed, depending on the condition of the seed. This flexibility is critical to operations. During some years, the dryers are rarely used or not at all; however, their use is weather-dependent and unpredictable.

Other changes in operation are also required. Building heater (HEAT1) is used to crisp onion seeds prior to processing. This building heater operates intermittently and does not need to operate for all hours on all days; therefore, Nunhems proposes to establish permit conditions for HEAT1 in Building Q that reflects actual use, seed conditioning, seed enhancement, seed treatment, and packaging and shipping.

This modeling analysis also reflects two changes that impact source characterization and emission rates. First, the centrifugal fans and heating units for the two seed dryers (DRYER2 and DRYER3) will be replaced. DRYER2 will be replaced with a 1.44 MMBtu/hr heat input capacity from an existing 2.5 MMBtu/hr unit. DRYER3 will be replaced with a 0.72 MMBtu/hr heat input capacity from an existing 2.0 MMBtu/hr unit. Second, the existing horizontal release stacks for two dryers that are used during the pelleting process will be modified. DRYER4A (which exhausts through FARR03) and DRYER4B (which exhausts through FARR04) will each have a 90-degree elbow removed to the exit stack such that they will exhaust vertically.

Nunhems maintains eight Carothers dust collectors, six FARR cartridge dust collectors, one Murphy Rodgers baghouse, and two Herding filtration units to control particulate matter emissions. Controlled potential emission estimates have been prepared for particulate matter emissions (PM_{10} and $PM_{2.5}$). The remaining emission sources are uncontrolled and consist of process heaters, building heaters, and emergency generators. The process heaters and building heaters use propane exclusively as the primary fuel source. Nunhems maintains three emergency backup generators for emergency power. Each generator uses ultra-low sulfur diesel fuel and operates less than 100 hours per year for routine testing and maintenance.

A site plan showing current layout of the facility is included in Figure 1.

Figure 1: Facility Layout

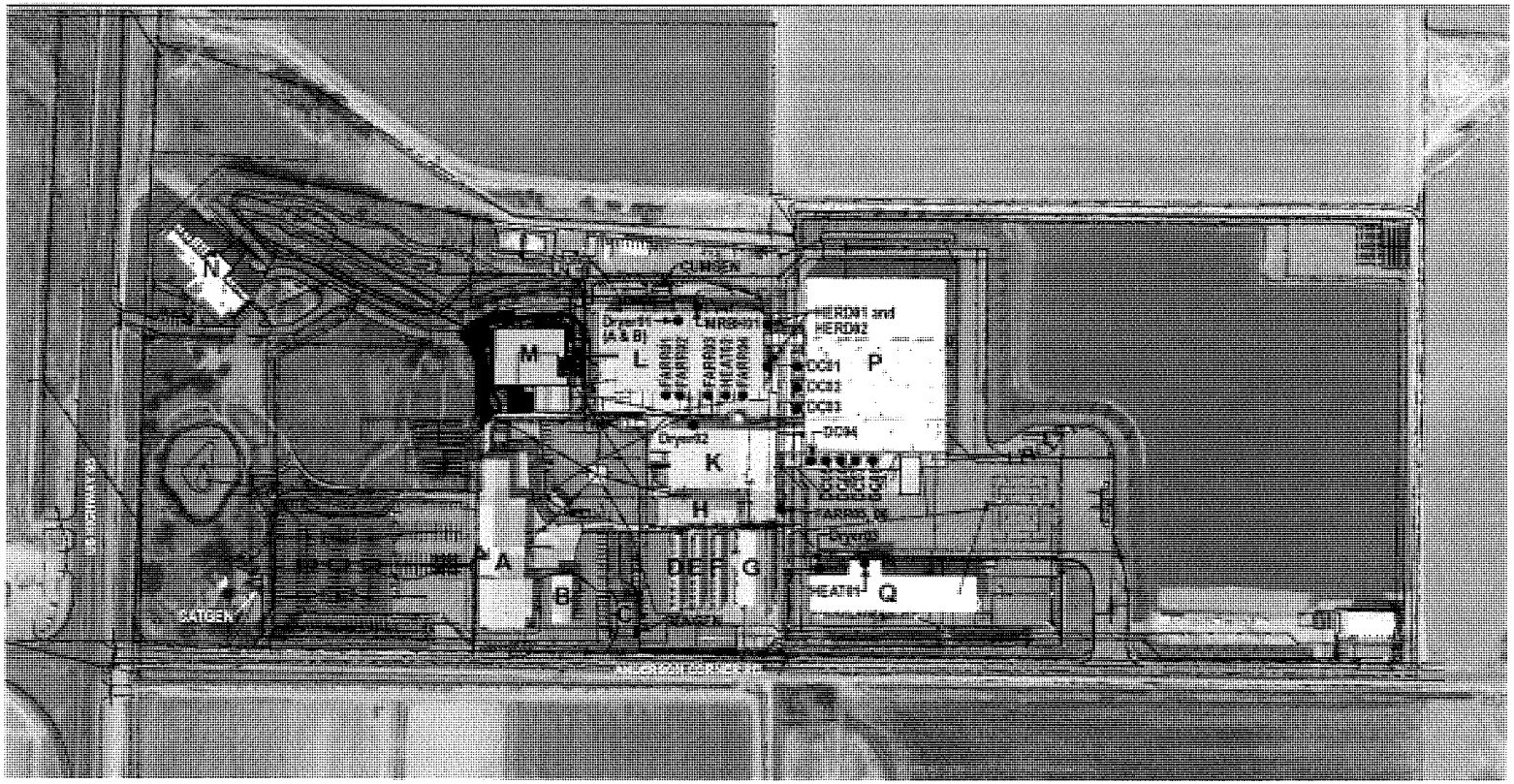


Figure 2: Process Flow Diagram

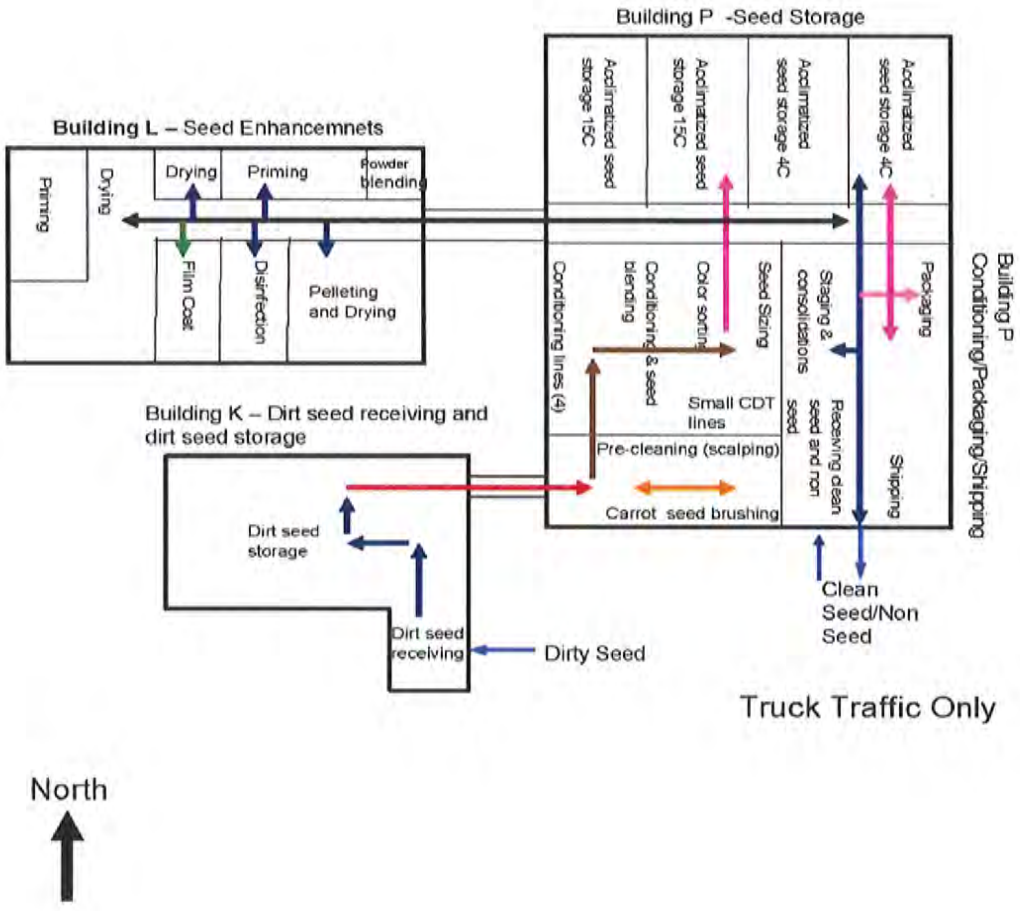


FIGURE 2
PROCESS FLOW DIAGRAM
Nunhems USA, Inc.

2.2 Location of Project

The facility is located at 1200 Anderson Corner Road, approximately six miles north of Parma, Idaho, in Payette County, Latitude: 43°52'23.12"N Longitude: 116°57'4.92"W, UTM Zone 11.

Payette County is in attainment for all criteria pollutants. The surrounding area is primarily agricultural and generally flat. Other air pollution sources in the area include particulate matter and non-road vehicle emissions from farming operations.

__X__ A map showing the geographical location of the facility is provided in this section or a reference is provided to another location in the application where a map is provided (Figure 3)

Figure 3: Facility Location

2.3 Existing Permits and Modeling Analyses Performed

On June 9, 2016, Nunhems was issued a Permit-to-Construct (PTC, No. P-2015.0017) by the IDEQ. An air quality analysis was submitted in support of the PTC Application, which demonstrated that 1-hour and annual NO_2, 24-hour and annual $PM_{2.5}$, and 24-hour PM_{10} would not violate their respective NAAQS. SO_2 and CO emissions met the criteria to be considered BRC and did not require NAAQS analysis. TAPs were below ELs and did not require modeling.

__X__ Any existing air quality permits are listed and described in this section, and any associated air quality modeling analyses have been described and referenced, and submitted if appropriate.

3.0 Modeling Analyses Applicability and Protocol

Sections 3.1 – 3.3 below describe why modeling was performed for each criteria pollutant. As explained in section 3.3, none of the facility-wide PTE emission estimates for TAPs exceed the ELs provided in IDAPA 58.01.01.585 or 586. Therefore, modeling was not required for these pollutants.

3.1 Applicable Standards

Criteria pollutant NAAQS are listed in Table 1, along with SILs.

Table 1. APPLICABLE REGULATORY LIMITS

Pollutant	Averaging Period	Significant Impact Levels[a] ($\mu g/m^3$)[b]	Regulatory Limit[c] ($\mu g/m^3$)	Modeled Design Value Used[d]
PM_{10}[e]	24-hour	5.0	150[f]	Maximum 6th highest[g]
$PM_{2.5}$[h]	24-hour	1.2	35[i]	Mean of maximum 8th highest[j]
	Annual	0.3	12[k]	Mean of maximum 1st highest[l]
Carbon monoxide (CO)	1-hour	2,000	40,000[m]	Maximum 2nd highest[n]
	8-hour	500	10,000[m]	Maximum 2nd highest[n]
Sulfur Dioxide (SO_2)	1-hour	3 ppb[o] (7.8 $\mu g/m^3$)	75 ppb[p] (196 $\mu g/m^3$)	Mean of maximum 4th highest[q]
	3-hour	25	1,300[m]	Maximum 2nd highest[n]
	24-hour	5	365[m]	Maximum 2nd highest[n]
	Annual	1.0	80[r]	Maximum 1st highest[n]
Nitrogen Dioxide (NO_2)	1-hour	4 ppb (7.5 $\mu g/m^3$)	100 ppb[s] (188 $\mu g/m^3$)	Mean of maximum 8th highest[t]
	Annual	1.0	100[r]	Maximum 1st highest[n]
Lead (Pb)	3-month[u]	NA	0.15[r]	Maximum 1st highest[n]
	Quarterly	NA	1.5[r]	Maximum 1st highest[n]
Ozone (O_3)	8-hour	40 TPY VOC[v]	75 ppb[w]	Not typically modeled

a. Idaho Air Rules Section 006 (definition for significant contribution) or as incorporated by reference as per Idaho Air Rules Section 107.03.b.

b. Micrograms/cubic meter.

c. Incorporated into Idaho Air Rules by reference, as per Idaho Air Rules Section 107.

d. The maximum 1st highest modeled value is always used for the significant impact analysis unless indicated otherwise. Modeled design values are calculated for each ambient air receptor.

e. Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.

f. Not to be exceeded more than once per year on average over 3 years.

g. Concentration at any modeled receptor when using five years of meteorological data.

h. Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers.

i. 3-year mean of the upper 98th percentile of the annual distribution of 24-hour concentrations.

j. 5-year mean of the 8th highest modeled 24-hour concentrations at the modeled receptor for each year of meteorological data modeled. For the SIL analysis, the 5-year mean of the 1st highest modeled 24-hour impacts at the modeled receptor for each year.

k. 3-year mean of annual concentration.

l. 5-year mean of annual averages at the modeled receptor.

m. Not to be exceeded more than once per year.

n. Concentration at any modeled receptor.

o. Interim SIL established by EPA policy memorandum.

p. 3-year mean of the upper 99th percentile of the annual distribution of maximum daily 1-hour concentrations.

q. 5-year mean of the 4th highest daily 1-hour maximum modeled concentrations for each year of meteorological data modeled. For the significant impact analysis, the 5-year mean of 1st highest modeled 1-hour impacts for each year is used.

r. Not to be exceeded in any calendar year.

s. 3-year mean of the upper 98th percentile of the annual distribution of maximum daily 1-hour concentrations.

t. 5-year mean of the 8th highest daily 1-hour maximum modeled concentrations for each year of meteorological data modeled. For the significant impact analysis, the 5-year mean of maximum modeled 1-hour impacts for each year is used.

u. 3-month rolling average.

v. An annual emissions rate of 40 ton/year of VOCs is considered significant for O_3.

w. Annual 4th highest daily maximum 8-hour concentration averaged over three years.

TAP Screening Emission Levels and Acceptable concentrations are identified in Table 2.

Table 2. TAP ELS AND AACS/AACCS

TAP	Non-Carcinogen or Carcinogen	Screening Emissions Level (EL)[a]	AAC or AACC[b]
		(lb/hr)	($\mu g/m^3$)
Acrolein	Non-Carcinogen	1.70E-02	1.25E+01
Ammonia	Non-Carcinogen	1.20E+00	9.00E+02

Table 2. TAP ELS AND AACS/AACCS			
TAP	**Non-Carcinogen or Carcinogen**	**Screening Emissions Level (EL)[a]**	**AAC or AACC[b]**
		(lb/hr)	**(µg/m³)**
Aluminum Oxide	Non-Carcinogen	6.67E-01	5.00E+02
Calcium Carbonate	Non-Carcinogen	6.67E-01	5.00E+02
Chlorpyrifos	Non-Carcinogen	1.30E-02	1.00E+01
Ethylene Glycol	Non-Carcinogen	8.46E-01	6.35E+03
Hydrogen Chloride	Non-Carcinogen	5.00E-02	3.75E+02
Kaolin	Non-Carcinogen	1.33E-01	1.00E+02
Magnesium Oxide	Non-Carcinogen	6.67E-01	5.00E+02
Methanol	Non-Carcinogen	1.73E+01	1.30E+04
Mica	Non-Carcinogen	2.00E-01	1.50E+02
Naphthalene	Non-Carcinogen	3.33E+00	2.50E+03
Perlite	Non-Carcinogen	6.67E-01	5.00E+02
Phosphine	Non-Carcinogen	2.70E-02	2.00E+01
Silica – amorphous	Non-Carcinogen	6.67E-01	5.00E+02
Silica – cristobalite	Non-Carcinogen	3.30E-03	2.50E+00
Silica – quartz	Non-Carcinogen	6.70E-03	5.00E+00
Sodium Hydroxide	Non-Carcinogen	1.33E-01	1.00E+02
Thiram	Non-Carcinogen	3.33E-01	2.50E+02
Toluene	Non-Carcinogen	2.50E+01	1.88E+04
Xylene	Non-Carcinogen	2.90E+01	2.18E+04
Arsenic	Carcinogen	1.50E-06	2.30E-04
Benzene	Carcinogen	8.00E-04	1.20E-01
Beryllium	Carcinogen	2.80E-05	4.20E-03
Cadmium	Carcinogen	3.70E-06	5.60E-04
Formaldehyde	Carcinogen	5.10E-04	7.70E-02
Nickel	Carcinogen	2.70E-05	4.20E-02
Naphthalene	Carcinogen	9.10E-05	
Thiourea	Carcinogen	1.20E-05	1.80E-03
Benzo(a)pyrene	Carcinogen	2.00E-06 (7-PAH group - considered together as one TAP)	3.00E-4 (7-PAH group - considered together as one TAP)
Benzo(a)anthracene	Carcinogen		
Benzo(b)fluoranthene	Carcinogen		
Benzo(k)fluoranthene	Carcinogen		
Chrysene	Carcinogen		
Dibenzo(a,h)anthracene	Carcinogen		
Indeno(1,2,3-cd)pyrene	Carcinogen		
Total PAHs (except 7-PAH group)	Carcinogen	9.10E-05	1.40E-02

[a.] ELs from Idaho Air Rules Section 585 and 586 in pounds/hour.

[b.] Acceptable Ambient Concentration (AAC) or Acceptable Ambient Concentration for a Carcinogen (AACC) from Idaho Air Rules Section 585 and 586, in micrograms/cubic meter or milligrams/cubic meter. Note that AACs listed in Idaho Air Rules Section 585 are expressed in units of milligrams/cubic meter rather than micrograms/cubic meter.

__X__All TAPs identified in the emissions inventory for the project are listed in the TAPs EL and AAC/AACC Table in this section.

3.2 Criteria Pollutant Modeling Applicability

Table 3 lists criteria pollutants for which site-specific modeling analyses were performed to demonstrate compliance with NAAQS. Modeling was performed for $PM_{2.5}$, PM_{10}, and NOx. SOx, CO and VOC emission estimates were below regulatory concern (BRC) so were not modeled. See PTE Calculations in PTC Modification application for detailed explanation of calculations.

Table 3. MODELING APPLICABILITY

Criteria Pollutant	Modeled (yes/no)	Basis for Exclusion from Modeling
$PM_{2.5}$ 24-hour	Yes	___BRC Exempt[a] ___Emissions Below Level I Thresholds[b] ___Emissions Below Level II Thresholds[c]
$PM_{2.5}$ annual	Yes	___BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds
PM_{10} 24-hour	Yes	___BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds
NO_2 1-hour	Yes	___BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds
NO_2 annual	Yes	___BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds
SO_2 1-hour, 3-hour	No	_X_BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds

SO_2 annual	No	_X_BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds
CO 1-hour, 8-hour	No	_X_BRC Exempt ___Emissions Below Level I Thresholds ___Emissions Below Level II Thresholds

[a.] If the project would have qualified for a Category I BRC permitting exemption for the criteria pollutant in question, as per Idaho Air Rules Section 221.01, except for the emissions quantities of another criteria pollutant, then a NAAQS compliance analysis is not required under Section 203.02 or 403.02 for that criteria pollutant.

[b.] Level I Modeling Thresholds from Table 2 in Section 3 of the DEQ Modeling Guideline. NAAQS compliance is assured through DEQ's non-site-specific modeling analyses.

[c.] Level II Modeling Thresholds from Table 2 in Section 3 of the DEQ Modeling Guideline. NAAQS compliance is assured through DEQ's non-site-specific modeling analyses. Level II Modeling Thresholds can only be used with prior DEQ approval.

__X__Explanations/documentation why modeling was or was not performed for each criteria pollutant are provided in this section.

__X__Emissions calculations that clearly show how the modeling applicability determination was performed are provided in this section. (See PTE Calculations in Emissions Estimates, Appendix D of the PTC Modification Application)

3.3 TAP Modeling Applicability

This PTC Modification application does not request any changes that impact PTE for TAPs. TAPs for the facility are summarized in Table 4 (non-carcinogens) and Table 5 (carcinogens). None of the facility-wide PTE emission estimates for TAPs exceeds the ELs provided in IDAPA 58.01.01.585 or 586. Therefore, no modeling was required for these pollutants. Detailed PTE calculations are provided in the Emissions Estimates in Appendix D of the PTC Modification Application).

Table 4. NUNHEMS USA POTENTIAL TO EMIT (PTE) FOR TOXIC NON-CARCINOGEN EMISSIONS

	Lb/hr	Ton/yr	Emission Level (lb/hr)	Exceeds EL (Yes or No)
Acrolein	6.19E-06	3.72E-05	1.70E-02	No
Ammonia	1.01E-03	1.10E-03	1.20E+00	No
Aluminum Oxide	3.96E-06	1.70E-05	6.67E-01	No
Calcium Carbonate	3.29E-03	1.40E-02	6.67E-01	No
Chlorpyrifos	2.44E-06	1.10E-05	1.30E-02	No
Ethylene Glycol	2.24E-04	9.80E-04	8.36E-01	No

Hydrogen Chloride	1.32E-05	5.80E-05	5.00E-02	No
Kaolin	3.93E-06	1.70E-05	1.33E-01	No
Magnesium Oxide	3.30E-06	1.40E-05	6.67E-01	No
Methanol	4.26E-02	1.90E-01	1.73E+01	No
Mica	3.51E-04	1.50E-03	2.00E-01	No
Naphthalene	3.46E-05	2.08E-04	3.33E+00	No
Perlite	7.15E-04	3.10E-03	6.67E-01	No
Phosphine	4.10E-03	1.79E-02	2.70E-02	No
Silica – amorphous	1.59E-03	7.00E-03	6.67E-01	No
Silica – cristobalite	3.17E-04	1.40E-03	3.30E-03	No
Silica – quartz	5.51E-04	2.40E-03	6.70E-03	No
Sodium Hydroxide	1.10E-02	4.80E-02	1.33E-01	No
Thiram	1.41E-01	6.20E-01	3.33E-01	No
Toluene	8.53E-05	5.12E-04	2.50E+01	No
Xylene	2.50E-03	1.10E-02	2.90E+01	No
Emission Level (EL) from IDAPA 58.01.01.585 for non-carcinogens on a 24-hour average				

Table 5. NUNHEMS USA POTENTIAL TO EMIT (PTE) TOXIC CARCINOGEN EMISSIONS				
	Lb/hr	**Ton/yr**	**Emission Level (lb/hr)**	**Exceeds EL (Yes or No)**
Arsenic			1.50E-06	
Benzene	3.10E-04	1.36E-03	8.00E-04	No
Beryllium			2.80E-05	
Cadmium			3.70E-06	
Formaldehyde	3.30E-04	4.44E-04	5.1E-04	No
Nickel			2.70E-05	
Naphthalene	3.46E-05	2.08E-04	9.10E-05	No
Thiourea	1.25E-06	1.31E-09	1.20E-05	No
Benzo(a)pyrene	9.50E-08	4.16E-07	2.00E-06	No
Benz(a)anthracene	3.09E-07	1.35E-06	NA	
Benzo(b)fluoranthene	3.64E-07	1.60E-06	NA	
Benzo(k)fluoranthene	8.03E-08	3.52E-07	NA	
Chrysene	5.16E-07	2.26E-06	NA	
Dibenzo(a,h)anthracene	1.49E-07	6.53E-07	NA	
Indeno(1,2,3-cd)pyrene	1.58E-07	6.90E-07	NA	
Total 7-PAH	1.42E-06	6.91E-06	2.00E-6	No
Total PAHs (except 7-PAH group)	7.91E-05	3.46E-04	9.10E-05	No

Emission Levels (EL) from IDAPA 58.01.01.586 for carcinogens on an annual average

__X__Explanation/documentation on why modeling was or was not performed for emissions of each TAP identified in the emissions inventory of the application are provided in this section. (See detailed PTE Calculations in the Emissions Estimates in Appendix D of the PTC Modification Application).

3.4 Modeling Protocol

A modeling protocol was submitted to DEQ prior to the application, on August 12, 2016. The protocol was submitted by Rick McCormick, CH2M. This modeling protocol did not identify a facility-wide modeling approach. Based upon discussions with IDEQ, this PTC modification incorporates a facility-wide modeling approach using a new PTE established from the proposed changes. Conditional DEQ protocol approval was provided on October 23, 2016 which provided comments CH2M took into account in this modeling analysis. A response to the Modeling Protocol Conditional Approval letter has been included as an attachment in the permit application. Modeling and other required impact analyses were generally conducted using data and methods described in the protocol and in the *Idaho Air Quality Modeling Guideline.*

__X__If a protocol was submitted to DEQ prior to performing the modeling analyses, the protocol is included (see Appendix F of the PTC Modification Application).

__n.a__Concerns identified by DEQ in the protocol approval notice have been addressed in the analyses performed and in this Modeling Report.

4.0 Modeled Emissions Sources

__X__The modeling emissions inventory and the emissions inventory presented in other parts of the permit application are consistent, and if they are not identical numbers, it is clearly shown, with calculations submitted, how the modeled value was derived from the value provided in the emissions inventory.

The facility sources include the following equipment. All emission estimates are based on 8760 hours/year of operation, unless otherwise indicated.

- Three emergency backup generators (point sources). Each emergency generator operates less than 100 hours per year for routine testing and maintenance.

  CATGEN 1
  - Cat C9 250 kW diesel powered generator
  - Ultra low sulfur diesel (ULSD), 0.0015% sulfur content
  - For testing purposes, will operate up to 30 minutes a month

  CUMGEN 2
  - Cummins 1,612 kW diesel powered generator
  - ULSD, 0.0015% sulfur content
  - For testing purposes, will operate up to 30 minutes a month

  GENGEN 3
  - Generac 80 kW diesel powered generator
  - ULSD, 0.0015% sulfur content
  - For testing purposes, will operate up to 30 minutes a month

- Eight dust collectors (point sources)

  Dust collector 01 and 02 (DC01 and DC02)
  - Carothers and Sons manufacturer
  - 99.995% control efficiency
  - 0.0007 grains per dry standard cubic feet (g/dscf)
  - 34,900 cubic feet per minute (cfm) exhaust flow rate

  Dust collector 03 (DC03)
  - Carothers and Sons manufacturer
  - 99.995% control efficiency
  - 0.0007 g/dscf
  - 35,000 cfm exhaust flow rate

  Dust collector 04 (DC04)
  - Carothers and Sons manufacturer
  - 99.995% control efficiency
  - 0.0007 g/dscf
  - 12,800 cfm exhaust flow rate

  Dust collector 05 (DC05)

- Carothers and Sons manufacturer
- 99.995% control efficiency
- 0.0007 g/dscf
- 20,000 cfm exhaust flow rate

Dust collector 06 (DC06)
- Carothers and Sons manufacturer
- 99.995% control efficiency
- 0.0007 g/dscf
- 32,500 cfm exhaust flow rate

Dust collector 07 (DC07)
- Carothers and Sons manufacturer
- 99.995% control efficiency
- 0.0007 g/dscf
- 6,800 cfm exhaust flow rate

Dust collector 08 (DC08)
- Carothers and Sons manufacturer
- 99.995% control efficiency
- 0.0007 g/dscf
- 25,000 cfm exhaust flow rate

- Six FARR cartridge dust collectors (point sources)

FARR01 and FARR02
- Camfil FARR Air Pollution Control
- Seed treatment (film coating)
- 0.002 g/dscf (manufacturer guarantee)
- 99.99% efficient on 0.5 micron particles and larger

FARR03 and FARR04
- Camfil FARR Air Pollution Control
- Seed enhancement (pelleting)
- 0.002 g/dscf (manufacturer guarantee)
- 99.99% efficient on 0.5 micron particles and larger

FARR05 and FARR06
- Camfil FARR Air Pollution Control
- Warehousing (bulk unloading)
- 0.002 g/dscf (manufacturer guarantee)
- 99.99% efficient on 0.5 micron particles and larger

- One baghouse (point source)

Murphy Rodgers Baghouse (MRBH01)
- Model MRM-12-4D
- Seed enhancement
- 3,900 cfm at 8-inch water column
- 352 ft^2 filter area
- 99.9% efficient on particles of 1 micron or larger

- Two Herding Filtration, LLC units (point source)

HERD01

- Model P-1899 HSL
- Seed enhancement (powder/blending)
- 4,700 cfm
- 99.97% efficient 0.3 micron

HERD02

- Model P-2112 Delta Sys
- Seed enhancement (pelleting)
- 23,200 cfm
- 99.97% efficient 0.3 micron

- Two building heaters for Building Q (HEAT1)
  - Propane fired
  - 1,000,000 Btu/hr per unit
  - Dry scale
  - Volume source
  - Operates a maximum of 100 hours per month, between August 1 and January 31

- Four building heaters south of Building L (HEAT2)
  - Propane fired
  - 250,000 Btu/hr per unit
  - Dry scale
  - Volume source

- Two enclosed seed dryers (DRYER01A and DRYER01B)
  - Building L
  - Propane fired
  - 1,000,000 Btu/hr per unit
  - Point sources

- Seed dryer north of Building K (DRYER02)
  - Seed warehousing
  - Propane fired
  - 1,440,000 Btu/hr
  - Point source
  - Only operated intermittently, a maximum of 200 hours/month

- Seed dryer north of Building Q (DRYER03)
  - Propane fired
  - 720,000 Btu/hr
  - Point source
  - Only operated intermittently, a maximum of 200 hours/month

- Pelleting dryer in Building L (DRYER04A)
  - Two separate dryers that vent out of a common stack associated with FARR03
  - Propane fired
  - 500,000 Btu/hr
  - Point source
  - Exhaust vertically (addition of 90 degree elbow)

- Pelleting dryer in Building L (DRYER04B)
  - Three separate dryers that vent out of a common stack associated with FARR04

- Propane fired
- 500,000 Btu/hr
- Point source
- Exhaust vertically (addition of 90 degree elbow)

- 58 propane space heaters and HVAC units scattered throughout the facility
  - All propane fuel burning
  - Range in size from 45,000 Btu to 353,000 Btu

Manufacturer specification sheets are provided in Appendix B of the PTC Modification Application.

4.1 Criteria Pollutants

Based on the policy that modeling is not required for any criteria pollutant with controlled emission less than 10% of the significant emissions rate, ambient air modeling was completed only for PM_{10}, $PM_{2.5}$, and NO_x for this PTC Modification application. In addition, 1-hr NO_2 modeling for the three emergency generators was excluded, following the guidance in the *Idaho Air Quality Modeling Guideline.*

4.1.1 Modeled Emissions Rates for Significant Impact Level Analyses

Emission rates for emergency generators were based on 30 minutes per month of operation for routine testing and maintenance, maximum of 500 hours per year. For modeling it was assumed that emergency generators could operate a maximum of 1 hour per day and maximum hourly emissions were divided by 24 to obtain the daily emission rate for the model.

The emission rate flag option was used for the hourly, daily, and monthly modeling for several emission sources that are not operated on a continuous basis. Pelleting dryers DRYER03 and DRYER02, which each operate a maximum of 200 hours per month, were modeled as operational on Mondays and Tuesdays throughout the year. HEAT01, which operates a maximum of 100 hours per month between August 1 and January 31, was modeled as operational on Mondays during the months of August - January. Emission rates for all other equipment were based on continuous (8760 hours/year) operation.

Table 6 lists criteria pollutant emissions rates used in the SIL analyses.

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES

Source ID	Source Description	Pollutant	Averaging Period	Emissions[a] (lb/hr)
CUMGEN	Cummins generator	$PM_{2.5}$	24-hour	0.00608[c]
			Annual	0.00832
		PM_{10}	24-hour	0.00608[c]
		NOx	1-hour	Not Modeled[b]
			Annual	1.58153
MRBH	Murphy Rogers Baghouse 1	$PM_{2.5}$	24-hour	0.00156

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.00156
		PM_{10}	24-hour	0.00555
		NOx	1-hour	0.00000
			Annual	0.00000
HERD01	Filtration Unit	$PM_{2.5}$	24-hour	0.00280
			Annual	0.00280
		PM_{10}	24-hour	0.00993
		NOx	1-hour	0.00000
			Annual	0.00000
HERD02	Filtration Unit	$PM_{2.5}$	24-hour	0.03252
			Annual	0.03252
		PM_{10}	24-hour	0.11545
		NOx	1-hour	0.00000
			Annual	0.00000
FARR04	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.01852
			Annual	0.01852
		PM_{10}	24-hour	0.06576
		NOx	1-hour	0.00000
			Annual	0.00000
FARR03	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.01547
			Annual	0.01547
		PM_{10}	24-hour	0.05492
		NOx	1-hour	0.00000
			Annual	0.00000
FARR02	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.01296
			Annual	0.01296
		PM_{10}	24-hour	0.04602
		NOx	1-hour	0.00000

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.00000
FARR01	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.01379
			Annual	0.01379
		PM_{10}	24-hour	0.04898
		NOx	1-hour	0.00000
			Annual	0.00000
DC01	Dust Collector 1	$PM_{2.5}$	24-hour	0.02890
			Annual	0.02890
		PM_{10}	24-hour	0.10261
		NOx	1-hour	0.00000
			Annual	0.00000
DC02	Dust Collector 2	$PM_{2.5}$	24-hour	0.02890
			Annual	0.02890
		PM_{10}	24-hour	0.10261
		NOx	1-hour	0.00000
			Annual	0.00000
DC03	Dust Collector 3	$PM_{2.5}$	24-hour	0.02898
			Annual	0.02898
		PM_{10}	24-hour	0.10290
		NOx	1-hour	0.00000
			Annual	0.00000
DC04	Dust Collector 4	$PM_{2.5}$	24-hour	0.01060
			Annual	0.01060
		PM_{10}	24-hour	0.03763
		NOx	1-hour	0.00000
			Annual	0.00000
DC05	Dust Collector 5	$PM_{2.5}$	24-hour	0.01656
			Annual	0.01656
		PM_{10}	24-hour	0.05880

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		NOx	1-hour	0.00000
			Annual	0.00000
DC06	Dust Collector 6	$PM_{2.5}$	24-hour	0.02691
			Annual	0.02691
		PM_{10}	24-hour	0.09555
		NOx	1-hour	0.00000
			Annual	0.00000
DC07	Dust Collector 7	$PM_{2.5}$	24-hour	0.00563
			Annual	0.00563
		PM_{10}	24-hour	0.01999
		NOx	1-hour	0.00000
			Annual	0.00000
DC08	Dust Collector 8	$PM_{2.5}$	24-hour	0.02070
			Annual	0.02070
		PM_{10}	24-hour	0.07350
		NOx	1-hour	0.00000
			Annual	0.00000
GENGEN	Generac emergency generator	$PM_{2.5}$	24-hour	0.01125[c]
			Annual	0.01541
		PM_{10}	24-hour	0.01125[c]
		NOx	1-hour	Not Modeled[b]
			Annual	0.10601
CATGEN	Emergency caterpillar generator	$PM_{2.5}$	24-hour	0.00289[c]
			Annual	0.00396
		PM_{10}	24-hour	0.00289[c]
		NOx	1-hour	Not Modeled[b]
			Annual	0.14874
FARR05	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.02514

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.02514
		PM_{10}	24-hour	0.08927
		NOx	1-hour	0.00000
			Annual	0.00000
FARR06	FARR cartridge dust collector	$PM_{2.5}$	24-hour	0.02514
			Annual	0.02514
		PM_{10}	24-hour	0.08927
		NOx	1-hour	0.00000
			Annual	0.00000
DRYER1A	Seed dryer	$PM_{2.5}$	24-hour	0.00765
			Annual	0.00765
		PM_{10}	24-hour	0.00765
		NOx	1-hour	0.14208
			Annual	0.14208
DRYER1B	Seed Dryer	$PM_{2.5}$	24-hour	0.00765
			Annual	0.00765
		PM_{10}	24-hour	0.00765
		NOx	1-hour	0.14208
			Annual	0.14208
HEAT03	Building A Heater 01	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT04	Building A Heater 02	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
HEAT05	Building A Heater 03 (ADP)	$PM_{2.5}$	24-hour	0.00046
			Annual	0.00046
		PM_{10}	24-hour	0.00046
		NOx	1-hour	0.00852
			Annual	0.00852
HEAT06	Building A Heater 04	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT07	Building A Heater 5	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT08	Building A Heater 06	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT09	Building G Heater 01	$PM_{2.5}$	24-hour	0.00149
			Annual	0.00149
		PM_{10}	24-hour	0.00149
		NOx	1-hour	0.02770
			Annual	0.02770
HEAT10	Building G Heater 02	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.02131
HEAT11	Building H Heater 01	$PM_{2.5}$	24-hour	0.00057
			Annual	0.00057
		PM_{10}	24-hour	0.00057
		NOx	1-hour	0.01066
			Annual	0.01066
HEAT12	Building H Heater 2	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT13	Building K Heater 01	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT14	Building K Heater 02	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT15	Building K Heater 03	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT16	Building K Heater 04	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.02131
HEAT17	Building K Heater 05	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT22	Building L Heater 1	$PM_{2.5}$	24-hour	0.00057
			Annual	0.00057
		PM_{10}	24-hour	0.00057
		NOx	1-hour	0.01066
			Annual	0.01066
HEAT23	Building L Heater 02	$PM_{2.5}$	24-hour	0.00153
			Annual	0.00153
		PM_{10}	24-hour	0.00153
		NOx	1-hour	0.02842
			Annual	0.02842
HEAT24	Building L Heater 03	$PM_{2.5}$	24-hour	0.00077
			Annual	0.00077
		PM_{10}	24-hour	0.00077
		NOx	1-hour	0.01421
			Annual	0.01421
HEAT25	Building L Heater 4	$PM_{2.5}$	24-hour	0.00096
			Annual	0.00096
		PM_{10}	24-hour	0.00096
		NOx	1-hour	0.01776
			Annual	0.01776
HEAT26	Building L Heater 5	$PM_{2.5}$	24-hour	0.00096
			Annual	0.00096
		PM_{10}	24-hour	0.00096
		NOx	1-hour	0.01776

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.01776
HEAT29	Building M Greenhouse Heater 1	$PM_{2.5}$	24-hour	0.00149
			Annual	0.00149
		PM_{10}	24-hour	0.00149
		NOx	1-hour	0.02770
			Annual	0.02770
HEAT30	Building M Greenhouse Heater 2	$PM_{2.5}$	24-hour	0.00149
			Annual	0.00149
		PM_{10}	24-hour	0.00149
		NOx	1-hour	0.02770
			Annual	0.02770
HEAT27	Building L Heater 6	$PM_{2.5}$	24-hour	0.00096
			Annual	0.00096
		PM_{10}	24-hour	0.00096
		NOx	1-hour	0.01776
			Annual	0.01776
HEAT28	Building L Heater 7	$PM_{2.5}$	24-hour	0.00077
			Annual	0.00077
		PM_{10}	24-hour	0.00077
		NOx	1-hour	0.01421
			Annual	0.01421
HVAC01	Building A HVAC 01	$PM_{2.5}$	24-hour	0.00069
			Annual	0.00069
		PM_{10}	24-hour	0.00069
		NOx	1-hour	0.01279
			Annual	0.01279
HVAC02	Building A HVAC 02	$PM_{2.5}$	24-hour	0.00069
			Annual	0.00069
		PM_{10}	24-hour	0.00069

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		NOx	1-hour	0.01279
			Annual	0.01279
HVAC03	Building L HVAC 1	$PM_{2.5}$	24-hour	0.00055
			Annual	0.00055
		PM_{10}	24-hour	0.00055
		NOx	1-hour	0.01023
			Annual	0.01023
HVAC04	Building L HVAC 2	$PM_{2.5}$	24-hour	0.00055
			Annual	0.00055
		PM_{10}	24-hour	0.00055
		NOx	1-hour	0.01023
			Annual	0.01023
HVAC05	Building L HVAC 03	$PM_{2.5}$	24-hour	0.00055
			Annual	0.00055
		PM_{10}	24-hour	0.00055
		NOx	1-hour	0.01023
			Annual	0.01023
HVAC06	Building L HVAC 04	$PM_{2.5}$	24-hour	0.00055
			Annual	0.00055
		PM_{10}	24-hour	0.00055
		NOx	1-hour	0.01023
			Annual	0.01023
HVAC12	Building P HVAC 01	$PM_{2.5}$	24-hour	0.00191
			Annual	0.00191
		PM_{10}	24-hour	0.00191
		NOx	1-hour	0.03552
			Annual	0.03552
HVAC13	Building P HVAC 02	$PM_{2.5}$	24-hour	0.00270
			Annual	0.00270
		PM_{10}	24-hour	0.00270

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		NOx	1-hour	0.05015
			Annual	0.05015
HVAC14	Building P HVAC 03	$PM_{2.5}$	24-hour	0.00270
			Annual	0.00270
		PM_{10}	24-hour	0.00270
		NOx	1-hour	0.05015
			Annual	0.05015
HVAC15	Building P HVAC 04	$PM_{2.5}$	24-hour	0.00270
			Annual	0.00270
		PM_{10}	24-hour	0.00270
		NOx	1-hour	0.05015
			Annual	0.05015
HVAC16	Building P HVAC 05	$PM_{2.5}$	24-hour	0.00270
			Annual	0.00270
		PM_{10}	24-hour	0.00270
		NOx	1-hour	0.05015
			Annual	0.05015
HVAC17	Building P HVAC 06	$PM_{2.5}$	24-hour	0.00034
			Annual	0.00034
		PM_{10}	24-hour	0.00034
		NOx	1-hour	0.00639
			Annual	0.00639
HVAC18	Building P HVAC 07	$PM_{2.5}$	24-hour	0.00034
			Annual	0.00034
		PM_{10}	24-hour	0.00034
		NOx	1-hour	0.00639
			Annual	0.00639
HVAC19	Building P HVAC 08	$PM_{2.5}$	24-hour	0.00034
			Annual	0.00034
		PM_{10}	24-hour	0.00034

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		NOx	1-hour	0.00639
			Annual	0.00639
HVAC20	Building P HVAC 09	$PM_{2.5}$	24-hour	0.00034
			Annual	0.00034
		PM_{10}	24-hour	0.00034
		NOx	1-hour	0.00639
			Annual	0.00639
HVAC21	building N HVAC 01 (Big)	$PM_{2.5}$	24-hour	0.00138
			Annual	0.00138
		PM_{10}	24-hour	0.00138
		NOx	1-hour	0.02557
			Annual	0.02557
HVAC22	Building N HVAC 02	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC23	Building N HVAC 03	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC24	Building N HVAC 04 (Big)	$PM_{2.5}$	24-hour	0.00138
			Annual	0.00138
		PM_{10}	24-hour	0.00138
		NOx	1-hour	0.02557
			Annual	0.02557
HVAC25	Building N HVAC 05	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC26	Building N HVAC 06	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC27	Building N HVAC 07	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC28	Building N HVAC 08	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC29	Building N HVAC 09	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC30	Building N HVAC 10	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HEAT18	Building K Heater 6	$PM_{2.5}$	24-hour	0.00115
			Annual	0.00115

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
		PM_{10}	24-hour	0.00115
		NOx	1-hour	0.02131
			Annual	0.02131
HEAT19	Building K Heater 7	$PM_{2.5}$	24-hour	0.00061
			Annual	0.00061
		PM_{10}	24-hour	0.00061
		NOx	1-hour	0.01137
			Annual	0.01137
HEAT20	Building K Heater 8	$PM_{2.5}$	24-hour	0.00061
			Annual	0.00061
		PM_{10}	24-hour	0.00061
		NOx	1-hour	0.01137
			Annual	0.01137
HEAT21	Building K Heater 9	$PM_{2.5}$	24-hour	0.00061
			Annual	0.00061
		PM_{10}	24-hour	0.00061
		NOx	1-hour	0.01137
			Annual	0.01137
HVAC07	Building M HVAC 1	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC08	Building M HVAC 02	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC09	Building M HVAC 03	$PM_{2.5}$	24-hour	0.00088

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC10	Building M HVAC 04	$PM_{2.5}$	24-hour	0.00088
			Annual	0.00088
		PM_{10}	24-hour	0.00088
		NOx	1-hour	0.01634
			Annual	0.01634
HVAC11	Building M HVAC 05	$PM_{2.5}$	24-hour	0.00270
			Annual	0.00270
		PM_{10}	24-hour	0.00270
		NOx	1-hour	0.05015
			Annual	0.05015
DRYER02	seed dryer (K)	$PM_{2.5}$	24-hour	0.01102
			Annual	0.00302
		PM_{10}	24-hour	0.01102
		NOx	1-hour	0.20459
			Annual	0.05605
DRYER03	seed dryer (l)	$PM_{2.5}$	24-hour	0.00551
			Annual	0.00151
		PM_{10}	24-hour	0.00551
		NOx	1-hour	0.10230
			Annual	0.02803
HEAT01	Space Heater(s) (Q) 2 heaters	$PM_{2.5}$	24-hour	0.01530
			Annual	0.00105
		PM_{10}	24-hour	0.01530
		NOx	1-hour	0.28415

Table 6. MODELED EMISSIONS RATES FOR SIL ANALYSES				
Source ID	**Source Description**	**Pollutant**	**Averaging Period**	**Emissions[a] (lb/hr)**
			Annual	0.01945
HEAT02	Space heaters (L) 4 heaters	$PM_{2.5}$	24-hour	0.00765
			Annual	0.00765
		PM_{10}	24-hour	0.00765
		NOx	1-hour	0.14208
			Annual	0.14208
DRYER4A	Seed Dryer (Vents through FARR03)	$PM_{2.5}$	24-hour	0.00765
			Annual	0.00765
		PM_{10}	24-hour	0.00765
		NOx	1-hour	0.14208
			Annual	0.14208
DRYER4B	Seed Dryer (Vents through FARR04)	$PM_{2.5}$	24-hour	0.01148
			Annual	0.01148
		PM_{10}	24-hour	0.01148
		NOx	1-hour	0.21311
			Annual	0.21311

[a.] Pound/hour emissions rate modeled is the facility-wide potential/allowable emissions for the averaging period specified for the pollutant.

[b] Per the Idaho Modeling Guideline, emergency generators are not included in modeling for 1-hour NO_2.

[c] Assuming that emergency generators can operate a maximum of 1 hour per day, maximum hourly emissions were divided by 24 to obtain the 24-hour emission rate for the model.

___X__Emissions rates in Table 6 are identical to those in the model input files for SIL analyses.

___X__Calculation of modeled emissions are thoroughly documented in this section, and any unique handling of emissions in the model have been described. (See detailed PTE calculations in the Emissions Estimates in Appendix D of the PTC Modification Application)

4.1.2 Modeled Emissions Rates for Cumulative Impact Analyses

The same criteria pollutant emissions rates provide in Table 6 were used in both the SIL and the cumulative NAAQS impact analyses.

___X__Emissions rates for the cumulative NAAQS impact analysis are identical to those in the SIL analysis provided in Table 6 and identical to the model input files for the cumulative NAAQS impact analyses.

___X__Calculation of modeled emissions are thoroughly documented in this section (unless already described in Section 4.1.1), and any unique handling of emissions in the model have been described.

4.1.3 NO_2/NO_x Ratio for NOx Chemistry Modeling

For comparison to the NAAQS in the cumulative analysis, NO_2 modeling followed the three-tiered approach described in Section 5.2.4 of Appendix W (40 CFR Part 51) and the EPA memo *Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard* (September 30, 2014). The second-tier Ambient Ratio Method 2 (ARM2) method was used to convert the ambient modeled concentration from NO_X to NO_2 for comparison to the NAAQS standard. The facility site meets the three criteria for appropriate use of ARM2:

- The area around the Project site has ozone levels that are not persistently above approximately 80-90 ppb.
- The initial modeling indicates that the Project will be below the NO_x impact threshold for areas with low ozone background concentrations.
- The majority of sources are expected to have an in-stack ratio (ISR) of NO2/NOX below 0.2.

The default maximum NO_2/NO_X ratio of 0.9 (for low levels of NO_x) and a conservative minimum ratio of 0.5 (for high levels of NO_X) were used to ensure that modeling remains conservative.

Since the project is under the NAAQS when cumulative impacts modeled using ARM2 are added to background, Tier 3 modeling using OLM or PVMRM was not necessary.

4.1.4 Special Methods for Modeling Criteria Pollutant Emissions

The emission rate flag option was used for the hourly, daily, and monthly modeling for several emission sources that are not operated on a continuous basis. Emission rates for all other equipment were based on continuous (8760 hours/year) operation.

Seed dryers DRYER3 and DRYER2, which each operate a maximum of 200 hours per month, were modeled as operational on Mondays and Tuesdays throughout the year. HEAT01, which operates a maximum of 100 hours per month between August 1 and January 31, was modeled as operational on Mondays during the months of August - January. This approach incorporates weekly emissions profiles that accurately reflect the use of these intermittent sources throughout the year and demonstrates compliance with proposed monthly permit conditions. This method ensures the ambient air impact captures 24-hour use of the dryer and covers a random selection of days that exceed the maximum use documented over the last five years. The model accounts for typical meteorological conditions for all

hours of the day in all seasons, while also capturing the intermittency of the proposed operational schedule.

The proposed operational schedule was determined using the maximum hours per month the dryers have been in operation over the past five years (260 hours for both dryers, or 130 hours for each dryer). This proportion of hours (17.5% of the hours in October) was multiplied by seven to yield the number of days in a week the dryers typically operated (1.22 days). This number was rounded up to the next whole number (2) and the dryers were modeled as operational each week for that number of days, beginning with Monday (which was randomly chosen). This method covers a total of 208 hours per month, which is a higher than the requested number of permitted hours of operation for the dryers. A similar procedure was followed for HEAT01, which operates up to 100 hours per month.

Table 7. PROPOSED PERMIT CONDITIONS AND MODELING EMISSIONS PROFILES FOR DRYER2, DRYER3, and HEAT01

	Modeling Conditions (Weekly emissions profile)	**Monthly use modeled (hours)[a]**	**Proposed monthly permit limit (hours)**	**Proposed annual use based on permit limit (hours)[b]**	**Proposed permit condition**
HEAT01	Operates all hours Monday only, August - January	108	100	600	Operates a maximum of 100 hours per month, operates only August 1 - January 31
DRYER2	Operates all hours Monday and Tuesday, all months	208	200	2400	Operates a maximum of 200 hours/month
DRYER3	Operates all hours Monday and Tuesday, all months	208	200	2400	Operates a maximum of 200 hours/month

[a] weeks per year in use * hours per week in use / months per year in use

[b] monthly permit limit * months per year in use

An analysis for the continuous operation scenario was also performed in this report.

4.2 Toxic Air Pollutants

As explained in section 3.3, none of the facility-wide PTE emission estimates for TAPs exceeds the ELs provided in IDAPA 58.01.01.585 or 586. Therefore, no modeling was required for these pollutants.

__n/a__TAP emissions rates have been listed for each TAP that has project cumulative emissions exceeding the applicable EL.

__n/a__Emissions rates in Table 6 are identical to those in the model input file for TAP analyses.

4.3 Emissions Release Parameters

Table 8 lists stack parameters for point sources and Table 9 lists release parameters for volume and area sources. Stack parameters were derived from manufacturer specifications or site knowledge from Nunhems facility maintenance personnel (where manufacturer information is not available) and are based on typical operating conditions. Stack emission release parameters for the sources are identified Table 7.

Stack parameters were previously verified for all stationary sources as documented in the IDEQ SOB for PTC No. P-2015.0017 dated June 9, 2016. Manufacturer information is provided in Appendix B of the PTC Modification Application. For this PTC Modification application, stack parameters have been updated for the following sources: DRYER2, DRYER3, FARR03, FARR04, DRYER4A, and DRYER4B. Calculations supporting the selection of stack parameters for these four stacks are detailed in Appendix A of this Modeling Report.

DRYER2 and DRYER3 are both long, low sources with heated emissions. Because characterization of this source as a volume source in AERMOD would not account for the plume rise that will occur due to the elevated temperature, these dryers have been modeled as point sources. The pseudo-stack properties used are shown in Table 8. Stack velocities have been determined using the flow rate from the fan specification sheet in Appendix A and pseudo stack parameters/vent counts shown in Figure 4 and

Figure 5. Figure 4 and Figure 5 show each of the dryers and the representative diameter calculation for the pseudo point source for use in AERMOD. This approach is considered conservative since during operation, seeds will be covering the vents, leading to a higher exhaust velocity and dispersion.

Figure 4. Dryer 2 Configuration

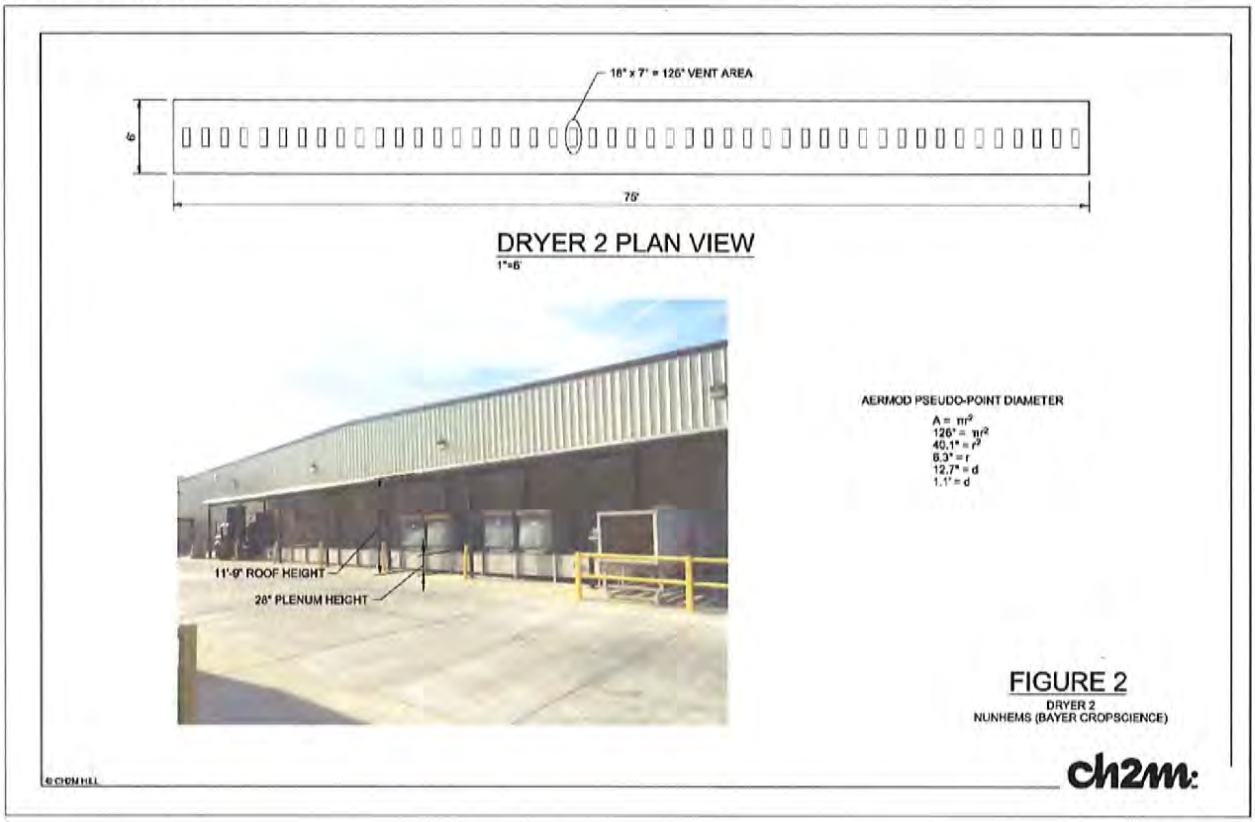
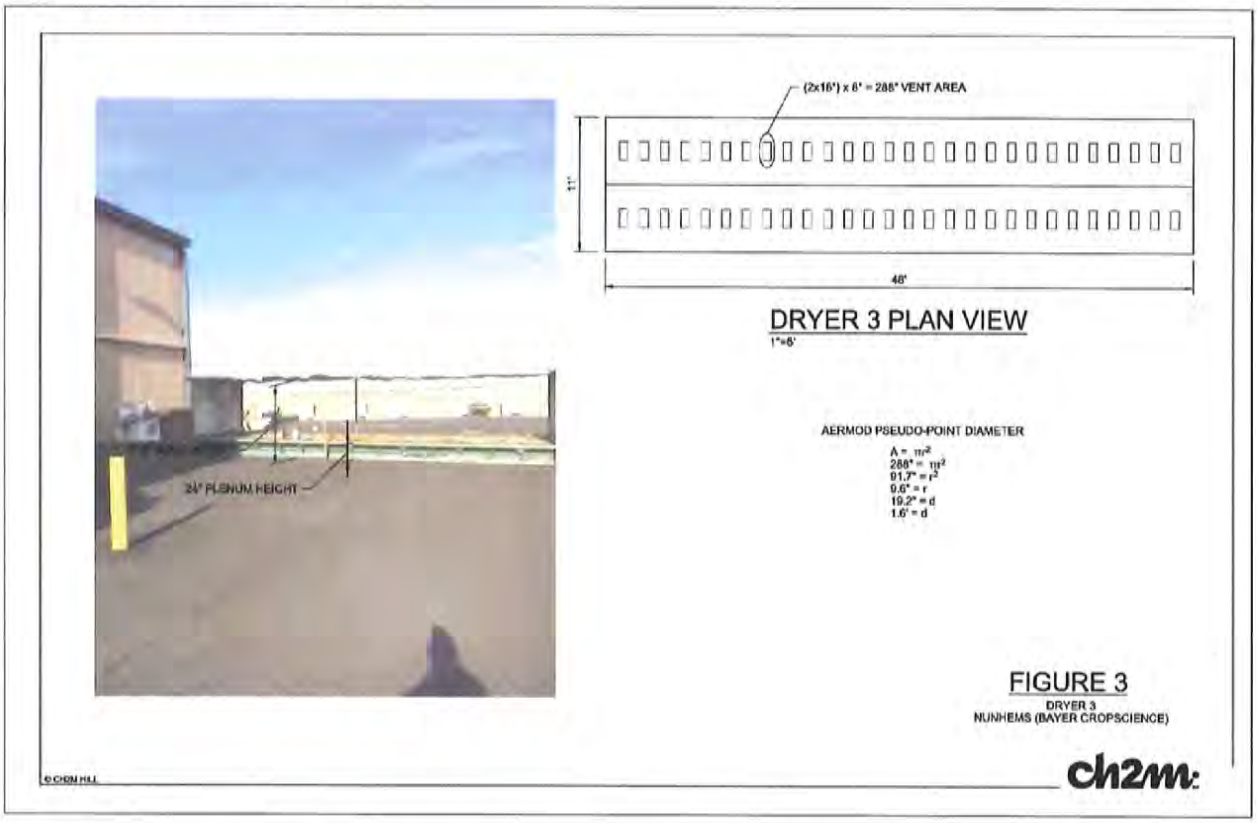


Figure 5. Dryer 3 Configuration



DRYER4A and DRYER4B vent through the cartridge collectors FARR03 and FARR04, respectively. These two stacks, previously modeled as horizontal sources, will be fitted with 90-degree elbows such that they are now best represented by vertical, non-raincapped stacks. The dryer emissions are heated and have an associated velocity. Stack temperature and velocity for DRYER4A and DRYER4B have been calculated from the manufacturer's listed flow rate and temperature rise and the field-measured stack diameters. Because the dryers will not be running at all times, FARR03 and FARR04 are modeled as separate sources. Manufacturer's data is not available for FARR03 and FARR04, so these sources have been modeled with their own conservative stack parameters (velocity = 0.001 m/s, stack temperature = 296K).

Table 8. POINT SOURCE STACK PARAMETERS

Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
CATGEN	Caterpillar Gen	503,760.0	4,857,808.0	3.4	729.8	58.0055	0.18	Vertical, Flapper
CUMGEN	Cummins Gen	504,002.5	4,857,999.4	4.6	763.7	43.8981	0.41	Vertical, Flapper
GENGEN	Generac Gen	503,994.0	4,857,784.0	1.5	783.2	49.3741	0.08	Vertical, Flapper
DC01	Dust Collector 1	504,094.2	4,857,951.7	8.2	296.0	0.0010	1.30	Horizontal
DC02	Dust Collector 2	504,093.5	4,857,939.0	8.2	296.0	0.0010	1.30	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
DC03	Dust Collector 3	504,094.5	4,857,923.5	8.2	317.2	0.0010	1.30	Horizontal
DC04	Dust Collector 4	504,103.5	4,857,896.0	8.2	317.2	0.0010	1.02	Horizontal
DC05	Dust Collector 5	504,108.9	4,857,896.0	8.2	296.0	0.0010	0.99	Horizontal
DC06	Dust Collector 6	504,114.4	4,857,895.5	8.2	296.0	0.0010	1.30	Horizontal
DC07	Dust Collector 7	504,125.4	4,857,896.5	8.2	296.0	0.0010	0.52	Horizontal
DC08	Dust Collector 8	504,133.9	4,857,894.5	8.2	296.0	0.0010	1.30	Horizontal
FARR01	Cartridge Collector 1	504,009.0	4,857,932.0	9.1	296.0	0.0010	0.46	Horizontal
FARR02	Cartridge Collector 2	504,013.0	4,857,933.0	9.0	296.0	0.0010	0.46	Horizontal
FARR03	Cartridge Collector 3[1]	504,039.0	4,857,934.0	9.1	296.0	0.0010	0.46	Horizontal
FARR04	Cartridge Collector 4[2]	504,054.0	4,857,934.0	9.1	296.0	0.0010	0.46	Horizontal
FARR05	Cartridge Collector 5	504,083.9	4,857,857.0	6.6	296.0	0.0010	0.46	Horizontal
FARR06	Cartridge Collector 6	504,084.0	4,857,861.0	6.6	296.0	0.0010	0.46	Horizontal
MRBH	Murphy Rodgers BH	504,034.0	4,857,990.9	9.1	296.0	0.0010	0.30	Horizontal
HERD01	Herding Filtration 1	504,073.5	4,857,978.4	5.4	296.0	0.0010	0.64	Horizontal
HERD02	Herding Filtration 2	504,074.0	4,857,954.9	8.3	296.0	0.0010	0.76	Horizontal
DRYER1A	Seed Dryer 1A	504,017.5	4,857,983.4	9.1	317.2	24.5338	0.46	Vertical, Raincap
DRYER1B	Seed Dryer 1B	504,021.5	4,857,983.4	9.1	317.2	19.4551	0.46	Vertical, Raincap
DRYER2	Seed Dryer	504025.6	4857913.9	3.4	310.9	4.4697	0.34	Vertical, Raincap
DRYER3	Seed Dryer	504105.4	4857832.9	2.7	310.9	0.9813	0.49	Vertical, Raincap
DRYER4A	Seed Dryer 4A[1]	504039.0	4857934.0	9.1	334.8	32.7667	0.46	Vertical
DRYER4B	Seed Dryer 4B[2]	504054.0	4857934.0	9.1	334.8	49.1500	0.46	Vertical
HEAT03	Building A Heater 01 (Modine, 150K BTU)	503,903.8	4,857,891.9	5.5	334.3	0.0010	0.10	Horizontal
HEAT04	Building A Heater 02 (Modine, 150K BTU)	503,894.4	4,857,864.5	5.5	334.3	0.0010	0.10	Horizontal
HEAT05	Building A Heater 03 (ADP, 60K BTU)	503,926.7	4,857,864.7	5.5	328.7	0.0010	0.10	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
HEAT06	Building A Heater 04 (Modine, 150K BTU)	503,894.5	4,857,841.2	5.5	334.3	0.0010	0.10	Horizontal
HEAT07	Building A Heater 05 (Modine, 150K BTU)	503,918.2	4,857,834.8	6.7	334.3	34.9975	0.10	Vertical, Raincap
HEAT08	Building A Heater 06 (Modine, 150K BTU)	503,917.0	4,857,814.6	9.8	334.3	34.9975	0.10	Vertical, Raincap
HEAT09	Building G Heater 01 (Lennox, 195K BTU)	504,055.1	4,857,807.7	5.2	334.3	0.0010	0.13	Horizontal
HEAT10	Building G Heater 02 (Modine, 150K BTU)	504,077.5	4,857,807.7	5.2	334.3	0.0010	0.10	Horizontal
HEAT11	Building H Heater 01 (Modine, 75K BTU)	504,053.4	4,857,856.0	5.2	334.3	0.0010	0.15	Horizontal
HEAT12	Building H Heater 02 (Modine, 150K BTU)	504,032.8	4,857,856.0	5.2	334.3	0.0010	0.10	Horizontal
HEAT13	Building K Heater 01 (Modine, 150K BTU)	504,068.3	4,857,855.9	4.3	334.3	0.0010	0.10	Horizontal
HEAT14	Building K Heater 02 (Modine, 150K BTU)	504,042.1	4,857,875.9	7.3	334.3	0.0010	0.10	Horizontal
HEAT15	Building K Heater 03 (Modine, 150K BTU)	504,022.8	4,857,875.9	7.3	334.3	0.0010	0.10	Horizontal
HEAT16	Building K Heater 04 (Modine, 150K BTU)	504,011.2	4,857,906.8	6.4	334.3	0.0010	0.10	Horizontal
HEAT17	Building K Heater 05 (Modine, 150K BTU)	504,049.5	4,857,914.2	6.4	334.3	0.0010	0.10	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
HEAT18	Building K Heater 06 (Modine, 150K BTU)	504,076.6	4,857,898.6	5.8	334.3	34.9975	0.10	Vertical, Raincap
HEAT19	Building K Heater 07 (Enerco, 80K BTU)	504,074.4	4,857,894.8	5.8	329.3	18.6653	0.10	Vertical, Raincap
HEAT20	Building K Heater 08 (Enerco, 80K BTU)	504,074.4	4,857,888.9	5.8	329.3	18.6653	0.10	Vertical, Raincap
HEAT21	Building K Heater 09 (Enerco, 80K BTU)	504,074.4	4,857,882.1	5.8	329.3	18.6653	0.10	Vertical, Raincap
HEAT22	Building L Heater 01 (Reznor, 75K BTU)	504,046.7	4,857,950.6	8.5	329.3	5.9000	0.13	Vertical, Raincap
HEAT23	Building L Heater 02 (Reznor, 200K BTU)	504,030.4	4,857,942.6	8.5	329.3	6.2000	0.20	Vertical, Raincap
HEAT24	Building L Heater 03 (Reznor, 100K BTU)	504,022.7	4,857,976.1	8.5	329.3	6.9000	0.15	Vertical, Raincap
HEAT25	Building L Heater 04 (Reznor, 125K BTU)	504,006.9	4,857,984.2	8.5	329.3	6.8000	0.18	Vertical, Raincap
HEAT26	Building L Heater 05 (Reznor, 125K BTU)	504,001.6	4,857,939.0	8.5	329.3	6.8000	0.18	Vertical, Raincap
HEAT27	Building L Heater 06 (Reznor, 125K BTU)	503,980.8	4,857,984.2	8.5	329.3	6.8000	0.18	Vertical, Raincap
HEAT28	Building L Heater 07 (Reznor, 100K BTU)	504,058.7	4,857,983.6	8.5	329.3	6.9000	0.15	Vertical, Raincap
HEAT29	Building M Heater 01 (Lennox, 195K BTU)	503,943.6	4,857,921.8	4.4	334.3	0.0010	0.13	Horizontal
HEAT30	Building M Heater 02 (Lennox, 195K BTU)	503,933.0	4,857,921.8	4.4	334.3	0.0010	0.13	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
HVAC01	Building A HVAC 01 (Goodman, 90K BTU)	503,918.6	4,857,855.0	6.7	334.3	20.9985	0.10	Vertical, Raincap
HVAC02	Building A HVAC 02 (Goodman, 90K BTU)	503,918.0	4,857,852.5	6.7	334.3	20.9985	0.10	Vertical, Raincap
HVAC03	Building L HVAC 01 (Carrier, 80K BTU)	503,988.4	4,857,946.2	8.5	323.2	28.1669	0.05	Vertical, Raincap
HVAC04	Building L HVAC 02 (Carrier, 80K BTU)	503,988.3	4,857,947.3	8.5	323.2	28.1669	0.05	Vertical, Raincap
HVAC05	Building L HVAC 03 (Carrier, 80K BTU)	503,987.7	4,857,947.4	8.5	323.2	28.1669	0.05	Vertical, Raincap
HVAC06	Building L HVAC 04 (Carrier, 80K BTU)	503,987.9	4,857,947.9	8.5	323.2	28.1669	0.05	Vertical, Raincap
HVAC07	Building M HVAC 01 (Carrier, 115K BTU)	503,931.6	4,857,945.5	5.3	334.3	0.0010	0.08	Horizontal
HVAC08	Building M HVAC 02 (Carrier, 115K BTU)	503,923.9	4,857,945.5	5.3	334.3	0.0010	0.08	Horizontal
HVAC09	Building M HVAC 03 (Carrier, 115K BTU)	503,923.8	4,857,951.7	5.3	334.3	0.0010	0.08	Horizontal
HVAC10	Building M HVAC 04 (Carrier, 115K BTU)	503,933.4	4,857,951.7	5.3	334.3	0.0010	0.08	Horizontal
HVAC11	Building M HVAC 05 (Cambridge, 353K BTU)	503,919.4	4,857,953.4	5.3	344.3	1.1117	1.00	Vertical, Raincap
HVAC12	Building P HVAC 01 (Modine, 250K BTU)	504,118.2	4,857,966.9	11.6	353.7	0.0010	0.02	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
HVAC13	Building P HVAC 02 (Cambridge, 353K BTU)	504,124.4	4,857,944.0	10.1	344.3	0.0010	0.02	Horizontal
HVAC14	Building P HVAC 03 (Cambridge, 353K BTU)	504,159.8	4,857,940.9	10.1	344.3	0.0010	0.02	Horizontal
HVAC15	Building P HVAC 04 (Cambridge, 353K BTU)	504,127.9	4,857,908.2	10.1	344.3	0.0010	0.02	Horizontal
HVAC16	Building P HVAC 05 (Cambridge, 353K BTU)	504,163.3	4,857,902.4	10.1	344.3	0.0010	0.02	Horizontal
HVAC17	Building P HVAC 06 (York, 45K BTU)	504,178.9	4,857,916.1	10.1	323.2	0.0010	0.02	Horizontal
HVAC18	Building P HVAC 07 (York, 45K BTU)	504,179.9	4,857,912.7	10.1	323.2	0.0010	0.02	Horizontal
HVAC19	Building P HVAC 08 (York, 45K BTU)	504,179.2	4,857,910.4	10.1	323.2	0.0010	0.02	Horizontal
HVAC20	Building P HVAC 09 (York, 45K BTU)	504,182.1	4,857,905.6	10.1	323.2	0.0010	0.02	Horizontal
HVAC21	Building N HVAC 01 (Carrier, 180K BTU)	503,705.3	4,858,023.0	6.1	339.8	0.0010	0.02	Horizontal
HVAC22	Building N HVAC 02 (Carrier, 115K BTU)	503,711.0	4,858,010.0	6.1	334.3	0.0010	0.02	Horizontal
HVAC23	Building N HVAC 03 (Carrier, 115K BTU)	503,718.0	4,858,016.3	6.1	334.3	0.0010	0.02	Horizontal
HVAC24	Building N HVAC 04 (Carrier, 180K BTU)	503,717.6	4,857,997.8	6.1	339.8	0.0010	0.02	Horizontal
HVAC25	Building N HVAC 05 (Carrier, 115K BTU)	503,727.3	4,858,007.9	6.1	334.3	0.0010	0.02	Horizontal

Table 8. POINT SOURCE STACK PARAMETERS								
Release Point	Description	UTM(a) Coordinates Easting-X (m)	UTM(a) Coordinates Northing-Y (m)	Stack Height (m)	Stack Gas Flow Temp. (K)	Stack Gas Flow Velocity (m/sec)	Modeled Stack Diameter (m)	Orient. Of Release
HVAC26	Building N HVAC 06 (Carrier, 115K BTU)	503,731.0	4,857,996.3	6.1	334.3	0.0010	0.02	Horizontal
HVAC27	Building N HVAC 07 (Carrier, 115K BTU)	503,733.0	4,857,998.0	6.1	334.3	0.0010	0.02	Horizontal
HVAC28	Building N HVAC 08 (Carrier, 115K BTU)	503,732.0	4,857,993.0	6.1	334.3	0.0010	0.02	Horizontal
HVAC29	Building N HVAC 09 (Carrier, 115K BTU)	503,731.3	4,857,985.4	6.1	334.3	0.0010	0.02	Horizontal
HVAC30	Building N HVAC 10 (Carrier, 115K BTU)	503,741.0	4,857,993.4	6.1	334.3	0.0010	0.02	Horizontal

[1] Point source Seed Dryer 4A vents from the same stack as Cartridge Collector FARR03.
[2] Point source Seed Dryer 4B vents from the same stack as Cartridge Collector FARR04.

Table 9. VOLUME AND AREA SOURCE RELEASE PARAMETERS						
Source	Description	Easting	Northing	Release Height [3] (m)	Initial Vertical Dimension [4] (m)	Initial Horizontal Dimension[5] (m)
HEAT01	BLDG Q Heaters	504,135.50	4,857,833.00	3.05	3.76	1.42
HEAT02	BLDG L Heaters	504,047.00	4,857,932.70	3.05	2.41	1.42

[3] Height of building or middle of exhaust vents if horizontal exhaust
[4] Release height divided by 2.15
[5] Effective width of source divided by 4.3

__X_ Thorough justification/documentation of release parameters for all modeled sources is provided in this section.

__X__The specific methods used to determine/calculate given release parameters is described in this section.

__X__The release orientation of all point source stacks (horizontal, rain-capped, or uninterrupted vertical release) has been verified and is documented in this section.

5.0 Modeling Methodology

Table 10 summarizes the key modeling parameters used in the impact analyses.

Table 10. MODELING PARAMETERS

Parameter	Description/Values	Documentation/Addition Description
General Facility Location	Parma, Payette County, ID	Payette County is in attainment for all pollutants.
Model	AERMOD	AERMOD with the PRIME downwash algorithm, version 15181.
Meteorological Data	5 years of surface data and 5 years of upper air data from Boise, ID Station ID:24131	The meteorological model input files for this project were developed by DEQ. See Section 5.2 of this memorandum for additional details of the meteorological data.
Terrain	Considered	3-dimensional receptor coordinates were obtained from USGS National Elevation Dataset (NED) files and were used to establish elevation of ground level receptors. AERMAP was used to determine each receptor elevation and hill height scale.
Building Downwash	Considered	Plume downwash was considered for the structures associated with the facility. BPIP-PRIME was used to evaluate building dimensions for consideration of downwash effects in AERMOD.
NO_x Chemistry	ARM2	The Tier 2 option, ARM2 was used for the 1-hour NO_2 NAAQS analysis.
Receptor Grid	Significant Impact Analyses	
	Grid 1	Discrete receptors 25 meters around, out to100 meters from the property line
	Grid 2	A 100-meter grid extended approximately 1 kilometer.
	Grid 3	A 500-meter grid extended approximately 5 kilometers.

	NAAQS Analyses
	Only receptors with preliminary modeled values greater than the SIL were used to create the refined receptor grid for NAAQS analysis
	TAPs Analyses
	TAP modeling was not required. See section 4.2 for explanation.

5.1 Model Selection

The EPA-approved AERMOD (Version 15181) model was used. AERMOD was run with the following options:

- Regulatory default options, with the following exceptions:
  - Use of the Tier 2 methods for NO_2 chemistry
  - Beta algorithms used for horizontal and rain-capped point sources
- Direction-specific building downwash,
- Actual receptor elevations and hill height scales,
- Complex/intermediate terrain algorithms

__X__The current versions of all models and associated programs were used in analyses, or alternate versions were specifically approved by DEQ.

__X___Any non-default model options used were approved by DEQ in advance.

5.2 Meteorological Data

Model-ready, AERMET-processed (version 15181) Boise meteorological data was supplied to CH2M by IDEQ on April 25, 2016. This data was used in the air impact analyses. See AERMET_DEQ file on attached CD for meteorological data.

__X__Meteorological data files are provided with the application.

__n/a__If meteorological data used for modeling were not provided by DEQ, then a detailed discussion of the data is provided along with documentation of the processing steps.

5.3 Effects of Terrain

AERMAP (Version 11103) was used to process terrain elevation data for all sources, buildings and receptors using National Elevation Dataset files prepared by the USGS. AERMAP first determines the base elevation at each source and receptor. For complex terrain situations, AERMOD captures the physics

of dispersion and creates elevation data for the surrounding terrain identified by a parameter called hill height scale. AERMAP creates hill height scale by searching for the terrain height and location that has the greatest influence on dispersion for each individual source and receptor. Both the base elevation and hill-height scale data are produced for each receptor by AERMAP as a file or files that can be directly accessed by AERMOD.

All receptors and source locations will be expressed in the Universal Transverse Mercator North American Datum 1983 (NAD83).

__X___The datum of terrain data, building corner locations, emissions sources, and the ambient air boundary are specified and are consistent such that the modeled plot plan accurately represents the facility and surroundings.

5.4 Facility Layout

A scaled facility plot plan showing source locations (blue dots), building footprints, and the ambient air boundary used in modeling is shown in Figure 6. The source locations were verified during a site visit.

There are no new emission points or buildings proposed. Refer to Figure 1.

__X___The facility layout plot plan is provided in this section that clearly and accurately depicts buildings, emissions points, and the ambient air boundary.

__X___This section of the Modeling Report has thoroughly described how locations of emissions sources, building corners, and the ambient air boundary were determined, specifying the datum used.

5.5 Effects of Building Downwash

Plume downwash was considered for the structures associated with the facility. BPIP-PRIME was used to evaluate building dimensions for consideration of downwash effects in AERMOD.

5.6 Ambient Air Boundary

Public access to the area within the ambient air boundary used in modeling is precluded by a fence surrounding the facility.

_n/a___If any of the following apply, the effect on areas excluded from ambient air is thoroughly described in this section: a river/stream bisecting the facility; the facility is on leased property or is leasing property to another entity; the facility is not completely fenced; there are right-of-way areas on the facility; the nature of business is such that the general public have access to part or all of the facility.

__n/a___This section thoroughly describes how the facility can legally preclude public access (and practically preclude access) to areas excluded from ambient air in the modeling analyses.

5.7 Receptor Network

The selection of receptors in AERMOD was as follows:

- Discrete receptors 25 meters apart, extending from the property line to 100 meters out from the ambient air boundary.
- A 100-meter grid extended approximately 1 kilometer.
- A 500-meter grid extended approximately 5 kilometers.

The more-tightly spaced receptor grid used within 100 meters of the ambient air boundary was used to adequately resolve the maximum modeled concentration and confidently demonstrate compliance with applicable NAAQS, particularly where modeled impacts approach the standard. Any receptor with a modeled design value above 98% of the associated NAAQS will have a $100m^2$ grid of 10m spacing placed around it to ensure the maximum impact is captured.

U.S. Geological Survey (USGS) National Elevation Dataset (NED) terrain data were used to determine receptor elevations and terrain maxima.

__x___This section of the Modeling Report provides justification that receptor spacing used in the air impact analyses was adequate to reasonably resolve the maximum modeled concentrations to the point that NAAQS or TAP compliance is assured.

5.8 Background Concentrations

Rural background concentrations used in the NAAQS analysis for criteria air pollutants are provided in Table 11. These concentrations were generated using the Northwest AIRQUEST design value concentration tool.[1]

Table 11. BACKGROUND CONCENTRATIONS

Pollutant	1-hr	24-hr	Annual
NO_2	49 $\mu g/m^3$		5.6 $\mu g/m^3$
PM_{10}		73 $\mu g/m^3$	
$PM_{2.5}$		19 $\mu g/m^3$	7.3 $\mu g/m^3$

[1] Northwest AIRQUEST Consortium. 2009-2011 design values of criteria pollutants. http://lar.wsu.edu/nw-airquest. Accessed 6/17/2016.

__X__Background concentrations have been thoroughly documented and justified for all criteria pollutants where a cumulative NAAQS impact analysis was performed.

5.9 NO_x Chemistry

The modeling analysis for NO_X followed the EPA recommended 3-tier approach to characterize the conversion of modeled total NO_X emissions to NO_2 concentration for comparison to the NAAQS (40CFR51 Appendix W).

The Tier 1 method for NO_X to NO_2 conversion modeling assumes that the modeled emissions of NO_x will completely convert to NO_2. Because this is an overly conservative assumption, a Tier 2 modeling option, the Ambient Ratio Method 2 (ARM2), was used to determine the modeling impacts. ARM2 accounts for the conversion of NO_X to NO_2 by predicting conversion of NO to NO_2 using hourly ambient NO_x monitoring data[2]. Since the project is under the NAAQS when cumulative impacts modeled using ARM2 are added to background, Tier 3 modeling using OLM or PVMRM was not necessary.

Nunhems requests the use of the Tier 2 ARM2 method because:

- The area around the Project site has ozone levels that are not persistently above approximately 80-90 ppb.
- The initial modeling indicates that the Project will be below the NO_x impact threshold for areas with low ozone background concentrations.
- The majority of sources are expected to have an in-stack ratio (ISR) of NO_2/NO_X below 0.2.

For this facility the ARM method is overly conservative because the site has low background ozone levels and the ISR is expected to be below 0.2 for a majority of the stacks.

In September 2014, the EPA released a memorandum "Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard." In this memorandum, the EPA stated that the model evaluations of ARM2 indicate that the results from ARM2 are generally more conservative relative to the Tier 3 methods of OLM and PVMRM, which is consistent with the tiered screening approach currently recommended in Appendix W for NO_2. Additionally, the memorandum states that the analysis indicated ranges of total NO_x in which ARM2 is conservative relative to the Tier 3 methods and likely to produce more accurate NO_2/NO_x ratios compared to the ARM method. Specifically, the EPA testing and evaluation of the ARM2 method indicates that ARM2 appears to be an appropriate Tier 2 NO_2 modeling method in some cases and should be approved for usage as an alternative modeling option in these cases. These cases are as follows:

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[2] U.S. Environmental Protection Agency (EPA). 2014. *Clarification on the Use of AERMOD Dispersion Modeling for Demonstrating Compliance with the NO_2 National Ambient Air Quality Standard.* EPA Office of Air Quality Planning and Standards. Semptember 30.

1. The primary source/facility has made a demonstration that the source/facility has a NO_2/NO_x in-stack ratio (ISR) of less than 0.2 (for 95% or more of the short-term NO_x emissions).
2. The primary source/facility has made a demonstration that the total modeled NO_x from the source/facility is less than 150-200 ppb.
3. The background ozone is not persistently above approximately 80-90 ppb.

To evaluate the Facility and location as an appropriate ARM2 alternative modeling candidate, the EPA ISR database[3] was reviewed for the sources of NO_2 at the facility. The sources are primarily small propane fueled combustion sources, propane fueled seed dryers and diesel emergency generators. Over 95% of the sources from the facility are expected to have ISR's less than 0.2 NO_2/NO_x; however, there are no propane heaters listed in the EPA database. The diesel emergency generators are not included in the 1-hour NO_2 modeling, but the average ISR for diesel generators is 0.05 with over 98% under an ISR of 0.2. Since the ISR for the propane sources is not currently detailed in the EPA database, an evaluation of the second case was performed.

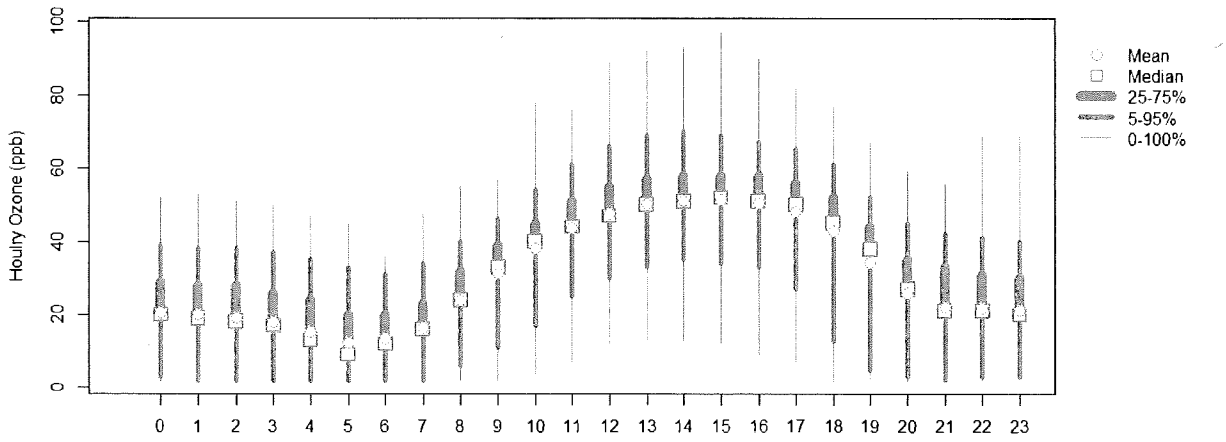
The Tier 1 (total conversion of NO_x to NO_2) results from modeling the primary source can be used to determine if the primary source is likely to have ambient impacts that are appropriately conservative when using ARM2 regardless of the ISR of the primary source. In this case, the Tier 1 H1H modeled NO_x concentration from this analysis was 306.4 $\mu g/m^3$, approximately 163 ppb. This value falls within the 50 ppb range for the upper threshold where ARM2 is acceptable regardless of the ISR of the sources. An evaluation of five years of ozone data (2002-2006) from Canyon County, ID (EPA AQS site number 16-027-0007-44201) located approximately 25 km from the Facility location was performed to evaluate the appropriateness of ARM2 without need to review source ISRs.

The review of the available data indicated that the background ozone levels in Canyon County are not persistently over the 80-90 ppb range. The available data was only collected during the high ozone season (April – October). Figure 6 shows hourly ozone concentrations for the five years of data collected by hour of day.

Hour of Day

[3] http://www.epa.gov/ttn/scram/no2_isr_database.htm

Figure 6. Hourly Ozone Concentrations for Canyon County by Hour of Day for April-October, 2002-2006



Ozone values are typically lowest in early morning hours and rise until about two or three PM and then begin to decline again. The highest ozone measurements are seen in July and they steadily decrease through the end of the ozone season in October. The yearly breakdown of the measured ozone is provided in Table 12.

Table 12. CANYON COUNTY HOURLY OZONE DATA BY YEAR

Year	Number of Measured Hours	Missing Hours	Minimum (ppb)	Maximum (ppb)	Median (ppb)	Interquartile Range (IQR)	Mean (ppb)	Standard Deviation	d50
2002	4910	1690	2.0	93.0	32.0	27.0	31.7	17.8	46.5
2003	4900	3860	2.0	83.0	31.0	30.0	31.2	18.0	41.5
2004	4767	4017	2.0	78.0	30.0	28.0	29.3	17.1	39.0
2005	3513	5247	2.0	97.0	31.0	27.0	31.3	17.2	48.5
2006	2322	3325	2.0	89.0	36.0	29.0	36.2	17.9	44.5
Total	*20412*	*18139*	*2.0*	*97.0*	*32.0*	*28.0*	*31.4*	*17.7*	*48.5*

Notes: Interquartile range (IQR) is a measure of variability

Since over 95% of the measured ozone values are below 80 ppb, and only 5 hours of the 20,412 were above 90 ppb, well below the benchmark of frequent multiple days (e.g., more than 7) with hourly ozone greater than 80-90 ppb during a typical year. Based on available data, the ozone at this site is not persistently above 80-90 ppb, indicating the background ozone should not hinder the approval of ARM2.

Both the background ozone concentration and the NO_2/NO_x ISR of the primary source are important factors in determining the conservativism of ARM2. The most recent ozone data meets the criteria to be considered low ozone. While the ISR of the sources at the facility are expected to be 0.2 or less, the lack of data on the particular source types used at the Facility, propane building heaters and propane fueled seed dryers, makes it difficult to adequately demonstrate that the primary source has ISRs that are all below 0.2. When sources have known ISRs greater than 0.2, then ARM2 may still be used, but the minimum ARM2 ratio should be adjusted to match the source's ISR. For this Facility, IDEQ

recommended adjusting the minimum ARM2 ratio to the Tier 3 ISR default of 0.5 to ensure modeling remains conservative. This value may be refined based if additional information is made available from source manufacturers test data or if additional data is made available in public ISR databases.

Based on the data described here, Nunhems meets the criteria for ARM2 usage. The modeled NO_x from the source is less than the high end of the acceptable range, approximately 190 ppb, which is the appropriate benchmark for sources in areas where background ozone is not persistently above 80-90 ppb. Additionally Nunhems will initially use ARM2 method with the default maximum NO_2/NO_X ratio of 0.9 for very low levels of NO_x and an adjusted minimum ratio of 0.5 for high levels of NO_X.

__N/A___If OLM or PVMRM was used to address NOx chemistry, reasons for selecting one algorithm over the other are provided in this section.

6.0 Results and Discussion

As described in the Modeling Protocol, the maximum predicted impacts from the facility were first compared to their respective significant impact levels (SILs). The maximum predicted impacts from the facility are above the SIL for 24-hour and annual $PM_{2.5}$, 24-hour PM_{10}, 1-hour and annual NO_2, so a refined analysis was conducted for these pollutants. The design values of the pollutant-modeled impacts were added to the ambient background values and the sum was compared to the NAAQS. The analysis shows that 1-hour and annual NO_2, 24-hour and annual $PM_{2.5}$, and 24-hour PM_{10} would not violate their respective NAAQS.

6.1 Criteria Pollutant Impact Results

The following criteria pollutant modeling results demonstrate that the proposed project will not cause or significantly contribute to a NAAQS violation.

6.1.1 Significant Impact Level Analyses

The maximum predicted impacts from the facility are above the SIL for 24-hour and annual $PM_{2.5}$, 24-hour PM_{10}, 1-hour and annual NO_2, so a refined analysis was conducted for these pollutants.

Tables 13 and 14 provide the results of the SIL analyses.

Table 13. RESULTS FOR SIGNIFICANT CONTRIBUTION ANALYSES FOR CONTINUOUS OPERATION

Pollutant	Averaging Period	Maximum Modeled Concentration ($\mu g/m^3$)[a]	Significant Contribution Level ($\mu g/m^3$)	Impact Percentage of Significant Contribution Level	Cumulative NAAQS Analysis Required
$PM_{2.5}$[b]	24-hour	14.6[g]	1.2	1216%	yes
	Annual	2.7[g]	0.3	900%	yes
PM_{10}[c]	24-hour	43.3	5	866%	yes
NO_2[d]	1-hour	333.5[g]	7.5	4447%	yes
	Annual	15.3	1	1529%	yes

[a] Micrograms/cubic meter

[b] Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers.

[c] Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.

[d] Nitrogen dioxide.

[e] Sulfur dioxide.
[f] Carbon Monoxide.
[g] Maximum 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of the maximum modeled concentration for each year modeled.

Table 14. RESULTS FOR SIGNIFICANT CONTRIBUTION ANALYSES FOR RESTRICTED OPERATION

Pollutant	Averaging Period	Maximum Modeled Concentration ($\mu g/m^3$)[a]	Significant Contribution Level ($\mu g/m^3$)	Impact Percentage of Significant Contribution Level	Cumulative NAAQS Analysis Required
$PM_{2.5}$[b]	24-hour	10.7[g]	1.2	888%	yes
	Annual	2.7[g]	0.3	892%	yes
PM_{10}[c]	24-hour	42.3	5	845%	yes
NO_2[d]	1-hour	303.4[g]	7.5	4045%	yes
	Annual	15.1	1	1510%	yes

[a] Micrograms/cubic meter
[b] Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers.
[c] Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.
[d] Nitrogen dioxide.
[e] Sulfur dioxide.
[f] Carbon Monoxide.
[g] Maximum 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of the maximum modeled concentration for each year modeled.

__X__Model input and output files for SIL analyses have been provided with the application, with descriptions of the analyses associated with those files.

6.1.2 Cumulative NAAQS Impact Analyses

For each modeled pollutant, the design value of the impact was added to the ambient background value and the sum was compared to the NAAQS. The analysis shows that modeled 1-hour and annual NO_2, 24-hour and annual $PM_{2.5}$, and 24-hour PM_{10} impacts for scenario 1 violate their respective NAAQS while scenario 2 does not. Cumulative NAAQS impact analyses were performed for all receptors where the SIL analyses showed that project impacts exceeded the applicable SILs. Tables that list ranked impacts of receptors, with the receptor coordinates listed with the impact, and indicating the point where SIL

analysis receptors are excluded from the cumulative impact analysis, are included in Appendix B of this Modeling Report.

Tables 15 and 16 provide the results of Cumulative NAAQS Impact analyses.

Table 15. RESULTS FOR CUMULATIVE NAAQS IMPACT ANALYSES FOR CONTINUOUS OPERATION

Pollutant	Averaging Period	Modeled Design Concentration ($\mu g/m^3$)[a]	Background Concentration ($\mu g/m^3$)	Total Impact ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$[b]	24-hour	8.14[e]	19	27.1[e]	35
	Annual	2.70[f]	7.3	10.0[f]	12
PM_{10}[c]	24-hour	36.5[g]	73	109.5[g]	150
NO_2[d]	1-hour	150.4[e]	49	199.4[e]	188
	Annual	13.8	5.6	19.4	100

[a] Micrograms/cubic meter

[b] Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers.

[c] Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.

[d] Nitrogen dioxide, modeled using the tier 2 ARM2 option.

[e] Maximum of 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of 8th highest modeled concentrations for each year modeled.

[f] Maximum of 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of maximum modeled concentrations for each year modeled.

[g] Maximum of 6th highest modeled concentrations for a 5-year period (or the maximum of the 2nd highest modeled concentrations if only 1 year of meteorological data are modeled).

Table 16. RESULTS FOR CUMULATIVE NAAQS IMPACT ANALYSES FOR RESTRICTED OPERATION

		Modeled Design Concentration	Background Concentration	Total Impact	NAAQS

Pollutant	Averaging Period	(µg/m³)[a]	(µg/m³)	(µg/m³)	(µg/m³)
$PM_{2.5}$[b]	24-hour	7.64[e]	19	26.64[e]	35
	Annual	2.68[f]	7.3	10.0[f]	12
PM_{10}[c]	24-hour	35.6[g]	73	108.6[g]	150
NO_2[d]	1-hour	125.2[e]	49	174.2[e]	188
	Annual	13.6	5.6	19.2	100

[a] Micrograms/cubic meter

[b] Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers.

[c] Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers.

[d] Nitrogen dioxide, modeled using the tier 2 ARM2 option.

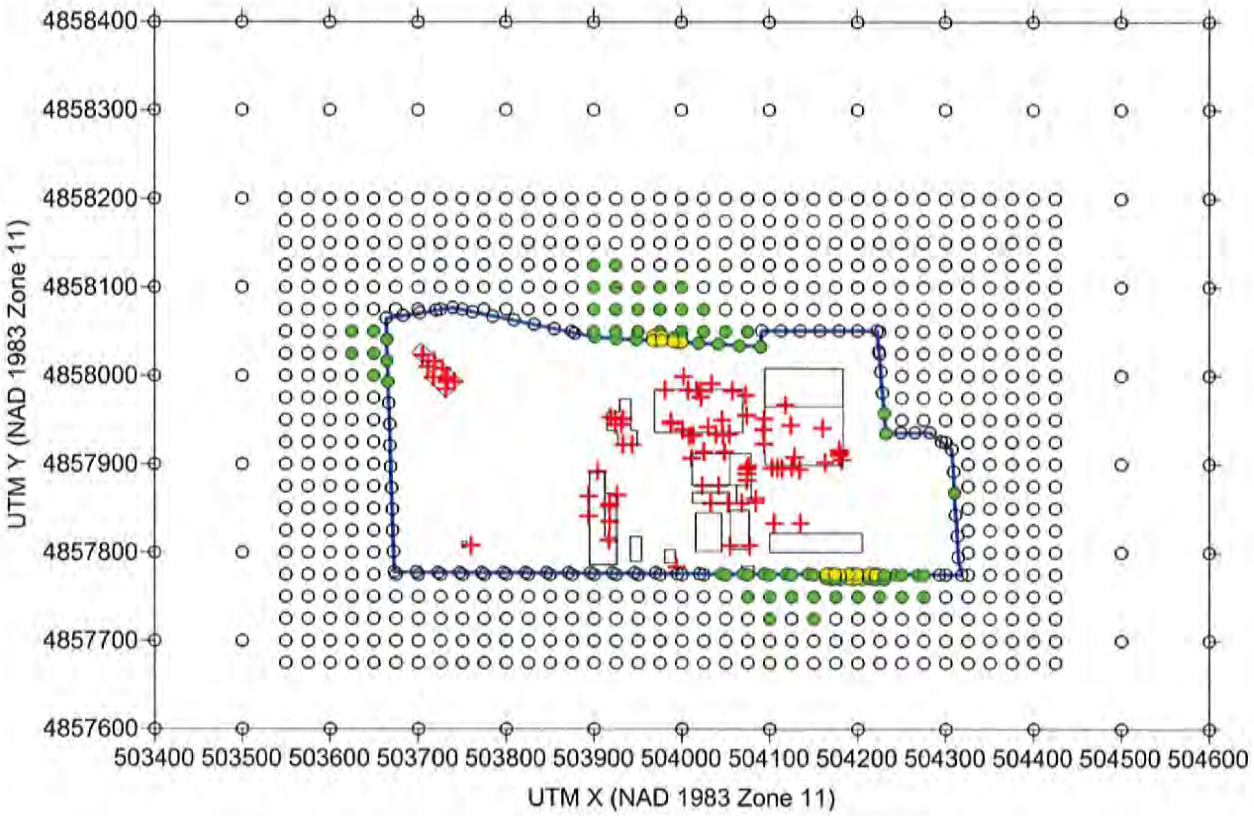
[e] Maximum of 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of 8th highest modeled concentrations for each year modeled.

[f] Maximum of 5-year means (or a lesser averaging period if less than 5 years of meteorological data were used in the analyses) of maximum modeled concentrations for each year modeled.

[g] Maximum of 6th highest modeled concentrations for a 5-year period (or the maximum of the 2nd highest modeled concentrations if only 1 year of meteorological data are modeled).

For the restricted operation scenario, all modeled pollutants are below 85% of NAAQS except for 1-hour NO_2. A plot of design values (including background) for comparison of 1-hour NO_2 concentrations to the NAAQS is provided in Figure 7. The plot shows that all receptors with design values greater than 80% of the NAAQS fall within the closest (25-meter) grid spacing, and that all receptors with design values greater than 90% of NAAQS fall along the ambient air boundary or less than 25 meters from the ambient air boundary. This receptor spacing appears to be adequate to resolve the maximum modeled concentrations and demonstrate compliance with NAAQS.

Figure 7. Modeled NO_2 Design Concentrations for Comparison to the NAAQS



__X___Model input and output files for the cumulative NAAQS impact analyses are provided with the application.

__X___If there were modeled NAAQS violations, all violations were analyzed and clearly show that the project did not significantly contribute to those modeled violations. If there were multiple violations at a given receptor, all cumulative impacts (including background) for the averaging period analyzed were ranked along with the project contribution, and the project contributions were below the applicable SIL. A table was included to show all ranked impacts above the NAAQS along with the project contribution.

6.2 TAP Impact Analyses

TAP analysis was not required. See section 4.2 for explanation.

7.0 Quality Assurance/Control

This air impact analysis was performed by experienced dispersion modelers and reviewed by senior CH2M staff.

Attachment A

Dryer Stack Parameter Calculations

Nunhems PTC Mod: Stack Properties for Dryers 2,3, and 4

Dryers 2 and 3 as Pseudo Point Sources

	Dryer 2	Dryer 3	
Horizontal Length (m)	25.3	8.2	estimated from aerial photography
Stack Height (ft)	11.25	9	Stack heights = roof line minus 6 inches (from photos)
Stack Height (m)	3.43	2.74	
Vent lenth (in.)	18	18	field measured
Vent width (in.)	7	8	field measured
Vent area (in.^2)	126	288	area of one vent for Dryer 2 and two parallel vents for Dryer 3
Representative diameter (in)	12.67	19.15	
Representative diameter (ft)	1.1	1.6	
Exit Velocity (m/s)	4.4697	0.9813	calculated from fan spec sheets, stack diameter, and number of vents
Temperature (K)	310.93	310.93	from manufacturer's data
Source Type	RAINCAP	RAINCAP	field-verified

Nunhems USA, Inc.
Parma, ID Facility

Dryer Stack Properties

10/27/2016

Dryers 4A and 4B		**Dryer 4A**	**Dryer 4B**	
	single burner	*2 burners*	*3 burners*	
Ambient temp (deg F)	73	73	73	
Temperature Rise (deg F)	70	70	70	from manufacturer's data
Stack Temperature (deg F)	143	143	143	
Stack Temperature (K)	334.82	334.82	334.82	
Flow (cfm)	5700	11400	17100	from manufacturer's data
Flow (m^3/s)	2.69	5.38	8.07	
Stack diameter (m)	0.4572	0.4572	0.4572	equal to previously-verified diameter of FARR03 and FARR04
Stack Area (m^2)	0.16	0.16	0.16	
Stack Exit Velocity (m/s)	16.38	32.77	49.15	
Stack Exit Velocity (cfh)	342000	684000	1026000	
Stack Exit Velocity (ft/min)	3225	6450	9676	

Potential pressure loss calculations for new Dryer 4A and Dryer 4B Ducts			
estimated pressure loss (in w.c per 100 ft)	2.5	5.2	(1)
estimated pressure loss (in w.c)	1.77	3.68	
estimated pressure loss (in psi)	0.06	0.13	
initial psi	13.35	13.35	atmospheric + pressure after burner
% decrease in pressure	0.48%	1.00%	Can be considered negligible
Duct length (m)	9.1		
Duct length (ft)	29.9		
Equivalent length for 90-degree bend	41		(2)
eq. length (including bend)	70.9		
Air Flow into Burner	5700	cfm	
pressure drop across burner	0.56	in. w.c	
air velocity required for 9 eq. ft of burner	3000	fpm	
propane pressure before burner	2	in. w.c	
initial gauge pressure	1.44	in. w.c	
initial gauge pressure	0.0520	psi	

(1) Source: Eclipse engineering guide: http://www.metroservicesinc.com/Combustion%20University/Eclipse%20Engineering%20Guide.pdf (piping pressure losses for low pressure air (Schedule 40 pipe), p. 12)

(2) Source: http://www.fowlercompanies.com/sm/adc%20service%20manuals/Exhaust%20Calculation%20Booklet.pdf, Table 1: Equivalent resistance of Round Elbows, for R/D = 1.5, p. 6)

Attachment B

NAAQS Receptors

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503673.1	4857778	110.8108	693.15	693.15	0	1-Hr	ALL	1st	YES
503697.9	4857778	113.8074	693.26	693.26	0	1-Hr	ALL	1st	YES
503722.7	4857778	118.5523	693.28	693.28	0	1-Hr	ALL	1st	YES
503747.5	4857777	122.6056	693.55	693.55	0	1-Hr	ALL	1st	YES
503772.3	4857777	120.7282	694.04	694.04	0	1-Hr	ALL	1st	YES
503797.1	4857777	113.589	694.43	694.43	0	1-Hr	ALL	1st	YES
503821.9	4857777	122.2264	694.63	694.63	0	1-Hr	ALL	1st	YES
503846.7	4857777	131.7069	694.81	694.81	0	1-Hr	ALL	1st	YES
503871.5	4857777	139.6118	694.97	694.97	0	1-Hr	ALL	1st	YES
503896.3	4857777	143.458	694.97	694.97	0	1-Hr	ALL	1st	YES
503921.1	4857777	141.0081	694.81	694.81	0	1-Hr	ALL	1st	YES
503945.9	4857777	151.8837	694.6	694.6	0	1-Hr	ALL	1st	YES
503970.7	4857777	173.6939	694.45	694.45	0	1-Hr	ALL	1st	YES
503995.5	4857777	179.9105	693.51	693.51	0	1-Hr	ALL	1st	YES
504020.3	4857776	192.4286	693.31	693.31	0	1-Hr	ALL	1st	YES
504045.1	4857776	193.4638	692.9	692.9	0	1-Hr	ALL	1st	YES
504069.9	4857776	215.7941	692.49	692.49	0	1-Hr	ALL	1st	YES
504094.7	4857776	218.6225	693.35	693.35	0	1-Hr	ALL	1st	YES
504119.5	4857776	304.9498	694.76	694.76	0	1-Hr	ALL	1st	YES
504144.3	4857776	294.7496	695.72	695.72	0	1-Hr	ALL	1st	YES
504169.1	4857776	324.449	696.07	696.07	0	1-Hr	ALL	1st	YES
504193.9	4857776	326.8034	696.24	696.24	0	1-Hr	ALL	1st	YES
504218.7	4857776	292.3804	696.22	696.22	0	1-Hr	ALL	1st	YES
504243.5	4857776	270.2321	695.84	695.84	0	1-Hr	ALL	1st	YES
504268.3	4857775	238.3993	695.71	695.71	0	1-Hr	ALL	1st	YES
504293.1	4857775	215.4664	696.89	696.89	0	1-Hr	ALL	1st	YES
504317.9	4857775	189.3055	697.87	697.87	0	1-Hr	ALL	1st	YES
504314.7	4857795	183.6102	697.39	697.39	0	1-Hr	ALL	1st	YES
504313.2	4857819	182.314	696.51	696.51	0	1-Hr	ALL	1st	YES
504311.8	4857844	177.3641	695.83	695.83	0	1-Hr	ALL	1st	YES
504310.3	4857868	182.377	695.75	695.75	0	1-Hr	ALL	1st	YES
504308.9	4857892	184.0488	696.01	696.01	0	1-Hr	ALL	1st	YES
504307.4	4857917	160.2763	695.99	695.99	0	1-Hr	ALL	1st	YES
504294.9	4857927	166.2099	695.78	695.78	0	1-Hr	ALL	1st	YES
504282.3	4857936	147.4943	695.22	695.22	0	1-Hr	ALL	1st	YES
504265.6	4857936	153.2626	694.7	694.7	0	1-Hr	ALL	1st	YES
504248.9	4857936	160.5596	694.22	694.22	0	1-Hr	ALL	1st	YES
504232.2	4857935	204.3473	693.48	693.48	0	1-Hr	ALL	1st	YES
504230.2	4857959	179.7306	693.33	693.33	0	1-Hr	ALL	1st	YES
504228.3	4857982	163.0248	693.41	693.41	0	1-Hr	ALL	1st	YES
504226.4	4858005	163.9929	693.76	693.76	0	1-Hr	ALL	1st	YES
504224.4	4858028	138.6195	694.42	694.42	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504222.5	4858051	119.7485	694.86	694.86	0	1-Hr	ALL	1st	YES
504200.6	4858051	159.3992	694.57	694.57	0	1-Hr	ALL	1st	YES
504178.8	4858051	136.3523	694.27	694.27	0	1-Hr	ALL	1st	YES
504156.9	4858051	149.8726	693.74	693.74	0	1-Hr	ALL	1st	YES
504135.1	4858051	142.1886	693.36	693.36	0	1-Hr	ALL	1st	YES
504113.2	4858051	135.7616	692.97	692.97	0	1-Hr	ALL	1st	YES
504091.4	4858051	143.2243	692.66	692.66	0	1-Hr	ALL	1st	YES
504089.8	4858033	157.7848	692.23	692.23	0	1-Hr	ALL	1st	YES
504066.2	4858035	165.5251	691.92	691.92	0	1-Hr	ALL	1st	YES
504042.7	4858036	167.8046	691.68	691.68	0	1-Hr	ALL	1st	YES
504019.1	4858037	186.4417	691.46	691.46	0	1-Hr	ALL	1st	YES
503995.5	4858039	224.0208	691.33	691.33	0	1-Hr	ALL	1st	YES
503972	4858040	214.3622	691.23	691.23	0	1-Hr	ALL	1st	YES
503948.4	4858041	200.2629	691.13	691.13	0	1-Hr	ALL	1st	YES
503924.8	4858043	197.2129	690.7	690.7	0	1-Hr	ALL	1st	YES
503901.3	4858044	187.1518	690.21	690.21	0	1-Hr	ALL	1st	YES
503878.2	4858049	186.0801	690	690	0	1-Hr	ALL	1st	YES
503855	4858053	171.1765	689.85	689.85	0	1-Hr	ALL	1st	YES
503831.9	4858058	165.2386	689.7	689.7	0	1-Hr	ALL	1st	YES
503808.8	4858063	157.1779	689.6	689.6	0	1-Hr	ALL	1st	YES
503785.7	4858068	160.8894	689.38	689.38	0	1-Hr	ALL	1st	YES
503762.6	4858072	164.2424	689.11	689.11	0	1-Hr	ALL	1st	YES
503739.5	4858077	164.3681	688.87	688.87	0	1-Hr	ALL	1st	YES
503720.6	4858074	151.668	689	689	0	1-Hr	ALL	1st	YES
503701.8	4858071	153.5037	689.71	689.71	0	1-Hr	ALL	1st	YES
503683	4858068	151.3214	690.35	690.35	0	1-Hr	ALL	1st	YES
503664.2	4858065	155.8629	690.29	690.29	0	1-Hr	ALL	1st	YES
503665	4858041	220.1653	690.57	690.57	0	1-Hr	ALL	1st	YES
503665.7	4858017	232.549	690.77	690.77	0	1-Hr	ALL	1st	YES
503666.4	4857993	209.0192	691.26	691.26	0	1-Hr	ALL	1st	YES
503667.2	4857969	142.8095	691.82	691.82	0	1-Hr	ALL	1st	YES
503667.9	4857945	132.6228	692.42	692.42	0	1-Hr	ALL	1st	YES
503668.7	4857921	131.0132	692.74	692.74	0	1-Hr	ALL	1st	YES
503669.4	4857897	128.4585	692.88	692.88	0	1-Hr	ALL	1st	YES
503670.1	4857873	128.2549	692.87	692.87	0	1-Hr	ALL	1st	YES
503670.9	4857850	117.9916	692.43	692.43	0	1-Hr	ALL	1st	YES
503671.6	4857826	111.9123	692.33	692.33	0	1-Hr	ALL	1st	YES
503672.4	4857802	111.8179	692.68	692.68	0	1-Hr	ALL	1st	YES
503550	4857675	101.2172	694.05	694.05	0	1-Hr	ALL	1st	YES
503575	4857675	97.77518	694.24	694.24	0	1-Hr	ALL	1st	YES
503600	4857675	91.32724	694.35	694.35	0	1-Hr	ALL	1st	YES
503625	4857675	90.07727	694.44	694.44	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503650	4857675	90.34334	694.44	694.44	0	1-Hr	ALL	1st	YES
503675	4857675	89.45328	694.48	694.48	0	1-Hr	ALL	1st	YES
503700	4857675	85.92805	694.45	694.45	0	1-Hr	ALL	1st	YES
503725	4857675	90.81906	694.29	694.29	0	1-Hr	ALL	1st	YES
503750	4857675	87.61259	694.18	694.18	0	1-Hr	ALL	1st	YES
503775	4857675	89.98463	694.32	694.32	0	1-Hr	ALL	1st	YES
503800	4857675	93.77894	695.19	695.19	0	1-Hr	ALL	1st	YES
503825	4857675	104.7909	696.03	696.03	0	1-Hr	ALL	1st	YES
503850	4857675	107.1731	695.99	695.99	0	1-Hr	ALL	1st	YES
503875	4857675	99.34547	695.99	695.99	0	1-Hr	ALL	1st	YES
503900	4857675	109.5678	696.14	696.14	0	1-Hr	ALL	1st	YES
503925	4857675	109.7468	696.24	696.24	0	1-Hr	ALL	1st	YES
503950	4857675	114.9345	696.14	696.14	0	1-Hr	ALL	1st	YES
503975	4857675	122.3095	696.04	696.04	0	1-Hr	ALL	1st	YES
504000	4857675	143.6453	695.95	695.95	0	1-Hr	ALL	1st	YES
504025	4857675	152.5536	695.76	695.76	0	1-Hr	ALL	1st	YES
504050	4857675	165.2162	696.02	696.02	0	1-Hr	ALL	1st	YES
504075	4857675	169.2092	695.94	695.94	0	1-Hr	ALL	1st	YES
504100	4857675	179.2701	695.38	695.38	0	1-Hr	ALL	1st	YES
504125	4857675	160.5597	694.83	694.83	0	1-Hr	ALL	1st	YES
504150	4857675	162.0011	694.13	694.13	0	1-Hr	ALL	1st	YES
504175	4857675	160.723	695.09	695.09	0	1-Hr	ALL	1st	YES
504200	4857675	173.1158	696.39	696.39	0	1-Hr	ALL	1st	YES
504225	4857675	177.7526	697.09	697.09	0	1-Hr	ALL	1st	YES
504250	4857675	197.2105	697.6	697.6	0	1-Hr	ALL	1st	YES
504275	4857675	215.5438	697.87	697.87	0	1-Hr	ALL	1st	YES
504300	4857675	170.2363	698.35	698.35	0	1-Hr	ALL	1st	YES
504325	4857675	158.6371	698.89	698.89	0	1-Hr	ALL	1st	YES
504350	4857675	183.6027	700.08	700.08	0	1-Hr	ALL	1st	YES
504375	4857675	179.01	700.78	700.78	0	1-Hr	ALL	1st	YES
504400	4857675	163.249	701.32	701.32	0	1-Hr	ALL	1st	YES
504425	4857675	163.8769	701.72	701.72	0	1-Hr	ALL	1st	YES
503550	4857700	102.2945	693.73	693.73	0	1-Hr	ALL	1st	YES
503575	4857700	104.7672	693.93	693.93	0	1-Hr	ALL	1st	YES
503600	4857700	104.7369	694.04	694.04	0	1-Hr	ALL	1st	YES
503625	4857700	101.2649	694.1	694.1	0	1-Hr	ALL	1st	YES
503650	4857700	94.55518	694.22	694.22	0	1-Hr	ALL	1st	YES
503675	4857700	93.23367	694.27	694.27	0	1-Hr	ALL	1st	YES
503700	4857700	94.40598	694.29	694.29	0	1-Hr	ALL	1st	YES
503725	4857700	90.54161	694.12	694.12	0	1-Hr	ALL	1st	YES
503750	4857700	93.79583	694.18	694.18	0	1-Hr	ALL	1st	YES
503775	4857700	92.39638	694.48	694.48	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503800	4857700	111.2461	695.42	695.42	0	1-Hr	ALL	1st	YES
503825	4857700	109.9637	696.1	696.1	0	1-Hr	ALL	1st	YES
503850	4857700	109.8032	696.15	696.15	0	1-Hr	ALL	1st	YES
503875	4857700	116.724	696.08	696.08	0	1-Hr	ALL	1st	YES
503900	4857700	120.0203	696.1	696.1	0	1-Hr	ALL	1st	YES
503925	4857700	121.4902	695.98	695.98	0	1-Hr	ALL	1st	YES
503950	4857700	120.4788	695.89	695.89	0	1-Hr	ALL	1st	YES
503975	4857700	136.7227	695.67	695.67	0	1-Hr	ALL	1st	YES
504000	4857700	149.6647	695.53	695.53	0	1-Hr	ALL	1st	YES
504025	4857700	163.8061	695.34	695.34	0	1-Hr	ALL	1st	YES
504050	4857700	153.1163	695.27	695.27	0	1-Hr	ALL	1st	YES
504075	4857700	172.3077	694.85	694.85	0	1-Hr	ALL	1st	YES
504100	4857700	168.05	693.98	693.98	0	1-Hr	ALL	1st	YES
504125	4857700	164.6559	692.87	692.87	0	1-Hr	ALL	1st	YES
504150	4857700	162.3664	693.07	693.07	0	1-Hr	ALL	1st	YES
504175	4857700	180.0603	694.87	694.87	0	1-Hr	ALL	1st	YES
504200	4857700	196.1437	695.72	695.72	0	1-Hr	ALL	1st	YES
504225	4857700	213.2612	696.42	696.42	0	1-Hr	ALL	1st	YES
504250	4857700	239.5672	697.11	697.11	0	1-Hr	ALL	1st	YES
504275	4857700	199.2515	697.25	697.25	0	1-Hr	ALL	1st	YES
504300	4857700	183.3281	697.91	697.91	0	1-Hr	ALL	1st	YES
504325	4857700	176.4068	699.22	699.22	0	1-Hr	ALL	1st	YES
504350	4857700	190.7742	700.05	700.05	0	1-Hr	ALL	1st	YES
504375	4857700	184.8397	700.75	700.75	0	1-Hr	ALL	1st	YES
504400	4857700	179.1365	701.09	701.09	0	1-Hr	ALL	1st	YES
504425	4857700	163.8458	701.48	701.48	0	1-Hr	ALL	1st	YES
503550	4857725	100.9887	693.5	693.5	0	1-Hr	ALL	1st	YES
503575	4857725	104.4018	693.47	693.47	0	1-Hr	ALL	1st	YES
503600	4857725	105.9655	693.7	693.7	0	1-Hr	ALL	1st	YES
503625	4857725	107.9344	693.7	693.7	0	1-Hr	ALL	1st	YES
503650	4857725	109.2074	693.88	693.88	0	1-Hr	ALL	1st	YES
503675	4857725	105.9038	693.99	693.99	0	1-Hr	ALL	1st	YES
503700	4857725	98.31737	694	694	0	1-Hr	ALL	1st	YES
503725	4857725	98.26555	694.04	694.04	0	1-Hr	ALL	1st	YES
503750	4857725	97.59138	694.15	694.15	0	1-Hr	ALL	1st	YES
503775	4857725	96.27729	694.47	694.47	0	1-Hr	ALL	1st	YES
503800	4857725	97.1297	695.13	695.13	0	1-Hr	ALL	1st	YES
503825	4857725	117.464	695.71	695.71	0	1-Hr	ALL	1st	YES
503850	4857725	116.361	695.95	695.95	0	1-Hr	ALL	1st	YES
503875	4857725	117.7017	695.9	695.9	0	1-Hr	ALL	1st	YES
503900	4857725	114.9034	695.8	695.8	0	1-Hr	ALL	1st	YES
503925	4857725	135.2435	695.63	695.63	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503950	4857725	135.4299	695.46	695.46	0	1-Hr	ALL	1st	YES
503975	4857725	128.7459	695.18	695.18	0	1-Hr	ALL	1st	YES
504000	4857725	147.9907	694.99	694.99	0	1-Hr	ALL	1st	YES
504025	4857725	162.3445	694.75	694.75	0	1-Hr	ALL	1st	YES
504050	4857725	168.1969	694.46	694.46	0	1-Hr	ALL	1st	YES
504075	4857725	179.3626	693.4	693.4	0	1-Hr	ALL	1st	YES
504100	4857725	184.1614	692.68	692.68	0	1-Hr	ALL	1st	YES
504125	4857725	180.0649	692.9	692.9	0	1-Hr	ALL	1st	YES
504150	4857725	201.4105	694.47	694.47	0	1-Hr	ALL	1st	YES
504175	4857725	207.6732	695.49	695.49	0	1-Hr	ALL	1st	YES
504200	4857725	228.0796	695.95	695.95	0	1-Hr	ALL	1st	YES
504225	4857725	256.1894	696.38	696.38	0	1-Hr	ALL	1st	YES
504250	4857725	225.8855	696.61	696.61	0	1-Hr	ALL	1st	YES
504275	4857725	214.7643	696.85	696.85	0	1-Hr	ALL	1st	YES
504300	4857725	222.9151	697.41	697.41	0	1-Hr	ALL	1st	YES
504325	4857725	209.4971	699.08	699.08	0	1-Hr	ALL	1st	YES
504350	4857725	204.057	699.86	699.86	0	1-Hr	ALL	1st	YES
504375	4857725	184.4605	700.53	700.53	0	1-Hr	ALL	1st	YES
504400	4857725	180.3152	700.73	700.73	0	1-Hr	ALL	1st	YES
504425	4857725	172.4779	701.02	701.02	0	1-Hr	ALL	1st	YES
503550	4857750	103.4624	693.03	693.03	0	1-Hr	ALL	1st	YES
503575	4857750	103.4607	693.12	693.12	0	1-Hr	ALL	1st	YES
503600	4857750	104.6526	693.24	693.24	0	1-Hr	ALL	1st	YES
503625	4857750	106.6476	693.37	693.37	0	1-Hr	ALL	1st	YES
503650	4857750	110.1132	693.51	693.51	0	1-Hr	ALL	1st	YES
503675	4857750	112.2148	693.58	693.58	0	1-Hr	ALL	1st	YES
503700	4857750	115.022	693.73	693.73	0	1-Hr	ALL	1st	YES
503725	4857750	110.9217	693.78	693.78	0	1-Hr	ALL	1st	YES
503750	4857750	105.2357	694.03	694.03	0	1-Hr	ALL	1st	YES
503775	4857750	110.1408	694.27	694.27	0	1-Hr	ALL	1st	YES
503800	4857750	114.6081	694.76	694.76	0	1-Hr	ALL	1st	YES
503825	4857750	108.2056	695.18	695.18	0	1-Hr	ALL	1st	YES
503850	4857750	125.847	695.41	695.41	0	1-Hr	ALL	1st	YES
503875	4857750	125.2322	695.51	695.51	0	1-Hr	ALL	1st	YES
503900	4857750	128.6974	695.42	695.42	0	1-Hr	ALL	1st	YES
503925	4857750	132.0153	695.26	695.26	0	1-Hr	ALL	1st	YES
503950	4857750	141.648	695.08	695.08	0	1-Hr	ALL	1st	YES
503975	4857750	161.7471	694.62	694.62	0	1-Hr	ALL	1st	YES
504000	4857750	156.8841	694.46	694.46	0	1-Hr	ALL	1st	YES
504025	4857750	177.6955	694.07	694.07	0	1-Hr	ALL	1st	YES
504050	4857750	183.4702	693.23	693.23	0	1-Hr	ALL	1st	YES
504075	4857750	197.7318	692.59	692.59	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504100	4857750	204.2519	693.04	693.04	0	1-Hr	ALL	1st	YES
504125	4857750	248.2888	694.51	694.51	0	1-Hr	ALL	1st	YES
504150	4857750	239.0166	695.7	695.7	0	1-Hr	ALL	1st	YES
504175	4857750	255.3775	696.13	696.13	0	1-Hr	ALL	1st	YES
504200	4857750	281.59	696.31	696.31	0	1-Hr	ALL	1st	YES
504225	4857750	259.0612	696.41	696.41	0	1-Hr	ALL	1st	YES
504250	4857750	247.2489	695.92	695.92	0	1-Hr	ALL	1st	YES
504275	4857750	256.9417	696.17	696.17	0	1-Hr	ALL	1st	YES
504300	4857750	227.572	697.48	697.48	0	1-Hr	ALL	1st	YES
504325	4857750	181.0592	698.7	698.7	0	1-Hr	ALL	1st	YES
504350	4857750	173.7725	698.99	698.99	0	1-Hr	ALL	1st	YES
504375	4857750	164.7371	699.06	699.06	0	1-Hr	ALL	1st	YES
504400	4857750	180.6167	699.63	699.63	0	1-Hr	ALL	1st	YES
504425	4857750	168.7551	700.41	700.41	0	1-Hr	ALL	1st	YES
503550	4857775	103.5951	692.66	692.66	0	1-Hr	ALL	1st	YES
503575	4857775	104.6877	692.62	692.62	0	1-Hr	ALL	1st	YES
503600	4857775	106.6971	692.71	692.71	0	1-Hr	ALL	1st	YES
503625	4857775	107.9662	692.91	692.91	0	1-Hr	ALL	1st	YES
503650	4857775	108.6744	693.06	693.06	0	1-Hr	ALL	1st	YES
503675	4857775	110.2199	693.2	693.2	0	1-Hr	ALL	1st	YES
503700	4857775	114.9111	693.3	693.3	0	1-Hr	ALL	1st	YES
503725	4857775	118.2756	693.4	693.4	0	1-Hr	ALL	1st	YES
503750	4857775	122.5109	693.62	693.62	0	1-Hr	ALL	1st	YES
503775	4857775	117.6325	694.12	694.12	0	1-Hr	ALL	1st	YES
503800	4857775	114.0028	694.49	694.49	0	1-Hr	ALL	1st	YES
503825	4857775	125.7085	694.68	694.68	0	1-Hr	ALL	1st	YES
503850	4857775	133.9715	694.86	694.86	0	1-Hr	ALL	1st	YES
503875	4857775	139.9613	695.02	695.02	0	1-Hr	ALL	1st	YES
503900	4857775	141.1173	694.98	694.98	0	1-Hr	ALL	1st	YES
503925	4857775	138.6724	694.81	694.81	0	1-Hr	ALL	1st	YES
503950	4857775	153.7632	694.61	694.61	0	1-Hr	ALL	1st	YES
503975	4857775	176.1864	694.33	694.33	0	1-Hr	ALL	1st	YES
504000	4857775	172.8292	693.53	693.53	0	1-Hr	ALL	1st	YES
504025	4857775	195.8091	693.31	693.31	0	1-Hr	ALL	1st	YES
504050	4857775	196.8888	692.8	692.8	0	1-Hr	ALL	1st	YES
504075	4857775	210.2052	692.53	692.53	0	1-Hr	ALL	1st	YES
504100	4857775	228.8075	693.75	693.75	0	1-Hr	ALL	1st	YES
504125	4857775	301.3976	694.97	694.97	0	1-Hr	ALL	1st	YES
504150	4857775	292.6132	695.87	695.87	0	1-Hr	ALL	1st	YES
504175	4857775	333.5189	696.13	696.13	0	1-Hr	ALL	1st	YES
504200	4857775	314.0208	696.28	696.28	0	1-Hr	ALL	1st	YES
504225	4857775	291.0177	696.11	696.11	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504250	4857775	254.7762	695.73	695.73	0	1-Hr	ALL	1st	YES
504275	4857775	234.0154	695.89	695.89	0	1-Hr	ALL	1st	YES
504300	4857775	206.9846	697.29	697.29	0	1-Hr	ALL	1st	YES
504325	4857775	184.5753	698	698	0	1-Hr	ALL	1st	YES
504350	4857775	169.2565	698	698	0	1-Hr	ALL	1st	YES
504375	4857775	161.5503	697.86	697.86	0	1-Hr	ALL	1st	YES
504400	4857775	148.0082	699.21	699.21	0	1-Hr	ALL	1st	YES
504425	4857775	161.5146	700.03	700.03	0	1-Hr	ALL	1st	YES
503550	4857800	105.2463	692.41	692.41	0	1-Hr	ALL	1st	YES
503575	4857800	104.937	692.24	692.24	0	1-Hr	ALL	1st	YES
503600	4857800	105.9538	692.24	692.24	0	1-Hr	ALL	1st	YES
503625	4857800	107.9032	692.33	692.33	0	1-Hr	ALL	1st	YES
503650	4857800	109.4082	692.48	692.48	0	1-Hr	ALL	1st	YES
504325	4857800	176.8222	697.33	697.33	0	1-Hr	ALL	1st	YES
504350	4857800	166.6375	697.35	697.35	0	1-Hr	ALL	1st	YES
504375	4857800	161.0739	698.01	698.01	0	1-Hr	ALL	1st	YES
504400	4857800	154.2148	699.11	699.11	0	1-Hr	ALL	1st	YES
504425	4857800	147.5652	700.02	700.02	0	1-Hr	ALL	1st	YES
503550	4857825	108.429	692.37	692.37	0	1-Hr	ALL	1st	YES
503575	4857825	109.3076	692.08	692.08	0	1-Hr	ALL	1st	YES
503600	4857825	110.3413	691.82	691.82	0	1-Hr	ALL	1st	YES
503625	4857825	110.2431	691.62	691.62	0	1-Hr	ALL	1st	YES
503650	4857825	111.1906	691.8	691.8	0	1-Hr	ALL	1st	YES
504325	4857825	182.6293	696.35	696.35	0	1-Hr	ALL	1st	YES
504350	4857825	172.0749	696.79	696.79	0	1-Hr	ALL	1st	YES
504375	4857825	156.2631	697.87	697.87	0	1-Hr	ALL	1st	YES
504400	4857825	149.9588	698.88	698.88	0	1-Hr	ALL	1st	YES
504425	4857825	143.4044	699.42	699.42	0	1-Hr	ALL	1st	YES
503550	4857850	114.5221	692.48	692.48	0	1-Hr	ALL	1st	YES
503575	4857850	114.1625	692.04	692.04	0	1-Hr	ALL	1st	YES
503600	4857850	113.2383	691.54	691.54	0	1-Hr	ALL	1st	YES
503625	4857850	114.3161	691.33	691.33	0	1-Hr	ALL	1st	YES
503650	4857850	116.6136	691.55	691.55	0	1-Hr	ALL	1st	YES
504325	4857850	177.6324	695.84	695.84	0	1-Hr	ALL	1st	YES
504350	4857850	168.5253	696.35	696.35	0	1-Hr	ALL	1st	YES
504375	4857850	158.6132	697.5	697.5	0	1-Hr	ALL	1st	YES
504400	4857850	147.8181	698.37	698.37	0	1-Hr	ALL	1st	YES
504425	4857850	140.3524	698.71	698.71	0	1-Hr	ALL	1st	YES
503550	4857875	119.81	692.51	692.51	0	1-Hr	ALL	1st	YES
503575	4857875	121.708	692.18	692.18	0	1-Hr	ALL	1st	YES
503600	4857875	124.4883	691.37	691.37	0	1-Hr	ALL	1st	YES
503625	4857875	126.3956	691.21	691.21	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503650	4857875	128.4497	692.35	692.35	0	1-Hr	ALL	1st	YES
504325	4857875	176.4592	695.95	695.95	0	1-Hr	ALL	1st	YES
504350	4857875	162.9741	696.25	696.25	0	1-Hr	ALL	1st	YES
504375	4857875	157.6074	697.15	697.15	0	1-Hr	ALL	1st	YES
504400	4857875	149.38	697.86	697.86	0	1-Hr	ALL	1st	YES
504425	4857875	139.3365	698.23	698.23	0	1-Hr	ALL	1st	YES
503550	4857900	116.5769	692.6	692.6	0	1-Hr	ALL	1st	YES
503575	4857900	118.5473	692.44	692.44	0	1-Hr	ALL	1st	YES
503600	4857900	119.5437	691.54	691.54	0	1-Hr	ALL	1st	YES
503625	4857900	121.6392	691.16	691.16	0	1-Hr	ALL	1st	YES
503650	4857900	124.5865	692.71	692.71	0	1-Hr	ALL	1st	YES
504325	4857900	171.4621	696.13	696.13	0	1-Hr	ALL	1st	YES
504350	4857900	162.9595	696.38	696.38	0	1-Hr	ALL	1st	YES
504375	4857900	155.5422	696.64	696.64	0	1-Hr	ALL	1st	YES
504400	4857900	139.9964	697.18	697.18	0	1-Hr	ALL	1st	YES
504425	4857900	129.9568	697.7	697.7	0	1-Hr	ALL	1st	YES
503550	4857925	120.9058	692.43	692.43	0	1-Hr	ALL	1st	YES
503575	4857925	123.0172	692.47	692.47	0	1-Hr	ALL	1st	YES
503600	4857925	125.674	692.28	692.28	0	1-Hr	ALL	1st	YES
503625	4857925	128.4418	692.3	692.3	0	1-Hr	ALL	1st	YES
503650	4857925	131.0861	692.83	692.83	0	1-Hr	ALL	1st	YES
504300	4857925	163.9344	695.84	695.84	0	1-Hr	ALL	1st	YES
504325	4857925	156.4922	695.94	695.94	0	1-Hr	ALL	1st	YES
504350	4857925	149.0812	695.88	695.88	0	1-Hr	ALL	1st	YES
504375	4857925	142.6904	696.03	696.03	0	1-Hr	ALL	1st	YES
504400	4857925	137.0683	696.6	696.6	0	1-Hr	ALL	1st	YES
504425	4857925	136.5961	697.28	697.28	0	1-Hr	ALL	1st	YES
503550	4857950	118.4741	692.38	692.38	0	1-Hr	ALL	1st	YES
503575	4857950	121.5865	692.39	692.39	0	1-Hr	ALL	1st	YES
503600	4857950	124.9964	692.28	692.28	0	1-Hr	ALL	1st	YES
503625	4857950	128.445	692.61	692.61	0	1-Hr	ALL	1st	YES
503650	4857950	131.9991	692.48	692.48	0	1-Hr	ALL	1st	YES
504250	4857950	155.3813	693.91	693.91	0	1-Hr	ALL	1st	YES
504275	4857950	147.8667	694.3	694.3	0	1-Hr	ALL	1st	YES
504300	4857950	142.4934	694.88	694.88	0	1-Hr	ALL	1st	YES
504325	4857950	146.9936	695.21	695.21	0	1-Hr	ALL	1st	YES
504350	4857950	149.4243	695.37	695.37	0	1-Hr	ALL	1st	YES
504375	4857950	143.9487	695.69	695.69	0	1-Hr	ALL	1st	YES
504400	4857950	138.2779	696.26	696.26	0	1-Hr	ALL	1st	YES
504425	4857950	132.1494	696.8	696.8	0	1-Hr	ALL	1st	YES
503550	4857975	125.6826	692.23	692.23	0	1-Hr	ALL	1st	YES
503575	4857975	129.1888	692.02	692.02	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503600	4857975	133.2594	691.81	691.81	0	1-Hr	ALL	1st	YES
503625	4857975	137.2063	691.49	691.49	0	1-Hr	ALL	1st	YES
503650	4857975	141.0655	691.4	691.4	0	1-Hr	ALL	1st	YES
504250	4857975	140.5081	693.76	693.76	0	1-Hr	ALL	1st	YES
504275	4857975	134.6744	693.88	693.88	0	1-Hr	ALL	1st	YES
504300	4857975	131.5555	694.18	694.18	0	1-Hr	ALL	1st	YES
504325	4857975	128.4564	694.59	694.59	0	1-Hr	ALL	1st	YES
504350	4857975	125.6661	694.95	694.95	0	1-Hr	ALL	1st	YES
504375	4857975	137.0485	695.38	695.38	0	1-Hr	ALL	1st	YES
504400	4857975	135.2209	695.82	695.82	0	1-Hr	ALL	1st	YES
504425	4857975	132.4791	696.21	696.21	0	1-Hr	ALL	1st	YES
503550	4858000	137.5359	691.95	691.95	0	1-Hr	ALL	1st	YES
503575	4858000	145.8911	691.61	691.61	0	1-Hr	ALL	1st	YES
503600	4858000	155.0203	691.12	691.12	0	1-Hr	ALL	1st	YES
503625	4858000	164.989	690.6	690.6	0	1-Hr	ALL	1st	YES
503650	4858000	180.9958	690.63	690.63	0	1-Hr	ALL	1st	YES
504250	4858000	135.0148	693.95	693.95	0	1-Hr	ALL	1st	YES
504275	4858000	128.4721	694.07	694.07	0	1-Hr	ALL	1st	YES
504300	4858000	124.6663	694.26	694.26	0	1-Hr	ALL	1st	YES
504325	4858000	118.6151	694.3	694.3	0	1-Hr	ALL	1st	YES
504350	4858000	116.893	694.61	694.61	0	1-Hr	ALL	1st	YES
504375	4858000	115.2933	694.85	694.85	0	1-Hr	ALL	1st	YES
504400	4858000	128.6148	695.29	695.29	0	1-Hr	ALL	1st	YES
504425	4858000	126.3242	695.98	695.98	0	1-Hr	ALL	1st	YES
503550	4858025	157.5854	691.58	691.58	0	1-Hr	ALL	1st	YES
503575	4858025	172.8128	691	691	0	1-Hr	ALL	1st	YES
503600	4858025	189.7487	690.42	690.42	0	1-Hr	ALL	1st	YES
503625	4858025	202.4563	689.91	689.91	0	1-Hr	ALL	1st	YES
503650	4858025	216.9934	689.9	689.9	0	1-Hr	ALL	1st	YES
504225	4858025	142.2878	694.35	694.35	0	1-Hr	ALL	1st	YES
504250	4858025	138.2342	694.49	694.49	0	1-Hr	ALL	1st	YES
504275	4858025	131.2193	694.64	694.64	0	1-Hr	ALL	1st	YES
504300	4858025	122.2599	694.74	694.74	0	1-Hr	ALL	1st	YES
504325	4858025	115.4003	694.73	694.73	0	1-Hr	ALL	1st	YES
504350	4858025	111.0823	694.64	694.64	0	1-Hr	ALL	1st	YES
504375	4858025	108.8179	694.7	694.7	0	1-Hr	ALL	1st	YES
504400	4858025	104.4993	694.94	694.94	0	1-Hr	ALL	1st	YES
504425	4858025	116.8758	695.29	695.29	0	1-Hr	ALL	1st	YES
503550	4858050	183.3158	691.24	691.24	0	1-Hr	ALL	1st	YES
503575	4858050	186.0575	690.58	690.58	0	1-Hr	ALL	1st	YES
503600	4858050	192.6178	689.97	689.97	0	1-Hr	ALL	1st	YES
503625	4858050	197.3529	689.62	689.62	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503650	4858050	199.4098	689.78	689.78	0	1-Hr	ALL	1st	YES
503875	4858050	184.7099	690.02	690.02	0	1-Hr	ALL	1st	YES
503900	4858050	182.7902	690.35	690.35	0	1-Hr	ALL	1st	YES
503925	4858050	195.5118	690.9	690.9	0	1-Hr	ALL	1st	YES
503950	4858050	203.7321	691.46	691.46	0	1-Hr	ALL	1st	YES
503975	4858050	215.0579	691.62	691.62	0	1-Hr	ALL	1st	YES
504000	4858050	218.317	691.59	691.59	0	1-Hr	ALL	1st	YES
504025	4858050	172.4402	691.76	691.76	0	1-Hr	ALL	1st	YES
504050	4858050	155.0103	692.06	692.06	0	1-Hr	ALL	1st	YES
504075	4858050	160.4417	692.4	692.4	0	1-Hr	ALL	1st	YES
504225	4858050	118.4933	694.87	694.87	0	1-Hr	ALL	1st	YES
504250	4858050	122.6407	695.14	695.14	0	1-Hr	ALL	1st	YES
504275	4858050	139.7389	695.32	695.32	0	1-Hr	ALL	1st	YES
504300	4858050	142.208	695.41	695.41	0	1-Hr	ALL	1st	YES
504325	4858050	135.7788	695.36	695.36	0	1-Hr	ALL	1st	YES
504350	4858050	114.0126	695.26	695.26	0	1-Hr	ALL	1st	YES
504375	4858050	107.0406	695.01	695.01	0	1-Hr	ALL	1st	YES
504400	4858050	104.8924	695.03	695.03	0	1-Hr	ALL	1st	YES
504425	4858050	102.8422	695.13	695.13	0	1-Hr	ALL	1st	YES
503550	4858075	170.0082	690.85	690.85	0	1-Hr	ALL	1st	YES
503575	4858075	178.7455	690.21	690.21	0	1-Hr	ALL	1st	YES
503600	4858075	173.2669	689.63	689.63	0	1-Hr	ALL	1st	YES
503625	4858075	157.6164	689.19	689.19	0	1-Hr	ALL	1st	YES
503650	4858075	145.7138	689.77	689.77	0	1-Hr	ALL	1st	YES
503675	4858075	150.0207	690.22	690.22	0	1-Hr	ALL	1st	YES
503700	4858075	151.0446	689.7	689.7	0	1-Hr	ALL	1st	YES
503725	4858075	156.8815	688.91	688.91	0	1-Hr	ALL	1st	YES
503750	4858075	164.576	688.95	688.95	0	1-Hr	ALL	1st	YES
503775	4858075	158.7258	689.23	689.23	0	1-Hr	ALL	1st	YES
503800	4858075	157.7204	689.54	689.54	0	1-Hr	ALL	1st	YES
503825	4858075	164.9486	689.81	689.81	0	1-Hr	ALL	1st	YES
503850	4858075	171.6815	690.23	690.23	0	1-Hr	ALL	1st	YES
503875	4858075	170.6649	690.81	690.81	0	1-Hr	ALL	1st	YES
503900	4858075	181.5758	691.28	691.28	0	1-Hr	ALL	1st	YES
503925	4858075	190.3135	691.87	691.87	0	1-Hr	ALL	1st	YES
503950	4858075	196.0175	692.31	692.31	0	1-Hr	ALL	1st	YES
503975	4858075	188.8087	692.58	692.58	0	1-Hr	ALL	1st	YES
504000	4858075	203.8706	692.58	692.58	0	1-Hr	ALL	1st	YES
504025	4858075	163.0564	692.56	692.56	0	1-Hr	ALL	1st	YES
504050	4858075	145.4206	692.9	692.9	0	1-Hr	ALL	1st	YES
504075	4858075	139.9931	693.15	693.15	0	1-Hr	ALL	1st	YES
504100	4858075	134.8801	693.47	693.47	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504125	4858075	140.6362	693.84	693.84	0	1-Hr	ALL	1st	YES
504150	4858075	125.736	694.19	694.19	0	1-Hr	ALL	1st	YES
504175	4858075	139.4797	694.67	694.67	0	1-Hr	ALL	1st	YES
504200	4858075	143.1989	695.08	695.08	0	1-Hr	ALL	1st	YES
504225	4858075	133.4987	695.43	695.43	0	1-Hr	ALL	1st	YES
504250	4858075	127.4823	695.7	695.7	0	1-Hr	ALL	1st	YES
504275	4858075	122.0963	695.93	695.93	0	1-Hr	ALL	1st	YES
504300	4858075	123.9709	696.06	696.06	0	1-Hr	ALL	1st	YES
504325	4858075	127.8593	696.07	696.07	0	1-Hr	ALL	1st	YES
504350	4858075	131.276	695.99	695.99	0	1-Hr	ALL	1st	YES
504375	4858075	127.1757	695.83	695.83	0	1-Hr	ALL	1st	YES
504400	4858075	122.8977	695.63	695.63	0	1-Hr	ALL	1st	YES
504425	4858075	120.7486	695.55	695.55	0	1-Hr	ALL	1st	YES
503550	4858100	158.054	690.49	690.49	0	1-Hr	ALL	1st	YES
503575	4858100	147.8789	689.81	689.81	0	1-Hr	ALL	1st	YES
503600	4858100	133.1737	689.01	689.01	0	1-Hr	ALL	1st	YES
503625	4858100	136.9348	688.79	688.79	0	1-Hr	ALL	1st	YES
503650	4858100	141.2901	689.51	689.51	0	1-Hr	ALL	1st	YES
503675	4858100	144.3689	689.78	689.78	0	1-Hr	ALL	1st	YES
503700	4858100	159.0897	689.13	689.13	0	1-Hr	ALL	1st	YES
503725	4858100	156.4131	688.77	688.77	0	1-Hr	ALL	1st	YES
503750	4858100	147.2556	688.79	688.79	0	1-Hr	ALL	1st	YES
503775	4858100	153.27	689.21	689.21	0	1-Hr	ALL	1st	YES
503800	4858100	154.7043	689.68	689.68	0	1-Hr	ALL	1st	YES
503825	4858100	159.1333	690.18	690.18	0	1-Hr	ALL	1st	YES
503850	4858100	158.7437	690.8	690.8	0	1-Hr	ALL	1st	YES
503875	4858100	167.7377	691.54	691.54	0	1-Hr	ALL	1st	YES
503900	4858100	175.5522	692.24	692.24	0	1-Hr	ALL	1st	YES
503925	4858100	193.2447	692.9	692.9	0	1-Hr	ALL	1st	YES
503950	4858100	189.9715	693.43	693.43	0	1-Hr	ALL	1st	YES
503975	4858100	173.89	693.75	693.75	0	1-Hr	ALL	1st	YES
504000	4858100	181.9167	693.81	693.81	0	1-Hr	ALL	1st	YES
504025	4858100	152.5301	693.75	693.75	0	1-Hr	ALL	1st	YES
504050	4858100	137.1743	693.75	693.75	0	1-Hr	ALL	1st	YES
504075	4858100	126.4893	694.01	694.01	0	1-Hr	ALL	1st	YES
504100	4858100	129.2464	694.1	694.1	0	1-Hr	ALL	1st	YES
504125	4858100	138.2332	694.23	694.23	0	1-Hr	ALL	1st	YES
504150	4858100	119.2191	694.61	694.61	0	1-Hr	ALL	1st	YES
504175	4858100	134.2303	695.01	695.01	0	1-Hr	ALL	1st	YES
504200	4858100	125.3668	695.49	695.49	0	1-Hr	ALL	1st	YES
504225	4858100	144.1662	695.87	695.87	0	1-Hr	ALL	1st	YES
504250	4858100	116.4829	696.16	696.16	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504275	4858100	117.8044	696.45	696.45	0	1-Hr	ALL	1st	YES
504300	4858100	116.6228	696.65	696.65	0	1-Hr	ALL	1st	YES
504325	4858100	106.6877	696.78	696.78	0	1-Hr	ALL	1st	YES
504350	4858100	115.9137	696.8	696.8	0	1-Hr	ALL	1st	YES
504375	4858100	118.9224	696.71	696.71	0	1-Hr	ALL	1st	YES
504400	4858100	122.8792	696.48	696.48	0	1-Hr	ALL	1st	YES
504425	4858100	120.5186	696.33	696.33	0	1-Hr	ALL	1st	YES
503550	4858125	132.4456	690.08	690.08	0	1-Hr	ALL	1st	YES
503575	4858125	131.5294	689.25	689.25	0	1-Hr	ALL	1st	YES
503600	4858125	130.5608	688.28	688.28	0	1-Hr	ALL	1st	YES
503625	4858125	128.843	688.07	688.07	0	1-Hr	ALL	1st	YES
503650	4858125	146.8703	688.7	688.7	0	1-Hr	ALL	1st	YES
503675	4858125	152.9378	688.88	688.88	0	1-Hr	ALL	1st	YES
503700	4858125	146.5095	688.68	688.68	0	1-Hr	ALL	1st	YES
503725	4858125	143.5112	688.8	688.8	0	1-Hr	ALL	1st	YES
503750	4858125	146.0531	688.95	688.95	0	1-Hr	ALL	1st	YES
503775	4858125	143.6981	689.25	689.25	0	1-Hr	ALL	1st	YES
503800	4858125	147.0344	689.9	689.9	0	1-Hr	ALL	1st	YES
503825	4858125	148.8304	690.55	690.55	0	1-Hr	ALL	1st	YES
503850	4858125	155.0042	691.16	691.16	0	1-Hr	ALL	1st	YES
503875	4858125	162.9479	692.03	692.03	0	1-Hr	ALL	1st	YES
503900	4858125	187.4418	692.97	692.97	0	1-Hr	ALL	1st	YES
503925	4858125	177.4968	693.89	693.89	0	1-Hr	ALL	1st	YES
503950	4858125	164.4074	694.59	694.59	0	1-Hr	ALL	1st	YES
503975	4858125	168.1556	695.01	695.01	0	1-Hr	ALL	1st	YES
504000	4858125	158.036	695.08	695.08	0	1-Hr	ALL	1st	YES
504025	4858125	141.0244	695.15	695.15	0	1-Hr	ALL	1st	YES
504050	4858125	128.498	695.01	695.01	0	1-Hr	ALL	1st	YES
504075	4858125	121.442	694.78	694.78	0	1-Hr	ALL	1st	YES
504100	4858125	121.3954	694.68	694.68	0	1-Hr	ALL	1st	YES
504125	4858125	135.4548	694.61	694.61	0	1-Hr	ALL	1st	YES
504150	4858125	108.7449	694.79	694.79	0	1-Hr	ALL	1st	YES
504175	4858125	127.4664	695.15	695.15	0	1-Hr	ALL	1st	YES
504200	4858125	118.2995	695.6	695.6	0	1-Hr	ALL	1st	YES
504225	4858125	141.178	696.06	696.06	0	1-Hr	ALL	1st	YES
504250	4858125	110.5576	696.59	696.59	0	1-Hr	ALL	1st	YES
504275	4858125	107.656	696.9	696.9	0	1-Hr	ALL	1st	YES
504300	4858125	109.9307	697.21	697.21	0	1-Hr	ALL	1st	YES
504325	4858125	109.3131	697.45	697.45	0	1-Hr	ALL	1st	YES
504350	4858125	104.1302	697.58	697.58	0	1-Hr	ALL	1st	YES
504375	4858125	98.61219	697.59	697.59	0	1-Hr	ALL	1st	YES
504400	4858125	108.5911	697.53	697.53	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504425	4858125	111.4273	697.37	697.37	0	1-Hr	ALL	1st	YES
503550	4858150	128.0462	689.54	689.54	0	1-Hr	ALL	1st	YES
503575	4858150	121.7716	688.08	688.08	0	1-Hr	ALL	1st	YES
503600	4858150	130.5298	687.14	687.14	0	1-Hr	ALL	1st	YES
503625	4858150	141.898	687.01	687.01	0	1-Hr	ALL	1st	YES
503650	4858150	141.0788	687.26	687.26	0	1-Hr	ALL	1st	YES
503675	4858150	133.7337	687.82	687.82	0	1-Hr	ALL	1st	YES
503700	4858150	138.8101	688.45	688.45	0	1-Hr	ALL	1st	YES
503725	4858150	138.8571	688.98	688.98	0	1-Hr	ALL	1st	YES
503750	4858150	138.436	689.26	689.26	0	1-Hr	ALL	1st	YES
503775	4858150	135.7667	689.49	689.49	0	1-Hr	ALL	1st	YES
503800	4858150	138.7497	689.79	689.79	0	1-Hr	ALL	1st	YES
503825	4858150	143.3801	690.51	690.51	0	1-Hr	ALL	1st	YES
503850	4858150	151.5166	691.4	691.4	0	1-Hr	ALL	1st	YES
503875	4858150	174.5698	692.4	692.4	0	1-Hr	ALL	1st	YES
503900	4858150	157.3921	693.52	693.52	0	1-Hr	ALL	1st	YES
503925	4858150	168.3682	694.6	694.6	0	1-Hr	ALL	1st	YES
503950	4858150	163.3204	695.46	695.46	0	1-Hr	ALL	1st	YES
503975	4858150	174.1043	695.9	695.9	0	1-Hr	ALL	1st	YES
504000	4858150	151.3958	696	696	0	1-Hr	ALL	1st	YES
504025	4858150	147.579	695.95	695.95	0	1-Hr	ALL	1st	YES
504050	4858150	138.25	695.86	695.86	0	1-Hr	ALL	1st	YES
504075	4858150	137.0395	695.74	695.74	0	1-Hr	ALL	1st	YES
504100	4858150	125.185	695.32	695.32	0	1-Hr	ALL	1st	YES
504125	4858150	127.3738	695.11	695.11	0	1-Hr	ALL	1st	YES
504150	4858150	101.9357	695	695	0	1-Hr	ALL	1st	YES
504175	4858150	121.1147	695.07	695.07	0	1-Hr	ALL	1st	YES
504200	4858150	103.759	695.45	695.45	0	1-Hr	ALL	1st	YES
504225	4858150	129.41	695.95	695.95	0	1-Hr	ALL	1st	YES
504250	4858150	119.1812	696.56	696.56	0	1-Hr	ALL	1st	YES
504275	4858150	104.0256	697.05	697.05	0	1-Hr	ALL	1st	YES
504300	4858150	100.505	697.45	697.45	0	1-Hr	ALL	1st	YES
504325	4858150	102.8328	697.81	697.81	0	1-Hr	ALL	1st	YES
504350	4858150	101.765	698.16	698.16	0	1-Hr	ALL	1st	YES
504375	4858150	99.90181	698.4	698.4	0	1-Hr	ALL	1st	YES
504400	4858150	92.39027	698.45	698.45	0	1-Hr	ALL	1st	YES
504425	4858150	91.62466	698.43	698.43	0	1-Hr	ALL	1st	YES
503550	4858175	120.9365	688.28	689.03	0	1-Hr	ALL	1st	YES
503575	4858175	130.6557	686.51	686.51	0	1-Hr	ALL	1st	YES
503600	4858175	133.387	685.45	685.45	0	1-Hr	ALL	1st	YES
503625	4858175	129.6272	685.41	685.41	0	1-Hr	ALL	1st	YES
503650	4858175	128.0591	686.25	686.25	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503675	4858175	131.0656	687.35	687.35	0	1-Hr	ALL	1st	YES
503700	4858175	128.8369	688.71	688.71	0	1-Hr	ALL	1st	YES
503725	4858175	134.0087	689.66	689.66	0	1-Hr	ALL	1st	YES
503750	4858175	129.2693	689.95	689.95	0	1-Hr	ALL	1st	YES
503775	4858175	132.5643	689.97	689.97	0	1-Hr	ALL	1st	YES
503800	4858175	132.284	689.83	689.83	0	1-Hr	ALL	1st	YES
503825	4858175	137.9374	689.82	689.82	0	1-Hr	ALL	1st	YES
503850	4858175	161.0625	690.9	690.9	0	1-Hr	ALL	1st	YES
503875	4858175	154.6536	692.53	692.53	0	1-Hr	ALL	1st	YES
503900	4858175	162.5588	693.78	693.78	0	1-Hr	ALL	1st	YES
503925	4858175	149.7984	695.04	695.04	0	1-Hr	ALL	1st	YES
503950	4858175	153.3354	695.92	695.92	0	1-Hr	ALL	1st	YES
503975	4858175	168.3764	696.11	696.11	0	1-Hr	ALL	1st	YES
504000	4858175	140.3743	696.21	696.21	0	1-Hr	ALL	1st	YES
504025	4858175	140.2446	696.32	696.32	0	1-Hr	ALL	1st	YES
504050	4858175	131.5554	696.18	696.18	0	1-Hr	ALL	1st	YES
504075	4858175	130.2564	695.96	695.96	0	1-Hr	ALL	1st	YES
504100	4858175	116.8315	695.84	695.84	0	1-Hr	ALL	1st	YES
504125	4858175	118.9527	695.65	695.65	0	1-Hr	ALL	1st	YES
504150	4858175	110.0664	695.49	695.49	0	1-Hr	ALL	1st	YES
504175	4858175	114.0175	695.24	695.24	0	1-Hr	ALL	1st	YES
504200	4858175	99.55279	695.39	695.39	0	1-Hr	ALL	1st	YES
504225	4858175	114.3982	695.81	695.81	0	1-Hr	ALL	1st	YES
504250	4858175	124.6322	696.22	696.22	0	1-Hr	ALL	1st	YES
504275	4858175	105.2953	696.82	696.82	0	1-Hr	ALL	1st	YES
504300	4858175	99.01264	697.34	697.34	0	1-Hr	ALL	1st	YES
504325	4858175	94.66125	697.9	697.9	0	1-Hr	ALL	1st	YES
504350	4858175	97.01922	698.46	698.46	0	1-Hr	ALL	1st	YES
504375	4858175	96.18848	698.89	698.89	0	1-Hr	ALL	1st	YES
504400	4858175	94.48903	699.21	699.21	0	1-Hr	ALL	1st	YES
504425	4858175	89.78198	699.44	699.44	0	1-Hr	ALL	1st	YES
503550	4858200	127.0923	686.39	690.12	0	1-Hr	ALL	1st	YES
503575	4858200	124.7703	684.89	684.89	0	1-Hr	ALL	1st	YES
503600	4858200	117.9125	683.98	683.98	0	1-Hr	ALL	1st	YES
503625	4858200	122.4645	684.37	684.37	0	1-Hr	ALL	1st	YES
503650	4858200	122.4945	686.01	686.01	0	1-Hr	ALL	1st	YES
503675	4858200	120.1905	687.49	687.49	0	1-Hr	ALL	1st	YES
503700	4858200	125.7994	689.04	689.04	0	1-Hr	ALL	1st	YES
503725	4858200	121.6189	689.84	689.84	0	1-Hr	ALL	1st	YES
503750	4858200	127.6092	690.29	690.29	0	1-Hr	ALL	1st	YES
503775	4858200	127.3044	690.57	690.57	0	1-Hr	ALL	1st	YES
503800	4858200	134.0514	690.54	690.54	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503825	4858200	151.2524	690.66	690.66	0	1-Hr	ALL	1st	YES
503850	4858200	151.3593	691.33	691.33	0	1-Hr	ALL	1st	YES
503875	4858200	147.4748	692.84	692.84	0	1-Hr	ALL	1st	YES
503900	4858200	152.6926	694.01	694.01	0	1-Hr	ALL	1st	YES
503925	4858200	139.1469	695.21	695.21	0	1-Hr	ALL	1st	YES
503950	4858200	155.8742	695.81	695.81	0	1-Hr	ALL	1st	YES
503975	4858200	158.4337	696.04	696.04	0	1-Hr	ALL	1st	YES
504000	4858200	132.9468	696.17	696.17	0	1-Hr	ALL	1st	YES
504025	4858200	134.5839	696.35	696.35	0	1-Hr	ALL	1st	YES
504050	4858200	125.5028	696.37	696.37	0	1-Hr	ALL	1st	YES
504075	4858200	122.0245	696.28	696.28	0	1-Hr	ALL	1st	YES
504100	4858200	113.3765	696.08	696.08	0	1-Hr	ALL	1st	YES
504125	4858200	112.1679	695.89	695.89	0	1-Hr	ALL	1st	YES
504150	4858200	104.1101	695.84	695.84	0	1-Hr	ALL	1st	YES
504175	4858200	106.1467	695.56	695.56	0	1-Hr	ALL	1st	YES
504200	4858200	98.00533	695.47	695.47	0	1-Hr	ALL	1st	YES
504225	4858200	98.71131	695.62	695.62	0	1-Hr	ALL	1st	YES
504250	4858200	122.8413	695.9	695.9	0	1-Hr	ALL	1st	YES
504275	4858200	104.463	696.42	696.42	0	1-Hr	ALL	1st	YES
504300	4858200	100.2363	697.09	697.09	0	1-Hr	ALL	1st	YES
504325	4858200	94.40733	697.77	697.77	0	1-Hr	ALL	1st	YES
504350	4858200	89.01376	698.61	698.61	0	1-Hr	ALL	1st	YES
504375	4858200	91.29318	699.36	699.36	0	1-Hr	ALL	1st	YES
504400	4858200	88.28018	699.94	699.94	0	1-Hr	ALL	1st	YES
504425	4858200	86.12704	700.3	700.3	0	1-Hr	ALL	1st	YES
502600	4856700	34.58126	691.73	691.73	0	1-Hr	ALL	1st	YES
502700	4856700	34.45536	692.15	692.15	0	1-Hr	ALL	1st	YES
502800	4856700	35.60682	692.26	692.26	0	1-Hr	ALL	1st	YES
502900	4856700	39.16677	692.39	692.39	0	1-Hr	ALL	1st	YES
503000	4856700	39.80716	692.49	692.49	0	1-Hr	ALL	1st	YES
503100	4856700	39.4513	693.09	693.09	0	1-Hr	ALL	1st	YES
503200	4856700	39.90741	693.58	693.58	0	1-Hr	ALL	1st	YES
503300	4856700	44.8523	693.76	693.76	0	1-Hr	ALL	1st	YES
503400	4856700	49.47019	694.13	694.13	0	1-Hr	ALL	1st	YES
503500	4856700	52.7014	695.75	695.75	0	1-Hr	ALL	1st	YES
503600	4856700	53.13659	696.95	696.95	0	1-Hr	ALL	1st	YES
503700	4856700	57.71363	697.37	697.37	0	1-Hr	ALL	1st	YES
503800	4856700	54.68165	702.28	702.28	0	1-Hr	ALL	1st	YES
503900	4856700	56.2478	703.06	703.06	0	1-Hr	ALL	1st	YES
504000	4856700	58.51027	702.83	702.83	0	1-Hr	ALL	1st	YES
504100	4856700	58.13404	700.16	700.16	0	1-Hr	ALL	1st	YES
504200	4856700	66.14711	700.65	700.65	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504300	4856700	61.15596	700.57	700.57	0	1-Hr	ALL	1st	YES
504400	4856700	58.69593	704.26	706.85	0	1-Hr	ALL	1st	YES
504500	4856700	45.94845	708.37	708.37	0	1-Hr	ALL	1st	YES
504600	4856700	36.02104	711.16	720.63	0	1-Hr	ALL	1st	YES
504700	4856700	27.00068	720.3	720.3	0	1-Hr	ALL	1st	YES
504800	4856700	21.92345	725.97	725.97	0	1-Hr	ALL	1st	YES
504900	4856700	20.03106	728.24	728.24	0	1-Hr	ALL	1st	YES
505000	4856700	16.7921	732.97	732.97	0	1-Hr	ALL	1st	YES
505100	4856700	14.10214	735.86	735.86	0	1-Hr	ALL	1st	YES
505200	4856700	15.44173	738.37	738.37	0	1-Hr	ALL	1st	YES
505300	4856700	12.62074	738.56	738.56	0	1-Hr	ALL	1st	YES
505400	4856700	13.88373	738.56	738.56	0	1-Hr	ALL	1st	YES
502600	4856800	35.27758	691.39	691.39	0	1-Hr	ALL	1st	YES
502700	4856800	38.40551	691.85	691.85	0	1-Hr	ALL	1st	YES
502800	4856800	37.86088	692.19	692.19	0	1-Hr	ALL	1st	YES
502900	4856800	39.15302	691.95	691.95	0	1-Hr	ALL	1st	YES
503000	4856800	43.46304	691.59	691.59	0	1-Hr	ALL	1st	YES
503100	4856800	43.32865	692.32	692.32	0	1-Hr	ALL	1st	YES
503200	4856800	43.29809	693.36	693.36	0	1-Hr	ALL	1st	YES
503300	4856800	44.45469	694.16	694.16	0	1-Hr	ALL	1st	YES
503400	4856800	51.17838	695.78	695.78	0	1-Hr	ALL	1st	YES
503500	4856800	53.46068	696.46	696.46	0	1-Hr	ALL	1st	YES
503600	4856800	53.36611	697.41	697.41	0	1-Hr	ALL	1st	YES
503700	4856800	64.02975	699.72	702.65	0	1-Hr	ALL	1st	YES
503800	4856800	58.21808	701.8	701.8	0	1-Hr	ALL	1st	YES
503900	4856800	62.009	701.16	701.16	0	1-Hr	ALL	1st	YES
504000	4856800	63.00261	702.47	702.47	0	1-Hr	ALL	1st	YES
504100	4856800	59.11097	703.55	703.55	0	1-Hr	ALL	1st	YES
504200	4856800	64.26741	703.99	703.99	0	1-Hr	ALL	1st	YES
504300	4856800	60.92035	703.43	703.43	0	1-Hr	ALL	1st	YES
504400	4856800	70.12262	702	727.1	0	1-Hr	ALL	1st	YES
504500	4856800	63.70477	704.48	727.18	0	1-Hr	ALL	1st	YES
504600	4856800	48.23596	707.38	707.38	0	1-Hr	ALL	1st	YES
504700	4856800	38.67241	712.17	726.28	0	1-Hr	ALL	1st	YES
504800	4856800	30.73337	721.19	721.19	0	1-Hr	ALL	1st	YES
504900	4856800	22.66097	725.14	725.14	0	1-Hr	ALL	1st	YES
505000	4856800	20.11011	729.27	729.27	0	1-Hr	ALL	1st	YES
505100	4856800	19.87091	733.6	733.6	0	1-Hr	ALL	1st	YES
505200	4856800	16.48377	734.43	734.43	0	1-Hr	ALL	1st	YES
505300	4856800	16.12876	733.04	738.45	0	1-Hr	ALL	1st	YES
505400	4856800	13.03782	736.45	738.25	0	1-Hr	ALL	1st	YES
502600	4856900	35.76886	691	691	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502700	4856900	40.10948	691.61	691.61	0	1-Hr	ALL	1st	YES
502800	4856900	41.66532	691.11	691.11	0	1-Hr	ALL	1st	YES
502900	4856900	41.06553	690.83	690.83	0	1-Hr	ALL	1st	YES
503000	4856900	42.95416	691.27	691.27	0	1-Hr	ALL	1st	YES
503100	4856900	48.85857	691.9	691.9	0	1-Hr	ALL	1st	YES
503200	4856900	46.32089	693.71	693.71	0	1-Hr	ALL	1st	YES
503300	4856900	46.44206	694.33	694.33	0	1-Hr	ALL	1st	YES
503400	4856900	53.86728	695.81	695.81	0	1-Hr	ALL	1st	YES
503500	4856900	60.46578	697.16	697.16	0	1-Hr	ALL	1st	YES
503600	4856900	59.80907	698.21	698.21	0	1-Hr	ALL	1st	YES
503700	4856900	63.32312	699.62	700.69	0	1-Hr	ALL	1st	YES
503800	4856900	64.149	697.76	702.63	0	1-Hr	ALL	1st	YES
503900	4856900	65.90272	696.94	696.94	0	1-Hr	ALL	1st	YES
504000	4856900	69.81861	701.39	701.39	0	1-Hr	ALL	1st	YES
504100	4856900	63.92783	703.13	703.13	0	1-Hr	ALL	1st	YES
504200	4856900	60.84654	706.05	706.05	0	1-Hr	ALL	1st	YES
504300	4856900	51.31857	708.55	708.55	0	1-Hr	ALL	1st	YES
504400	4856900	48.24272	709.19	727.1	0	1-Hr	ALL	1st	YES
504500	4856900	45.23867	710.31	727.24	0	1-Hr	ALL	1st	YES
504600	4856900	55.47902	707.29	727.43	0	1-Hr	ALL	1st	YES
504700	4856900	54.61924	708.02	720.33	0	1-Hr	ALL	1st	YES
504800	4856900	33.39119	714.26	721.39	0	1-Hr	ALL	1st	YES
504900	4856900	28.97318	721.51	721.51	0	1-Hr	ALL	1st	YES
505000	4856900	27.26817	725.71	725.71	0	1-Hr	ALL	1st	YES
505100	4856900	20.67187	732.53	732.53	0	1-Hr	ALL	1st	YES
505200	4856900	20.65301	727.37	732.59	0	1-Hr	ALL	1st	YES
505300	4856900	19.22039	729.19	729.19	0	1-Hr	ALL	1st	YES
505400	4856900	17.10123	728.78	737.38	0	1-Hr	ALL	1st	YES
502600	4857000	40.19088	691.56	691.56	0	1-Hr	ALL	1st	YES
502700	4857000	39.13194	691.45	691.45	0	1-Hr	ALL	1st	YES
502800	4857000	43.70507	689.87	689.87	0	1-Hr	ALL	1st	YES
502900	4857000	44.3887	689.81	689.81	0	1-Hr	ALL	1st	YES
503000	4857000	45.52805	689.97	689.97	0	1-Hr	ALL	1st	YES
503100	4857000	47.41505	691.42	691.42	0	1-Hr	ALL	1st	YES
503200	4857000	54.76818	694.14	694.14	0	1-Hr	ALL	1st	YES
503300	4857000	54.35794	695.65	695.65	0	1-Hr	ALL	1st	YES
503400	4857000	54.79118	696.26	696.26	0	1-Hr	ALL	1st	YES
503500	4857000	60.38993	697.2	697.2	0	1-Hr	ALL	1st	YES
503600	4857000	59.68308	698.66	698.66	0	1-Hr	ALL	1st	YES
503700	4857000	58.81915	702.08	702.08	0	1-Hr	ALL	1st	YES
503800	4857000	67.41462	701.5	701.5	0	1-Hr	ALL	1st	YES
503900	4857000	64.02331	699.46	702.75	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4857000	68.53084	702.88	702.88	0	1-Hr	ALL	1st	YES
504100	4857000	69.56148	702.63	702.63	0	1-Hr	ALL	1st	YES
504200	4857000	61.26946	706.54	706.54	0	1-Hr	ALL	1st	YES
504300	4857000	58.34291	708	708	0	1-Hr	ALL	1st	YES
504400	4857000	45.29491	712.27	727.18	0	1-Hr	ALL	1st	YES
504500	4857000	32.44974	722.63	727.18	0	1-Hr	ALL	1st	YES
504600	4857000	36.13966	718.84	727.39	0	1-Hr	ALL	1st	YES
504700	4857000	58.57086	707.07	727.46	0	1-Hr	ALL	1st	YES
504800	4857000	46.97864	710.91	720.7	0	1-Hr	ALL	1st	YES
504900	4857000	36.88667	717.17	720.58	0	1-Hr	ALL	1st	YES
505000	4857000	31.75693	721.37	721.37	0	1-Hr	ALL	1st	YES
505100	4857000	26.89255	722.02	732.82	0	1-Hr	ALL	1st	YES
505200	4857000	25.72602	724.48	724.48	0	1-Hr	ALL	1st	YES
505300	4857000	21.48135	725.88	733.56	0	1-Hr	ALL	1st	YES
505400	4857000	15.54095	734.81	734.81	0	1-Hr	ALL	1st	YES
502600	4857100	43.20712	690.31	690.31	0	1-Hr	ALL	1st	YES
502700	4857100	44.24299	689.56	689.56	0	1-Hr	ALL	1st	YES
502800	4857100	46.40312	690.22	690.22	0	1-Hr	ALL	1st	YES
502900	4857100	47.52618	691.09	691.09	0	1-Hr	ALL	1st	YES
503000	4857100	51.24634	691.42	691.42	0	1-Hr	ALL	1st	YES
503100	4857100	53.309	692.13	692.13	0	1-Hr	ALL	1st	YES
503200	4857100	53.41042	693.45	693.45	0	1-Hr	ALL	1st	YES
503300	4857100	59.69558	694.05	694.05	0	1-Hr	ALL	1st	YES
503400	4857100	59.425	695.71	695.71	0	1-Hr	ALL	1st	YES
503500	4857100	58.93487	697.05	697.05	0	1-Hr	ALL	1st	YES
503600	4857100	65.73138	699.03	699.03	0	1-Hr	ALL	1st	YES
503700	4857100	60.0509	702.14	702.14	0	1-Hr	ALL	1st	YES
503800	4857100	66.1211	702.82	702.82	0	1-Hr	ALL	1st	YES
503900	4857100	72.74967	697.95	697.95	0	1-Hr	ALL	1st	YES
504000	4857100	71.90886	702.85	702.85	0	1-Hr	ALL	1st	YES
504100	4857100	66.23948	704.54	704.54	0	1-Hr	ALL	1st	YES
504200	4857100	56.60915	708.52	708.52	0	1-Hr	ALL	1st	YES
504300	4857100	59.63848	710.32	710.32	0	1-Hr	ALL	1st	YES
504400	4857100	50.6468	713.07	713.07	0	1-Hr	ALL	1st	YES
504500	4857100	43.41172	721.16	726.97	0	1-Hr	ALL	1st	YES
504600	4857100	35.07387	727.25	727.25	0	1-Hr	ALL	1st	YES
504700	4857100	42.18108	715.93	727.46	0	1-Hr	ALL	1st	YES
504800	4857100	60.09112	707.73	727.43	0	1-Hr	ALL	1st	YES
504900	4857100	43.19641	714.33	724.9	0	1-Hr	ALL	1st	YES
505000	4857100	28.81196	722.27	726.93	0	1-Hr	ALL	1st	YES
505100	4857100	26.36415	726.7	726.7	0	1-Hr	ALL	1st	YES
505200	4857100	22.97925	727.54	727.54	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505300	4857100	20.35098	728.19	728.19	0	1-Hr	ALL	1st	YES
505400	4857100	19.06567	726.29	736.79	0	1-Hr	ALL	1st	YES
502600	4857200	44.92507	689.56	689.56	0	1-Hr	ALL	1st	YES
502700	4857200	50.18544	690.38	690.38	0	1-Hr	ALL	1st	YES
502800	4857200	49.82931	691.33	691.33	0	1-Hr	ALL	1st	YES
502900	4857200	54.33466	691.84	691.84	0	1-Hr	ALL	1st	YES
503000	4857200	52.13535	692.31	692.31	0	1-Hr	ALL	1st	YES
503100	4857200	60.32574	692.73	692.73	0	1-Hr	ALL	1st	YES
503200	4857200	59.95415	693.46	693.46	0	1-Hr	ALL	1st	YES
503300	4857200	58.98268	694.61	694.61	0	1-Hr	ALL	1st	YES
503400	4857200	69.85014	696.47	696.47	0	1-Hr	ALL	1st	YES
503500	4857200	66.4371	697.12	697.12	0	1-Hr	ALL	1st	YES
503600	4857200	67.1031	698.48	698.48	0	1-Hr	ALL	1st	YES
503700	4857200	66.15587	698.83	698.83	0	1-Hr	ALL	1st	YES
503800	4857200	67.55473	702.26	702.26	0	1-Hr	ALL	1st	YES
503900	4857200	76.21199	698.99	701.79	0	1-Hr	ALL	1st	YES
504000	4857200	75.75663	702.31	702.31	0	1-Hr	ALL	1st	YES
504100	4857200	78.45171	702.36	702.36	0	1-Hr	ALL	1st	YES
504200	4857200	60.37618	708.24	708.24	0	1-Hr	ALL	1st	YES
504300	4857200	61.32682	710.05	710.05	0	1-Hr	ALL	1st	YES
504400	4857200	53.33492	711.83	711.83	0	1-Hr	ALL	1st	YES
504500	4857200	48.42149	718.36	727.19	0	1-Hr	ALL	1st	YES
504600	4857200	37.51978	727.34	727.34	0	1-Hr	ALL	1st	YES
504700	4857200	37.69589	725.39	726.48	0	1-Hr	ALL	1st	YES
504800	4857200	49.41499	713.5	727.56	0	1-Hr	ALL	1st	YES
504900	4857200	46.42536	712.68	727.23	0	1-Hr	ALL	1st	YES
505000	4857200	33.62458	723.51	723.51	0	1-Hr	ALL	1st	YES
505100	4857200	27.75001	724.91	724.91	0	1-Hr	ALL	1st	YES
505200	4857200	26.21555	723.16	726.1	0	1-Hr	ALL	1st	YES
505300	4857200	28.51402	718.88	726.92	0	1-Hr	ALL	1st	YES
505400	4857200	30.53903	716.82	736.79	0	1-Hr	ALL	1st	YES
502600	4857300	48.55551	689.84	689.84	0	1-Hr	ALL	1st	YES
502700	4857300	56.71745	689.89	689.89	0	1-Hr	ALL	1st	YES
502800	4857300	56.148	691.65	691.65	0	1-Hr	ALL	1st	YES
502900	4857300	59.59985	692.11	692.11	0	1-Hr	ALL	1st	YES
503000	4857300	60.8962	692.63	692.63	0	1-Hr	ALL	1st	YES
503100	4857300	61.5401	693.25	693.25	0	1-Hr	ALL	1st	YES
503200	4857300	65.55765	693.91	693.91	0	1-Hr	ALL	1st	YES
503300	4857300	67.88761	695.81	695.81	0	1-Hr	ALL	1st	YES
503400	4857300	68.19626	697.07	697.07	0	1-Hr	ALL	1st	YES
503500	4857300	72.23469	698.02	698.02	0	1-Hr	ALL	1st	YES
503600	4857300	70.72315	697.35	697.35	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503700	4857300	73.13744	697.25	697.25	0	1-Hr	ALL	1st	YES
503800	4857300	68.40103	699.48	699.48	0	1-Hr	ALL	1st	YES
503900	4857300	72.89767	701.79	701.79	0	1-Hr	ALL	1st	YES
504000	4857300	76.4976	702.37	702.37	0	1-Hr	ALL	1st	YES
504100	4857300	73.52019	704.05	704.05	0	1-Hr	ALL	1st	YES
504200	4857300	85.07674	703.64	703.64	0	1-Hr	ALL	1st	YES
504300	4857300	77.40824	706.27	706.27	0	1-Hr	ALL	1st	YES
504400	4857300	71.53193	707.87	726.87	0	1-Hr	ALL	1st	YES
504500	4857300	56.12129	715.3	727.34	0	1-Hr	ALL	1st	YES
504600	4857300	41.60809	726.72	726.72	0	1-Hr	ALL	1st	YES
504700	4857300	38.68788	727.56	727.56	0	1-Hr	ALL	1st	YES
504800	4857300	36.62492	726.17	726.17	0	1-Hr	ALL	1st	YES
504900	4857300	45.84343	713.67	727.41	0	1-Hr	ALL	1st	YES
505000	4857300	47.35313	712.14	732.89	0	1-Hr	ALL	1st	YES
505100	4857300	41.02831	713.52	733.06	0	1-Hr	ALL	1st	YES
505200	4857300	42.32323	713.31	733.18	0	1-Hr	ALL	1st	YES
505300	4857300	26.35955	719.48	727.5	0	1-Hr	ALL	1st	YES
505400	4857300	20.95538	724.41	726.7	0	1-Hr	ALL	1st	YES
502600	4857400	52.16948	691.08	691.08	0	1-Hr	ALL	1st	YES
502700	4857400	54.08774	690.89	690.89	0	1-Hr	ALL	1st	YES
502800	4857400	60.57484	691.37	691.37	0	1-Hr	ALL	1st	YES
502900	4857400	68.61431	692.04	692.04	0	1-Hr	ALL	1st	YES
503000	4857400	68.07199	692.82	692.82	0	1-Hr	ALL	1st	YES
503100	4857400	68.17778	693.46	693.46	0	1-Hr	ALL	1st	YES
503200	4857400	70.4729	694.06	694.06	0	1-Hr	ALL	1st	YES
503300	4857400	71.34032	696.09	696.09	0	1-Hr	ALL	1st	YES
503400	4857400	76.1249	697.09	697.09	0	1-Hr	ALL	1st	YES
503500	4857400	74.05781	697.09	697.09	0	1-Hr	ALL	1st	YES
503600	4857400	76.42927	696.7	696.7	0	1-Hr	ALL	1st	YES
503700	4857400	75.58443	697.06	697.06	0	1-Hr	ALL	1st	YES
503800	4857400	77.84831	699.95	699.95	0	1-Hr	ALL	1st	YES
503900	4857400	80.51795	700.95	700.95	0	1-Hr	ALL	1st	YES
504000	4857400	85.87021	701.52	701.52	0	1-Hr	ALL	1st	YES
504100	4857400	93.75785	702.06	702.06	0	1-Hr	ALL	1st	YES
504200	4857400	101.9519	701.96	701.96	0	1-Hr	ALL	1st	YES
504300	4857400	93.48026	702.44	702.44	0	1-Hr	ALL	1st	YES
504400	4857400	99.56334	703.29	727.1	0	1-Hr	ALL	1st	YES
504500	4857400	64.82695	710.89	727.19	0	1-Hr	ALL	1st	YES
504600	4857400	49.24472	720.45	726.34	0	1-Hr	ALL	1st	YES
504700	4857400	40.98868	727.29	727.29	0	1-Hr	ALL	1st	YES
504800	4857400	37.91098	727.45	727.45	0	1-Hr	ALL	1st	YES
504900	4857400	34.94094	724.34	726.27	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505000	4857400	37.26529	722.16	732.75	0	1-Hr	ALL	1st	YES
505100	4857400	28.3299	722.89	732.99	0	1-Hr	ALL	1st	YES
505200	4857400	24.46424	727.7	732.56	0	1-Hr	ALL	1st	YES
505300	4857400	24.49363	727.68	727.68	0	1-Hr	ALL	1st	YES
505400	4857400	22.42394	728.99	728.99	0	1-Hr	ALL	1st	YES
502600	4857500	52.33585	691.35	691.35	0	1-Hr	ALL	1st	YES
502700	4857500	54.83465	691.82	691.82	0	1-Hr	ALL	1st	YES
502800	4857500	63.36334	691.43	691.43	0	1-Hr	ALL	1st	YES
502900	4857500	68.12447	692.42	692.42	0	1-Hr	ALL	1st	YES
503000	4857500	70.95929	692.81	692.81	0	1-Hr	ALL	1st	YES
503100	4857500	78.09379	693.47	693.47	0	1-Hr	ALL	1st	YES
503200	4857500	80.21165	694.06	694.06	0	1-Hr	ALL	1st	YES
503300	4857500	74.6911	694.88	694.88	0	1-Hr	ALL	1st	YES
503400	4857500	80.40699	696	696	0	1-Hr	ALL	1st	YES
503500	4857500	84.34914	695.79	695.79	0	1-Hr	ALL	1st	YES
503600	4857500	83.37411	695.79	695.79	0	1-Hr	ALL	1st	YES
503700	4857500	79.41061	696.14	696.14	0	1-Hr	ALL	1st	YES
503800	4857500	85.0211	697.09	697.09	0	1-Hr	ALL	1st	YES
503900	4857500	90.73579	698.3	698.3	0	1-Hr	ALL	1st	YES
504000	4857500	109.5502	698.32	698.32	0	1-Hr	ALL	1st	YES
504100	4857500	115.5622	699.94	699.94	0	1-Hr	ALL	1st	YES
504200	4857500	121.4553	700.44	701.55	0	1-Hr	ALL	1st	YES
504300	4857500	117.3561	702.02	702.02	0	1-Hr	ALL	1st	YES
504400	4857500	121.8287	702.12	702.12	0	1-Hr	ALL	1st	YES
504500	4857500	83.07572	707.48	726.7	0	1-Hr	ALL	1st	YES
504600	4857500	54.806	716.69	726.67	0	1-Hr	ALL	1st	YES
504700	4857500	43.46449	723.93	726.47	0	1-Hr	ALL	1st	YES
504800	4857500	42.51236	727.62	727.62	0	1-Hr	ALL	1st	YES
504900	4857500	33.41916	726.31	726.31	0	1-Hr	ALL	1st	YES
505000	4857500	31.27064	730.76	730.76	0	1-Hr	ALL	1st	YES
505100	4857500	28.04753	732.28	732.28	0	1-Hr	ALL	1st	YES
505200	4857500	24.56193	733.2	733.2	0	1-Hr	ALL	1st	YES
505300	4857500	21.72179	732.51	732.51	0	1-Hr	ALL	1st	YES
505400	4857500	18.10865	733.11	733.11	0	1-Hr	ALL	1st	YES
502600	4857600	54.49197	691.36	691.36	0	1-Hr	ALL	1st	YES
502700	4857600	59.98321	691.98	691.98	0	1-Hr	ALL	1st	YES
502800	4857600	64.45862	692.24	692.24	0	1-Hr	ALL	1st	YES
502900	4857600	69.48313	692.61	692.61	0	1-Hr	ALL	1st	YES
503000	4857600	73.26805	692.69	692.69	0	1-Hr	ALL	1st	YES
503100	4857600	79.54227	693.15	693.15	0	1-Hr	ALL	1st	YES
503200	4857600	83.91851	693.74	693.74	0	1-Hr	ALL	1st	YES
503300	4857600	90.02471	694.35	694.35	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503400	4857600	92.39876	694.84	694.84	0	1-Hr	ALL	1st	YES
503500	4857600	82.56345	694.67	694.67	0	1-Hr	ALL	1st	YES
503600	4857600	79.85334	694.98	694.98	0	1-Hr	ALL	1st	YES
503700	4857600	83.35132	695.17	695.17	0	1-Hr	ALL	1st	YES
503800	4857600	89.67598	695.48	695.48	0	1-Hr	ALL	1st	YES
503900	4857600	97.53562	695.98	695.98	0	1-Hr	ALL	1st	YES
504000	4857600	129.0119	696.98	696.98	0	1-Hr	ALL	1st	YES
504100	4857600	140.0309	697.42	697.42	0	1-Hr	ALL	1st	YES
504200	4857600	142.7657	695.86	695.86	0	1-Hr	ALL	1st	YES
504300	4857600	153.8464	699.72	699.72	0	1-Hr	ALL	1st	YES
504400	4857600	142.5233	702.01	702.01	0	1-Hr	ALL	1st	YES
504500	4857600	110.0535	705.69	705.69	0	1-Hr	ALL	1st	YES
504600	4857600	78.07797	710.54	726.25	0	1-Hr	ALL	1st	YES
504700	4857600	53.54438	717.75	726.66	0	1-Hr	ALL	1st	YES
504800	4857600	42.36112	726.8	726.8	0	1-Hr	ALL	1st	YES
504900	4857600	36.65437	728.7	728.7	0	1-Hr	ALL	1st	YES
505000	4857600	31.01228	730.92	730.92	0	1-Hr	ALL	1st	YES
505100	4857600	25.30937	733.06	733.06	0	1-Hr	ALL	1st	YES
505200	4857600	22.17132	734.27	734.27	0	1-Hr	ALL	1st	YES
505300	4857600	19.09374	736.48	736.48	0	1-Hr	ALL	1st	YES
505400	4857600	18.21846	735.68	735.68	0	1-Hr	ALL	1st	YES
502600	4857700	52.21342	691.74	691.74	0	1-Hr	ALL	1st	YES
502700	4857700	60.6225	691.81	691.81	0	1-Hr	ALL	1st	YES
502800	4857700	68.29472	692.21	692.21	0	1-Hr	ALL	1st	YES
502900	4857700	72.27726	692.37	692.37	0	1-Hr	ALL	1st	YES
503000	4857700	76.98694	691.94	691.94	0	1-Hr	ALL	1st	YES
503100	4857700	81.46885	692.55	692.55	0	1-Hr	ALL	1st	YES
503200	4857700	84.0183	692.9	692.9	0	1-Hr	ALL	1st	YES
503300	4857700	91.02841	693.22	693.22	0	1-Hr	ALL	1st	YES
503400	4857700	94.07203	693.27	693.27	0	1-Hr	ALL	1st	YES
503500	4857700	99.35934	693.57	693.57	0	1-Hr	ALL	1st	YES
504500	4857700	135.6629	703.89	703.89	0	1-Hr	ALL	1st	YES
504600	4857700	97.76385	707.54	707.54	0	1-Hr	ALL	1st	YES
504700	4857700	61.43747	712.79	726.8	0	1-Hr	ALL	1st	YES
504800	4857700	44.09167	719.46	726.85	0	1-Hr	ALL	1st	YES
504900	4857700	38.1163	725.07	725.07	0	1-Hr	ALL	1st	YES
505000	4857700	31.24625	729.53	729.53	0	1-Hr	ALL	1st	YES
505100	4857700	27.14149	733.13	733.13	0	1-Hr	ALL	1st	YES
505200	4857700	23.37956	734.31	734.31	0	1-Hr	ALL	1st	YES
505300	4857700	19.44696	736.82	736.82	0	1-Hr	ALL	1st	YES
505400	4857700	17.65067	734.59	738.73	0	1-Hr	ALL	1st	YES
502600	4857800	54.92484	691.17	691.17	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502700	4857800	59.9483	691.64	691.64	0	1-Hr	ALL	1st	YES
502800	4857800	68.80515	692.02	692.02	0	1-Hr	ALL	1st	YES
502900	4857800	74.82188	689.98	689.98	0	1-Hr	ALL	1st	YES
503000	4857800	82.43494	691.03	691.03	0	1-Hr	ALL	1st	YES
503100	4857800	87.62215	692.16	692.16	0	1-Hr	ALL	1st	YES
503200	4857800	89.8749	691.79	691.79	0	1-Hr	ALL	1st	YES
503300	4857800	92.5947	690.68	690.68	0	1-Hr	ALL	1st	YES
503400	4857800	99.5763	691.4	691.4	0	1-Hr	ALL	1st	YES
503500	4857800	104.3114	692.43	692.43	0	1-Hr	ALL	1st	YES
504500	4857800	122.7004	702.37	702.37	0	1-Hr	ALL	1st	YES
504600	4857800	98.94156	704.3	704.3	0	1-Hr	ALL	1st	YES
504700	4857800	71.0446	708.71	708.71	0	1-Hr	ALL	1st	YES
504800	4857800	53.63535	713.07	713.07	0	1-Hr	ALL	1st	YES
504900	4857800	42.25283	718.98	718.98	0	1-Hr	ALL	1st	YES
505000	4857800	32.26747	727.64	727.64	0	1-Hr	ALL	1st	YES
505100	4857800	26.60382	732.87	732.87	0	1-Hr	ALL	1st	YES
505200	4857800	22.73073	733.61	733.61	0	1-Hr	ALL	1st	YES
505300	4857800	19.2323	733.58	733.58	0	1-Hr	ALL	1st	YES
505400	4857800	15.82504	732.53	732.53	0	1-Hr	ALL	1st	YES
502600	4857900	54.38895	691.07	691.07	0	1-Hr	ALL	1st	YES
502700	4857900	59.161	691.56	691.56	0	1-Hr	ALL	1st	YES
502800	4857900	63.93475	691.67	691.67	0	1-Hr	ALL	1st	YES
502900	4857900	67.53104	690.4	690.4	0	1-Hr	ALL	1st	YES
503000	4857900	73.16624	690.25	690.25	0	1-Hr	ALL	1st	YES
503100	4857900	81.26831	691.37	691.37	0	1-Hr	ALL	1st	YES
503200	4857900	85.44172	689.67	689.67	0	1-Hr	ALL	1st	YES
503300	4857900	91.75483	689.56	689.56	0	1-Hr	ALL	1st	YES
503400	4857900	101.4962	692.02	692.02	0	1-Hr	ALL	1st	YES
503500	4857900	111.9236	692.1	692.1	0	1-Hr	ALL	1st	YES
504500	4857900	116.7213	700.12	700.12	0	1-Hr	ALL	1st	YES
504600	4857900	98.03826	703.73	703.73	0	1-Hr	ALL	1st	YES
504700	4857900	77.51021	706.86	706.86	0	1-Hr	ALL	1st	YES
504800	4857900	59.18339	710.56	710.56	0	1-Hr	ALL	1st	YES
504900	4857900	41.96343	715.16	732.49	0	1-Hr	ALL	1st	YES
505000	4857900	30.3941	722.42	732.49	0	1-Hr	ALL	1st	YES
505100	4857900	23.24805	731.1	731.1	0	1-Hr	ALL	1st	YES
505200	4857900	20.21269	730.38	730.38	0	1-Hr	ALL	1st	YES
505300	4857900	18.4688	729.24	729.24	0	1-Hr	ALL	1st	YES
505400	4857900	15.10826	731.88	731.88	0	1-Hr	ALL	1st	YES
502600	4858000	54.42172	690.7	690.7	0	1-Hr	ALL	1st	YES
502700	4858000	59.06367	691.73	691.73	0	1-Hr	ALL	1st	YES
502800	4858000	63.11058	691.21	691.21	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502900	4858000	68.80367	691.28	691.28	0	1-Hr	ALL	1st	YES
503000	4858000	65.6689	685.33	685.33	0	1-Hr	ALL	1st	YES
503100	4858000	77.35024	688.84	688.84	0	1-Hr	ALL	1st	YES
503200	4858000	89.70484	690.25	690.25	0	1-Hr	ALL	1st	YES
503300	4858000	100.4979	691.4	691.4	0	1-Hr	ALL	1st	YES
503400	4858000	112.862	693.06	693.06	0	1-Hr	ALL	1st	YES
503500	4858000	123.9891	692.67	692.67	0	1-Hr	ALL	1st	YES
504500	4858000	116.3446	697.09	697.09	0	1-Hr	ALL	1st	YES
504600	4858000	93.46114	701.76	701.76	0	1-Hr	ALL	1st	YES
504700	4858000	81.25918	704.31	704.31	0	1-Hr	ALL	1st	YES
504800	4858000	67.07411	707.3	707.3	0	1-Hr	ALL	1st	YES
504900	4858000	51.06619	712.31	712.31	0	1-Hr	ALL	1st	YES
505000	4858000	39.54903	718.09	718.09	0	1-Hr	ALL	1st	YES
505100	4858000	31.11085	724.15	724.15	0	1-Hr	ALL	1st	YES
505200	4858000	27.97674	721.51	723.01	0	1-Hr	ALL	1st	YES
505300	4858000	21.79793	730.36	730.36	0	1-Hr	ALL	1st	YES
505400	4858000	19.0027	733.08	733.08	0	1-Hr	ALL	1st	YES
502600	4858100	57.63697	689.79	689.79	0	1-Hr	ALL	1st	YES
502700	4858100	63.81637	690.56	690.56	0	1-Hr	ALL	1st	YES
502800	4858100	65.97578	689.01	689.29	0	1-Hr	ALL	1st	YES
502900	4858100	62.39818	683.78	690.82	0	1-Hr	ALL	1st	YES
503000	4858100	79.86618	687.72	687.72	0	1-Hr	ALL	1st	YES
503100	4858100	98.83724	692.23	692.23	0	1-Hr	ALL	1st	YES
503200	4858100	108.7747	692.32	692.32	0	1-Hr	ALL	1st	YES
503300	4858100	133.6502	692.37	692.37	0	1-Hr	ALL	1st	YES
503400	4858100	147.348	692.54	692.54	0	1-Hr	ALL	1st	YES
503500	4858100	163.2213	691.85	691.85	0	1-Hr	ALL	1st	YES
504500	4858100	110.9993	696.08	696.08	0	1-Hr	ALL	1st	YES
504600	4858100	97.98543	697.67	697.67	0	1-Hr	ALL	1st	YES
504700	4858100	85.1863	700.66	700.66	0	1-Hr	ALL	1st	YES
504800	4858100	75.76152	704.13	704.13	0	1-Hr	ALL	1st	YES
504900	4858100	64.31356	707.6	707.6	0	1-Hr	ALL	1st	YES
505000	4858100	46.56349	711.44	716.34	0	1-Hr	ALL	1st	YES
505100	4858100	39.00902	714.45	723.82	0	1-Hr	ALL	1st	YES
505200	4858100	35.42832	713.9	733.31	0	1-Hr	ALL	1st	YES
505300	4858100	27.13229	723.03	732.84	0	1-Hr	ALL	1st	YES
505400	4858100	23.32933	726.45	726.45	0	1-Hr	ALL	1st	YES
502600	4858200	52.90877	688.6	688.6	0	1-Hr	ALL	1st	YES
502700	4858200	58.92205	688.49	688.49	0	1-Hr	ALL	1st	YES
502800	4858200	59.45927	682.88	682.88	0	1-Hr	ALL	1st	YES
502900	4858200	79.6491	690.29	690.29	0	1-Hr	ALL	1st	YES
503000	4858200	94.58542	692.04	692.04	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503100	4858200	105.1877	691.73	691.73	0	1-Hr	ALL	1st	YES
503200	4858200	115.8531	691.82	691.82	0	1-Hr	ALL	1st	YES
503300	4858200	127.8957	691.47	691.47	0	1-Hr	ALL	1st	YES
503400	4858200	121.6784	691.2	691.2	0	1-Hr	ALL	1st	YES
503500	4858200	118.4541	690.42	690.42	0	1-Hr	ALL	1st	YES
504500	4858200	76.75168	700.77	700.77	0	1-Hr	ALL	1st	YES
504600	4858200	99.67022	699.04	699.04	0	1-Hr	ALL	1st	YES
504700	4858200	92.72771	698.92	698.92	0	1-Hr	ALL	1st	YES
504800	4858200	86.69129	700.3	700.3	0	1-Hr	ALL	1st	YES
504900	4858200	76.01929	701.77	701.77	0	1-Hr	ALL	1st	YES
505000	4858200	69.99352	702.04	723.82	0	1-Hr	ALL	1st	YES
505100	4858200	61.79708	704.31	726.61	0	1-Hr	ALL	1st	YES
505200	4858200	53.94457	706.74	733.31	0	1-Hr	ALL	1st	YES
505300	4858200	40.15127	710.39	733.36	0	1-Hr	ALL	1st	YES
505400	4858200	27.67072	715.52	729.99	0	1-Hr	ALL	1st	YES
502600	4858300	54.96058	687	687	0	1-Hr	ALL	1st	YES
502700	4858300	55.16963	680.95	680.95	0	1-Hr	ALL	1st	YES
502800	4858300	63.31041	683.51	690.82	0	1-Hr	ALL	1st	YES
502900	4858300	80.92494	691.19	691.19	0	1-Hr	ALL	1st	YES
503000	4858300	91.79398	690.93	690.93	0	1-Hr	ALL	1st	YES
503100	4858300	95.48208	689.69	689.69	0	1-Hr	ALL	1st	YES
503200	4858300	100.715	691.56	691.56	0	1-Hr	ALL	1st	YES
503300	4858300	95.33803	690.18	690.18	0	1-Hr	ALL	1st	YES
503400	4858300	112.0802	690.68	690.68	0	1-Hr	ALL	1st	YES
503500	4858300	104.2646	683.98	690.52	0	1-Hr	ALL	1st	YES
503600	4858300	104.4222	688.34	689.69	0	1-Hr	ALL	1st	YES
503700	4858300	113.8988	690.62	690.62	0	1-Hr	ALL	1st	YES
503800	4858300	120.0971	692.21	692.21	0	1-Hr	ALL	1st	YES
503900	4858300	116.4737	693.58	693.58	0	1-Hr	ALL	1st	YES
504000	4858300	110.759	695.17	695.17	0	1-Hr	ALL	1st	YES
504100	4858300	106.637	696.89	696.89	0	1-Hr	ALL	1st	YES
504200	4858300	89.34797	696.38	696.38	0	1-Hr	ALL	1st	YES
504300	4858300	85.96293	698.65	698.65	0	1-Hr	ALL	1st	YES
504400	4858300	83.07804	701.53	701.53	0	1-Hr	ALL	1st	YES
504500	4858300	71.86232	703.53	703.53	0	1-Hr	ALL	1st	YES
504600	4858300	72.59746	702.77	702.77	0	1-Hr	ALL	1st	YES
504700	4858300	70.26616	702.05	702.05	0	1-Hr	ALL	1st	YES
504800	4858300	80.77462	702.13	702.13	0	1-Hr	ALL	1st	YES
504900	4858300	78.21556	702.13	702.13	0	1-Hr	ALL	1st	YES
505000	4858300	67.84388	704.15	704.15	0	1-Hr	ALL	1st	YES
505100	4858300	45.92724	708.83	727.82	0	1-Hr	ALL	1st	YES
505200	4858300	30.69248	717.87	726.89	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505300	4858300	27.89007	719.54	733.12	0	1-Hr	ALL	1st	YES
505400	4858300	22.80239	722.08	727.03	0	1-Hr	ALL	1st	YES
502600	4858400	50.18388	684.68	684.68	0	1-Hr	ALL	1st	YES
502700	4858400	55.89333	684.72	684.72	0	1-Hr	ALL	1st	YES
502800	4858400	68.36574	688.52	688.52	0	1-Hr	ALL	1st	YES
502900	4858400	76.37507	691.24	691.24	0	1-Hr	ALL	1st	YES
503000	4858400	69.0553	684.75	689.56	0	1-Hr	ALL	1st	YES
503100	4858400	79.11163	690.67	690.67	0	1-Hr	ALL	1st	YES
503200	4858400	86.00823	691.4	691.4	0	1-Hr	ALL	1st	YES
503300	4858400	77.63665	683.56	691.2	0	1-Hr	ALL	1st	YES
503400	4858400	83.5969	683.63	690.43	0	1-Hr	ALL	1st	YES
503500	4858400	79.95435	681.51	681.51	0	1-Hr	ALL	1st	YES
503600	4858400	89.70328	687.38	690.04	0	1-Hr	ALL	1st	YES
503700	4858400	108.7196	690.38	690.38	0	1-Hr	ALL	1st	YES
503800	4858400	110.651	690.8	690.8	0	1-Hr	ALL	1st	YES
503900	4858400	115.4873	691.05	691.05	0	1-Hr	ALL	1st	YES
504000	4858400	101.2964	692.27	692.27	0	1-Hr	ALL	1st	YES
504100	4858400	87.52862	694.02	694.02	0	1-Hr	ALL	1st	YES
504200	4858400	79.47264	693.7	693.7	0	1-Hr	ALL	1st	YES
504300	4858400	90.40575	696.6	696.6	0	1-Hr	ALL	1st	YES
504400	4858400	74.59685	700.22	700.22	0	1-Hr	ALL	1st	YES
504500	4858400	75.97323	701.72	701.72	0	1-Hr	ALL	1st	YES
504600	4858400	71.19495	701.54	701.54	0	1-Hr	ALL	1st	YES
504700	4858400	71.56103	701.77	701.77	0	1-Hr	ALL	1st	YES
504800	4858400	68.38543	700.9	700.9	0	1-Hr	ALL	1st	YES
504900	4858400	65.4243	701.98	701.98	0	1-Hr	ALL	1st	YES
505000	4858400	61.35615	705.76	705.76	0	1-Hr	ALL	1st	YES
505100	4858400	40.37524	712.72	727.19	0	1-Hr	ALL	1st	YES
505200	4858400	26.7712	722.54	727.53	0	1-Hr	ALL	1st	YES
505300	4858400	22.83548	729.96	732.38	0	1-Hr	ALL	1st	YES
505400	4858400	19.05963	729.3	729.3	0	1-Hr	ALL	1st	YES
502600	4858500	45.46734	676.4	686.21	0	1-Hr	ALL	1st	YES
502700	4858500	51.66892	684.2	685.69	0	1-Hr	ALL	1st	YES
502800	4858500	57.42386	687.13	687.13	0	1-Hr	ALL	1st	YES
502900	4858500	59.00114	686.5	686.5	0	1-Hr	ALL	1st	YES
503000	4858500	59.85385	685.33	691.59	0	1-Hr	ALL	1st	YES
503100	4858500	76.5852	690.54	690.54	0	1-Hr	ALL	1st	YES
503200	4858500	75.71248	684.36	691.61	0	1-Hr	ALL	1st	YES
503300	4858500	67.65803	679.48	690.82	0	1-Hr	ALL	1st	YES
503400	4858500	74.93375	685.25	685.25	0	1-Hr	ALL	1st	YES
503500	4858500	78.21217	686.96	686.96	0	1-Hr	ALL	1st	YES
503600	4858500	89.20277	683.17	690.26	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503700	4858500	80.5945	684.79	684.79	0	1-Hr	ALL	1st	YES
503800	4858500	81.39992	685.7	690.27	0	1-Hr	ALL	1st	YES
503900	4858500	88.32104	686.29	691.81	0	1-Hr	ALL	1st	YES
504000	4858500	81.40754	687.5	687.5	0	1-Hr	ALL	1st	YES
504100	4858500	74.57169	688.72	688.72	0	1-Hr	ALL	1st	YES
504200	4858500	71.46854	689.46	689.46	0	1-Hr	ALL	1st	YES
504300	4858500	76.07152	695.97	695.97	0	1-Hr	ALL	1st	YES
504400	4858500	68.72519	694.92	694.92	0	1-Hr	ALL	1st	YES
504500	4858500	73.82909	696.92	696.92	0	1-Hr	ALL	1st	YES
504600	4858500	71.30503	697.16	697.16	0	1-Hr	ALL	1st	YES
504700	4858500	69.46909	699.76	699.76	0	1-Hr	ALL	1st	YES
504800	4858500	67.16557	701.66	701.66	0	1-Hr	ALL	1st	YES
504900	4858500	60.80732	703.71	703.71	0	1-Hr	ALL	1st	YES
505000	4858500	47.37434	707.54	707.54	0	1-Hr	ALL	1st	YES
505100	4858500	35.64858	712.18	726.85	0	1-Hr	ALL	1st	YES
505200	4858500	30.58852	720.16	730.97	0	1-Hr	ALL	1st	YES
505300	4858500	21.95084	729	729	0	1-Hr	ALL	1st	YES
505400	4858500	17.93222	731.03	731.03	0	1-Hr	ALL	1st	YES
502600	4858600	44.47803	684.34	685.21	0	1-Hr	ALL	1st	YES
502700	4858600	43.25434	676.24	686.21	0	1-Hr	ALL	1st	YES
502800	4858600	46.39069	675.29	692.21	0	1-Hr	ALL	1st	YES
502900	4858600	55.68985	676.01	691.02	0	1-Hr	ALL	1st	YES
503000	4858600	55.09516	676.56	691.59	0	1-Hr	ALL	1st	YES
503100	4858600	64.72528	677.56	691.59	0	1-Hr	ALL	1st	YES
503200	4858600	61.919	681.34	690.28	0	1-Hr	ALL	1st	YES
503300	4858600	65.68078	684.79	690.73	0	1-Hr	ALL	1st	YES
503400	4858600	64.74993	683.47	691.45	0	1-Hr	ALL	1st	YES
503500	4858600	89.10561	691.15	691.15	0	1-Hr	ALL	1st	YES
503600	4858600	83.47429	690.09	690.09	0	1-Hr	ALL	1st	YES
503700	4858600	86.16551	690.05	690.05	0	1-Hr	ALL	1st	YES
503800	4858600	78.83802	689.38	689.78	0	1-Hr	ALL	1st	YES
503900	4858600	79.57591	689.32	689.67	0	1-Hr	ALL	1st	YES
504000	4858600	73.77138	688.74	688.74	0	1-Hr	ALL	1st	YES
504100	4858600	73.37591	692.32	692.32	0	1-Hr	ALL	1st	YES
504200	4858600	75.63516	696.54	696.54	0	1-Hr	ALL	1st	YES
504300	4858600	69.76815	694.86	694.86	0	1-Hr	ALL	1st	YES
504400	4858600	69.18324	695.64	695.64	0	1-Hr	ALL	1st	YES
504500	4858600	64.61805	697.3	697.3	0	1-Hr	ALL	1st	YES
504600	4858600	68.62969	698.35	698.35	0	1-Hr	ALL	1st	YES
504700	4858600	66.67038	699.82	699.82	0	1-Hr	ALL	1st	YES
504800	4858600	62.85519	701.3	701.3	0	1-Hr	ALL	1st	YES
504900	4858600	60.44107	703.95	703.95	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505000	4858600	48.34253	707.21	707.21	0	1-Hr	ALL	1st	YES
505100	4858600	35.84706	711.77	711.77	0	1-Hr	ALL	1st	YES
505200	4858600	27.9274	718.17	732.8	0	1-Hr	ALL	1st	YES
505300	4858600	20.51793	729.27	729.27	0	1-Hr	ALL	1st	YES
505400	4858600	18.17266	735.01	735.01	0	1-Hr	ALL	1st	YES
502600	4858700	39.67977	673.62	691.45	0	1-Hr	ALL	1st	YES
502700	4858700	47.91595	677.35	692.21	0	1-Hr	ALL	1st	YES
502800	4858700	50.04465	686.12	691.99	0	1-Hr	ALL	1st	YES
502900	4858700	62.59268	689.2	690.07	0	1-Hr	ALL	1st	YES
503000	4858700	63.18736	690.07	690.07	0	1-Hr	ALL	1st	YES
503100	4858700	59.7618	683.93	690.91	0	1-Hr	ALL	1st	YES
503200	4858700	66.35597	690.6	690.6	0	1-Hr	ALL	1st	YES
503300	4858700	66.18987	688.8	689.64	0	1-Hr	ALL	1st	YES
503400	4858700	71.40651	689.45	689.45	0	1-Hr	ALL	1st	YES
503500	4858700	70.33095	687.22	689.49	0	1-Hr	ALL	1st	YES
503600	4858700	79.64012	690.9	690.9	0	1-Hr	ALL	1st	YES
503700	4858700	75.90324	692.1	692.1	0	1-Hr	ALL	1st	YES
503800	4858700	86.20639	692.21	692.21	0	1-Hr	ALL	1st	YES
503900	4858700	70.48863	692.1	692.1	0	1-Hr	ALL	1st	YES
504000	4858700	70.71854	691.41	691.41	0	1-Hr	ALL	1st	YES
504100	4858700	66.63839	690.74	697.23	0	1-Hr	ALL	1st	YES
504200	4858700	74.98186	695.96	695.96	0	1-Hr	ALL	1st	YES
504300	4858700	68.49487	696.13	696.13	0	1-Hr	ALL	1st	YES
504400	4858700	70.43153	696.76	696.76	0	1-Hr	ALL	1st	YES
504500	4858700	65.3817	700.42	700.42	0	1-Hr	ALL	1st	YES
504600	4858700	61.21859	702.01	702.01	0	1-Hr	ALL	1st	YES
504700	4858700	62.82435	701.57	701.57	0	1-Hr	ALL	1st	YES
504800	4858700	58.64617	702.8	702.8	0	1-Hr	ALL	1st	YES
504900	4858700	53.81036	704.15	704.15	0	1-Hr	ALL	1st	YES
505000	4858700	45.04726	709.05	709.05	0	1-Hr	ALL	1st	YES
505100	4858700	34.28866	713.26	713.26	0	1-Hr	ALL	1st	YES
505200	4858700	24.73326	721.49	726.55	0	1-Hr	ALL	1st	YES
505300	4858700	19.44136	729.74	729.74	0	1-Hr	ALL	1st	YES
505400	4858700	15.997	737.59	737.59	0	1-Hr	ALL	1st	YES
502600	4858800	46.15048	684.84	690.96	0	1-Hr	ALL	1st	YES
502700	4858800	44.92351	680.61	692.21	0	1-Hr	ALL	1st	YES
502800	4858800	62.15525	690.87	690.87	0	1-Hr	ALL	1st	YES
502900	4858800	55.74682	691.01	691.01	0	1-Hr	ALL	1st	YES
503000	4858800	61.87314	690.9	690.9	0	1-Hr	ALL	1st	YES
503100	4858800	56.67449	688.45	688.45	0	1-Hr	ALL	1st	YES
503200	4858800	61.94037	690.63	690.63	0	1-Hr	ALL	1st	YES
503300	4858800	62.2945	689.78	689.78	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503400	4858800	70.28123	691.9	691.9	0	1-Hr	ALL	1st	YES
503500	4858800	66.27903	689.01	689.01	0	1-Hr	ALL	1st	YES
503600	4858800	71.86636	694.09	694.09	0	1-Hr	ALL	1st	YES
503700	4858800	67.01985	694.6	694.6	0	1-Hr	ALL	1st	YES
503800	4858800	73.81234	694.69	694.69	0	1-Hr	ALL	1st	YES
503900	4858800	64.08625	694.76	694.76	0	1-Hr	ALL	1st	YES
504000	4858800	64.52885	694.4	694.4	0	1-Hr	ALL	1st	YES
504100	4858800	62.70911	693.98	693.98	0	1-Hr	ALL	1st	YES
504200	4858800	61.58697	693.51	693.51	0	1-Hr	ALL	1st	YES
504300	4858800	64.4542	695.79	695.79	0	1-Hr	ALL	1st	YES
504400	4858800	67.85516	695.86	695.86	0	1-Hr	ALL	1st	YES
504500	4858800	62.4388	699.63	699.63	0	1-Hr	ALL	1st	YES
504600	4858800	58.94478	701.03	701.03	0	1-Hr	ALL	1st	YES
504700	4858800	55.16309	702.86	702.86	0	1-Hr	ALL	1st	YES
504800	4858800	50.19614	705.89	705.89	0	1-Hr	ALL	1st	YES
504900	4858800	46.87283	706.69	706.69	0	1-Hr	ALL	1st	YES
505000	4858800	41.32726	708.22	726.52	0	1-Hr	ALL	1st	YES
505100	4858800	35.75621	710.77	727.7	0	1-Hr	ALL	1st	YES
505200	4858800	25.15398	719.37	721.27	0	1-Hr	ALL	1st	YES
505300	4858800	20.45759	726.6	726.6	0	1-Hr	ALL	1st	YES
505400	4858800	15.9705	729.89	729.89	0	1-Hr	ALL	1st	YES
502600	4858900	54.31118	690.93	690.93	0	1-Hr	ALL	1st	YES
502700	4858900	56.48906	691.66	691.66	0	1-Hr	ALL	1st	YES
502800	4858900	41.41802	683.62	691.13	0	1-Hr	ALL	1st	YES
502900	4858900	54.32065	690.58	690.58	0	1-Hr	ALL	1st	YES
503000	4858900	53.56415	691.46	691.46	0	1-Hr	ALL	1st	YES
503100	4858900	54.926	690.04	690.04	0	1-Hr	ALL	1st	YES
503200	4858900	58.82602	692.31	692.31	0	1-Hr	ALL	1st	YES
503300	4858900	67.37494	692.62	692.62	0	1-Hr	ALL	1st	YES
503400	4858900	67.62683	696.3	696.3	0	1-Hr	ALL	1st	YES
503500	4858900	64.68948	689.56	696.67	0	1-Hr	ALL	1st	YES
503600	4858900	68.26339	696.08	696.08	0	1-Hr	ALL	1st	YES
503700	4858900	72.12176	696.1	696.1	0	1-Hr	ALL	1st	YES
503800	4858900	67.27403	696.23	696.23	0	1-Hr	ALL	1st	YES
503900	4858900	64.1554	696.42	696.42	0	1-Hr	ALL	1st	YES
504000	4858900	63.31966	696.22	696.22	0	1-Hr	ALL	1st	YES
504100	4858900	64.87491	696.71	696.71	0	1-Hr	ALL	1st	YES
504200	4858900	57.69301	693.67	693.67	0	1-Hr	ALL	1st	YES
504300	4858900	59.52917	695.52	695.52	0	1-Hr	ALL	1st	YES
504400	4858900	61.18726	696.96	696.96	0	1-Hr	ALL	1st	YES
504500	4858900	57.4633	698.59	698.59	0	1-Hr	ALL	1st	YES
504600	4858900	57.6886	701.39	701.39	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504700	4858900	52.86218	702.82	702.82	0	1-Hr	ALL	1st	YES
504800	4858900	40.79631	707.71	707.71	0	1-Hr	ALL	1st	YES
504900	4858900	37.92143	709.78	709.78	0	1-Hr	ALL	1st	YES
505000	4858900	30.5613	713.71	713.71	0	1-Hr	ALL	1st	YES
505100	4858900	22.69917	721.43	726.97	0	1-Hr	ALL	1st	YES
505200	4858900	21.36374	721.65	728.17	0	1-Hr	ALL	1st	YES
505300	4858900	22.73684	718.79	727.99	0	1-Hr	ALL	1st	YES
505400	4858900	18.13427	723.66	723.66	0	1-Hr	ALL	1st	YES
502600	4859000	48.08796	691.6	691.6	0	1-Hr	ALL	1st	YES
502700	4859000	45.84624	693.01	693.01	0	1-Hr	ALL	1st	YES
502800	4859000	46.32611	688.62	689.53	0	1-Hr	ALL	1st	YES
502900	4859000	47.16944	690.66	690.66	0	1-Hr	ALL	1st	YES
503000	4859000	51.03318	692.11	692.11	0	1-Hr	ALL	1st	YES
503100	4859000	52.38181	692.21	692.21	0	1-Hr	ALL	1st	YES
503200	4859000	64.4732	694.2	694.2	0	1-Hr	ALL	1st	YES
503300	4859000	61.22415	695.97	695.97	0	1-Hr	ALL	1st	YES
503400	4859000	60.9486	696.46	696.46	0	1-Hr	ALL	1st	YES
503500	4859000	56.50896	689.73	696.88	0	1-Hr	ALL	1st	YES
503600	4859000	55.11839	692.67	696.28	0	1-Hr	ALL	1st	YES
503700	4859000	65.39896	694.86	694.86	0	1-Hr	ALL	1st	YES
503800	4859000	62.93219	695.86	695.86	0	1-Hr	ALL	1st	YES
503900	4859000	58.7784	697.26	697.26	0	1-Hr	ALL	1st	YES
504000	4859000	58.62428	697.53	697.53	0	1-Hr	ALL	1st	YES
504100	4859000	59.46631	697.97	697.97	0	1-Hr	ALL	1st	YES
504200	4859000	59.913	696.27	696.27	0	1-Hr	ALL	1st	YES
504300	4859000	55.2283	696.6	696.6	0	1-Hr	ALL	1st	YES
504400	4859000	55.2177	695.68	695.68	0	1-Hr	ALL	1st	YES
504500	4859000	53.78619	699.26	699.26	0	1-Hr	ALL	1st	YES
504600	4859000	53.66931	702.06	702.06	0	1-Hr	ALL	1st	YES
504700	4859000	46.78997	705.11	705.11	0	1-Hr	ALL	1st	YES
504800	4859000	38.06418	707.95	707.95	0	1-Hr	ALL	1st	YES
504900	4859000	30.49559	711.51	711.51	0	1-Hr	ALL	1st	YES
505000	4859000	26.66273	715.52	715.52	0	1-Hr	ALL	1st	YES
505100	4859000	20.1346	722.85	726.33	0	1-Hr	ALL	1st	YES
505200	4859000	17.37392	728.6	728.6	0	1-Hr	ALL	1st	YES
505300	4859000	15.35806	728.37	728.37	0	1-Hr	ALL	1st	YES
505400	4859000	17.26256	726.2	726.2	0	1-Hr	ALL	1st	YES
502600	4859100	41.58605	692.07	692.07	0	1-Hr	ALL	1st	YES
502700	4859100	43.76254	692.37	692.37	0	1-Hr	ALL	1st	YES
502800	4859100	41.55841	689.76	689.76	0	1-Hr	ALL	1st	YES
502900	4859100	45.24253	691.06	691.06	0	1-Hr	ALL	1st	YES
503000	4859100	46.30296	692.3	692.3	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503100	4859100	57.57986	693.27	693.27	0	1-Hr	ALL	1st	YES
503200	4859100	54.34031	694.61	694.61	0	1-Hr	ALL	1st	YES
503300	4859100	56.25853	695.86	695.86	0	1-Hr	ALL	1st	YES
503400	4859100	60.65379	696.56	696.56	0	1-Hr	ALL	1st	YES
503500	4859100	58.44511	696.79	696.79	0	1-Hr	ALL	1st	YES
503600	4859100	56.63075	695.94	695.94	0	1-Hr	ALL	1st	YES
503700	4859100	62.23607	695.92	695.92	0	1-Hr	ALL	1st	YES
503800	4859100	56.09902	696.32	696.32	0	1-Hr	ALL	1st	YES
503900	4859100	54.11357	697.56	697.56	0	1-Hr	ALL	1st	YES
504000	4859100	53.77079	698.32	698.32	0	1-Hr	ALL	1st	YES
504100	4859100	54.44535	699.19	699.19	0	1-Hr	ALL	1st	YES
504200	4859100	56.22567	697.58	697.58	0	1-Hr	ALL	1st	YES
504300	4859100	53.07584	699.49	699.49	0	1-Hr	ALL	1st	YES
504400	4859100	57.12655	701.19	701.19	0	1-Hr	ALL	1st	YES
504500	4859100	53.81402	701.62	701.62	0	1-Hr	ALL	1st	YES
504600	4859100	50.15628	702.76	702.76	0	1-Hr	ALL	1st	YES
504700	4859100	41.94124	706.4	706.4	0	1-Hr	ALL	1st	YES
504800	4859100	34.07544	709.56	709.56	0	1-Hr	ALL	1st	YES
504900	4859100	26.42917	713.77	713.77	0	1-Hr	ALL	1st	YES
505000	4859100	22.8422	717.57	717.57	0	1-Hr	ALL	1st	YES
505100	4859100	19.01588	723.54	723.54	0	1-Hr	ALL	1st	YES
505200	4859100	15.50526	730.13	730.13	0	1-Hr	ALL	1st	YES
505300	4859100	13.41371	733.15	733.15	0	1-Hr	ALL	1st	YES
505400	4859100	11.80849	731.68	731.68	0	1-Hr	ALL	1st	YES
501500	4852500	12.49905	683.46	683.46	0	1-Hr	ALL	1st	YES
502000	4852500	13.4045	704.22	720.56	0	1-Hr	ALL	1st	YES
502500	4852500	8.30664	721.36	721.36	0	1-Hr	ALL	1st	YES
503000	4852500	10.89459	713.19	721.11	0	1-Hr	ALL	1st	YES
501000	4853000	7.82436	684.88	684.88	0	1-Hr	ALL	1st	YES
501500	4853000	13.72933	688.99	688.99	0	1-Hr	ALL	1st	YES
502000	4853000	11.60357	697.35	697.35	0	1-Hr	ALL	1st	YES
502500	4853000	16.87435	700.48	700.48	0	1-Hr	ALL	1st	YES
503000	4853000	10.46206	717.12	717.12	0	1-Hr	ALL	1st	YES
501000	4853500	7.91042	683.88	683.88	0	1-Hr	ALL	1st	YES
501500	4853500	9.69154	690.24	690.24	0	1-Hr	ALL	1st	YES
502000	4853500	21.26084	697.86	697.86	0	1-Hr	ALL	1st	YES
502500	4853500	18.03202	700.95	700.95	0	1-Hr	ALL	1st	YES
503000	4853500	15.759	709.59	714.24	0	1-Hr	ALL	1st	YES
503500	4853500	11.96383	715	715	0	1-Hr	ALL	1st	YES
501000	4854000	8.97974	683.56	683.56	0	1-Hr	ALL	1st	YES
501500	4854000	10.6062	691.36	691.36	0	1-Hr	ALL	1st	YES
502000	4854000	20.9685	696.33	696.33	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502500	4854000	15.39223	697.17	697.17	0	1-Hr	ALL	1st	YES
503000	4854000	19.90643	704.36	704.36	0	1-Hr	ALL	1st	YES
503500	4854000	8.02569	723.35	723.35	0	1-Hr	ALL	1st	YES
504000	4854000	10.26152	719.3	719.3	0	1-Hr	ALL	1st	YES
504500	4854000	8.0882	732.53	732.53	0	1-Hr	ALL	1st	YES
500500	4854500	8.11716	674.72	674.72	0	1-Hr	ALL	1st	YES
501000	4854500	10.69401	688.56	688.56	0	1-Hr	ALL	1st	YES
501500	4854500	11.53766	691.35	691.35	0	1-Hr	ALL	1st	YES
502000	4854500	13.48268	693.56	693.56	0	1-Hr	ALL	1st	YES
502500	4854500	24.19732	697.35	697.35	0	1-Hr	ALL	1st	YES
503000	4854500	24.3992	704.17	704.17	0	1-Hr	ALL	1st	YES
503500	4854500	21.39266	708.1	721.25	0	1-Hr	ALL	1st	YES
504000	4854500	9.83752	721.03	721.03	0	1-Hr	ALL	1st	YES
504500	4854500	9.5225	726.61	726.61	0	1-Hr	ALL	1st	YES
505000	4854500	7.62449	726.71	726.71	0	1-Hr	ALL	1st	YES
498500	4855000	10.21551	665.08	665.08	0	1-Hr	ALL	1st	YES
499000	4855000	11.47864	664.49	664.49	0	1-Hr	ALL	1st	YES
500500	4855000	8.01428	666.75	666.75	0	1-Hr	ALL	1st	YES
501000	4855000	10.77047	685.55	685.55	0	1-Hr	ALL	1st	YES
501500	4855000	13.51167	690.37	690.37	0	1-Hr	ALL	1st	YES
502000	4855000	14.02245	690.52	690.52	0	1-Hr	ALL	1st	YES
502500	4855000	22.48193	695.15	695.15	0	1-Hr	ALL	1st	YES
503000	4855000	23.27781	698.82	698.82	0	1-Hr	ALL	1st	YES
503500	4855000	25.37306	703.74	703.74	0	1-Hr	ALL	1st	YES
504000	4855000	13.34735	716.34	716.34	0	1-Hr	ALL	1st	YES
504500	4855000	10.538	719.7	726.92	0	1-Hr	ALL	1st	YES
505000	4855000	8.8224	725.3	725.3	0	1-Hr	ALL	1st	YES
499500	4855500	12.73339	665.61	665.61	0	1-Hr	ALL	1st	YES
500000	4855500	12.43067	664.18	664.18	0	1-Hr	ALL	1st	YES
500500	4855500	8.76834	665.46	665.46	0	1-Hr	ALL	1st	YES
501000	4855500	11.82168	683.71	683.71	0	1-Hr	ALL	1st	YES
501500	4855500	15.00369	691.57	691.57	0	1-Hr	ALL	1st	YES
502000	4855500	16.90155	690.75	690.75	0	1-Hr	ALL	1st	YES
502500	4855500	19.87859	693.94	693.94	0	1-Hr	ALL	1st	YES
503000	4855500	26.50517	695.46	695.46	0	1-Hr	ALL	1st	YES
503500	4855500	24.49666	693.55	693.55	0	1-Hr	ALL	1st	YES
504000	4855500	17.59308	712.58	712.58	0	1-Hr	ALL	1st	YES
504500	4855500	13.61975	719.59	719.59	0	1-Hr	ALL	1st	YES
505000	4855500	9.61949	729.39	729.39	0	1-Hr	ALL	1st	YES
505500	4855500	8.00032	730.97	730.97	0	1-Hr	ALL	1st	YES
498500	4856000	8.85101	666.55	666.55	0	1-Hr	ALL	1st	YES
499000	4856000	8.08078	665.56	665.56	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
499500	4856000	8.35343	665.64	665.64	0	1-Hr	ALL	1st	YES
500000	4856000	9.45349	664.91	664.91	0	1-Hr	ALL	1st	YES
500500	4856000	16.12772	665.3	665.3	0	1-Hr	ALL	1st	YES
501000	4856000	12.34372	665.36	684.56	0	1-Hr	ALL	1st	YES
501500	4856000	17.01004	690.12	690.12	0	1-Hr	ALL	1st	YES
502000	4856000	19.46077	691.06	691.06	0	1-Hr	ALL	1st	YES
502500	4856000	22.05819	689.75	689.75	0	1-Hr	ALL	1st	YES
503000	4856000	26.15591	688.16	688.16	0	1-Hr	ALL	1st	YES
503500	4856000	30.341	693.31	693.31	0	1-Hr	ALL	1st	YES
504000	4856000	37.51754	699.13	702.53	0	1-Hr	ALL	1st	YES
504500	4856000	28.60024	708.98	727.19	0	1-Hr	ALL	1st	YES
505000	4856000	12.21863	726.89	726.89	0	1-Hr	ALL	1st	YES
505500	4856000	8.55446	731.92	731.92	0	1-Hr	ALL	1st	YES
506000	4856000	7.54745	746.21	746.21	0	1-Hr	ALL	1st	YES
506500	4856000	8.48192	746.76	746.76	0	1-Hr	ALL	1st	YES
498500	4856500	10.87015	668.72	668.72	0	1-Hr	ALL	1st	YES
499000	4856500	8.52204	662.59	662.59	0	1-Hr	ALL	1st	YES
499500	4856500	10.91802	663.75	663.75	0	1-Hr	ALL	1st	YES
500000	4856500	11.54888	663.97	663.97	0	1-Hr	ALL	1st	YES
500500	4856500	11.80077	663.9	663.9	0	1-Hr	ALL	1st	YES
501000	4856500	13.23299	662.46	662.46	0	1-Hr	ALL	1st	YES
501500	4856500	24.17158	688.89	688.89	0	1-Hr	ALL	1st	YES
502000	4856500	22.07153	691.46	691.46	0	1-Hr	ALL	1st	YES
502500	4856500	27.02731	689.07	689.07	0	1-Hr	ALL	1st	YES
503000	4856500	33.89814	693.14	693.14	0	1-Hr	ALL	1st	YES
503500	4856500	43.2521	698.14	698.14	0	1-Hr	ALL	1st	YES
504000	4856500	51.2812	697.06	697.06	0	1-Hr	ALL	1st	YES
504500	4856500	37.2814	710.46	710.46	0	1-Hr	ALL	1st	YES
505000	4856500	13.56284	737.47	737.47	0	1-Hr	ALL	1st	YES
505500	4856500	8.77031	743.48	743.48	0	1-Hr	ALL	1st	YES
506000	4856500	7.58797	740.1	744.56	0	1-Hr	ALL	1st	YES
498500	4857000	9.01287	668.66	668.66	0	1-Hr	ALL	1st	YES
499000	4857000	13.70634	665.83	665.83	0	1-Hr	ALL	1st	YES
499500	4857000	18.48088	662.2	662.2	0	1-Hr	ALL	1st	YES
500000	4857000	20.67349	664.05	664.05	0	1-Hr	ALL	1st	YES
500500	4857000	17.37085	665.84	665.84	0	1-Hr	ALL	1st	YES
501000	4857000	14.50078	663.59	663.59	0	1-Hr	ALL	1st	YES
501500	4857000	18.70373	672.2	696.39	0	1-Hr	ALL	1st	YES
502000	4857000	29.35401	690.02	690.02	0	1-Hr	ALL	1st	YES
502500	4857000	38.07174	690.56	690.56	0	1-Hr	ALL	1st	YES
505500	4857000	13.08919	735.94	735.94	0	1-Hr	ALL	1st	YES
506000	4857000	7.96351	734.69	763.89	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
498500	4857500	9.48284	670.09	670.09	0	1-Hr	ALL	1st	YES
499000	4857500	9.28345	667.06	667.06	0	1-Hr	ALL	1st	YES
499500	4857500	9.74522	665.46	665.46	0	1-Hr	ALL	1st	YES
500000	4857500	11.40566	665.07	665.07	0	1-Hr	ALL	1st	YES
500500	4857500	13.31591	665.39	678.58	0	1-Hr	ALL	1st	YES
501000	4857500	15.72849	664.76	664.76	0	1-Hr	ALL	1st	YES
501500	4857500	19.32116	665.29	698.45	0	1-Hr	ALL	1st	YES
502000	4857500	38.09207	690.78	690.78	0	1-Hr	ALL	1st	YES
502500	4857500	49.92296	691.15	691.15	0	1-Hr	ALL	1st	YES
505500	4857500	13.59456	733.32	733.32	0	1-Hr	ALL	1st	YES
506000	4857500	9.15609	744.81	744.81	0	1-Hr	ALL	1st	YES
498500	4858000	8.80978	669.53	669.53	0	1-Hr	ALL	1st	YES
499000	4858000	9.64619	667.77	667.77	0	1-Hr	ALL	1st	YES
499500	4858000	10.649	665.82	665.82	0	1-Hr	ALL	1st	YES
500000	4858000	11.88373	664.47	664.47	0	1-Hr	ALL	1st	YES
500500	4858000	13.65106	665.17	665.17	0	1-Hr	ALL	1st	YES
501000	4858000	16.36378	663.81	663.81	0	1-Hr	ALL	1st	YES
501500	4858000	24.56875	686.62	690.3	0	1-Hr	ALL	1st	YES
502000	4858000	32.54743	686.5	688.7	0	1-Hr	ALL	1st	YES
502500	4858000	50.64735	690.72	690.72	0	1-Hr	ALL	1st	YES
505500	4858000	17.81187	732.24	732.24	0	1-Hr	ALL	1st	YES
506000	4858000	8.83019	751.1	751.1	0	1-Hr	ALL	1st	YES
506500	4858000	7.7181	757.67	757.67	0	1-Hr	ALL	1st	YES
498500	4858500	9.05926	669.79	669.79	0	1-Hr	ALL	1st	YES
499000	4858500	10.35512	668.11	668.11	0	1-Hr	ALL	1st	YES
499500	4858500	11.48817	666.58	666.58	0	1-Hr	ALL	1st	YES
500000	4858500	12.19281	664.09	664.09	0	1-Hr	ALL	1st	YES
500500	4858500	13.117	663.96	663.96	0	1-Hr	ALL	1st	YES
501000	4858500	15.73514	663.35	663.35	0	1-Hr	ALL	1st	YES
501500	4858500	32.26688	662.66	662.66	0	1-Hr	ALL	1st	YES
502000	4858500	37.44224	687.84	687.84	0	1-Hr	ALL	1st	YES
502500	4858500	46.35087	685.4	685.4	0	1-Hr	ALL	1st	YES
505500	4858500	16.4651	730.2	730.2	0	1-Hr	ALL	1st	YES
506000	4858500	8.2325	755.29	755.29	0	1-Hr	ALL	1st	YES
506500	4858500	9.97219	739.24	764.94	0	1-Hr	ALL	1st	YES
507000	4858500	16.2166	713.86	757.38	0	1-Hr	ALL	1st	YES
498500	4859000	8.42474	669.02	669.02	0	1-Hr	ALL	1st	YES
499000	4859000	11.50666	668.5	668.5	0	1-Hr	ALL	1st	YES
499500	4859000	19.69681	666.2	666.2	0	1-Hr	ALL	1st	YES
500000	4859000	24.31959	665.02	665.02	0	1-Hr	ALL	1st	YES
500500	4859000	17.51999	663.88	663.88	0	1-Hr	ALL	1st	YES
501000	4859000	17.07481	663.67	663.67	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
501500	4859000	19.15914	660.86	660.86	0	1-Hr	ALL	1st	YES
502000	4859000	25.40805	663.66	691.72	0	1-Hr	ALL	1st	YES
502500	4859000	55.43245	692.61	692.61	0	1-Hr	ALL	1st	YES
505500	4859000	14.45306	731.09	745.15	0	1-Hr	ALL	1st	YES
506500	4859000	24.68213	709.26	761.45	0	1-Hr	ALL	1st	YES
498500	4859500	15.96247	667.71	667.71	0	1-Hr	ALL	1st	YES
499000	4859500	10.3054	665.91	665.91	0	1-Hr	ALL	1st	YES
499500	4859500	10.75454	665.8	665.8	0	1-Hr	ALL	1st	YES
500000	4859500	11.17083	665.15	665.15	0	1-Hr	ALL	1st	YES
500500	4859500	13.08819	662.46	662.46	0	1-Hr	ALL	1st	YES
501000	4859500	16.12244	663.46	663.46	0	1-Hr	ALL	1st	YES
501500	4859500	29.56029	660.81	660.81	0	1-Hr	ALL	1st	YES
502000	4859500	22.65734	660.96	691.91	0	1-Hr	ALL	1st	YES
502500	4859500	32.41489	692.81	692.81	0	1-Hr	ALL	1st	YES
503000	4859500	41.12011	695.97	695.97	0	1-Hr	ALL	1st	YES
503500	4859500	53.36954	696.53	696.53	0	1-Hr	ALL	1st	YES
504000	4859500	47.53853	701.66	701.66	0	1-Hr	ALL	1st	YES
504500	4859500	43.03961	704.36	704.36	0	1-Hr	ALL	1st	YES
505000	4859500	35.83363	705.86	705.86	0	1-Hr	ALL	1st	YES
505500	4859500	41.19711	702.23	752.11	0	1-Hr	ALL	1st	YES
506000	4859500	8.90802	724.62	740.84	0	1-Hr	ALL	1st	YES
506500	4859500	7.54146	734.81	745.79	0	1-Hr	ALL	1st	YES
498500	4860000	8.52626	669.5	669.5	0	1-Hr	ALL	1st	YES
499000	4860000	9.116	665.6	665.6	0	1-Hr	ALL	1st	YES
499500	4860000	9.99722	665.6	665.6	0	1-Hr	ALL	1st	YES
500000	4860000	12.6379	664.66	664.66	0	1-Hr	ALL	1st	YES
500500	4860000	21.2682	662.79	662.79	0	1-Hr	ALL	1st	YES
501000	4860000	22.63526	663.01	663.01	0	1-Hr	ALL	1st	YES
501500	4860000	15.67479	662.86	662.86	0	1-Hr	ALL	1st	YES
502000	4860000	17.10799	660.86	694.44	0	1-Hr	ALL	1st	YES
502500	4860000	29.75322	692.09	692.09	0	1-Hr	ALL	1st	YES
503000	4860000	36.89748	696.7	696.7	0	1-Hr	ALL	1st	YES
503500	4860000	31.67237	696.1	696.1	0	1-Hr	ALL	1st	YES
504000	4860000	24.86341	685.64	702.47	0	1-Hr	ALL	1st	YES
504500	4860000	19.75817	712.28	715.07	0	1-Hr	ALL	1st	YES
505000	4860000	11.27569	722.94	726.64	0	1-Hr	ALL	1st	YES
505500	4860000	8.80922	728.14	732.61	0	1-Hr	ALL	1st	YES
498500	4860500	8.00273	669.82	669.82	0	1-Hr	ALL	1st	YES
499000	4860500	10.26653	667.23	667.23	0	1-Hr	ALL	1st	YES
499500	4860500	13.19539	664.6	664.6	0	1-Hr	ALL	1st	YES
500000	4860500	18.47379	663.77	663.77	0	1-Hr	ALL	1st	YES
500500	4860500	20.54678	662.99	662.99	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
501000	4860500	12.37234	662.36	662.36	0	1-Hr	ALL	1st	YES
501500	4860500	13.29543	662.36	662.36	0	1-Hr	ALL	1st	YES
502000	4860500	23.69806	667.95	694.44	0	1-Hr	ALL	1st	YES
502500	4860500	22.33435	692.23	692.23	0	1-Hr	ALL	1st	YES
503000	4860500	17.97769	674.43	690.67	0	1-Hr	ALL	1st	YES
503500	4860500	26.28907	697.94	697.94	0	1-Hr	ALL	1st	YES
504000	4860500	37.01292	699	699	0	1-Hr	ALL	1st	YES
504500	4860500	37.77838	700.68	700.68	0	1-Hr	ALL	1st	YES
505000	4860500	8.86266	728.15	728.15	0	1-Hr	ALL	1st	YES
498500	4861000	8.09332	671.02	671.02	0	1-Hr	ALL	1st	YES
499000	4861000	16.39648	668.31	668.31	0	1-Hr	ALL	1st	YES
499500	4861000	14.11431	666.4	666.4	0	1-Hr	ALL	1st	YES
500000	4861000	14.44001	662.38	662.38	0	1-Hr	ALL	1st	YES
500500	4861000	10.02373	662.96	662.96	0	1-Hr	ALL	1st	YES
501000	4861000	10.78781	663.39	663.39	0	1-Hr	ALL	1st	YES
501500	4861000	19.05324	661.18	661.18	0	1-Hr	ALL	1st	YES
502000	4861000	13.29131	659.26	693.14	0	1-Hr	ALL	1st	YES
502500	4861000	16.82146	669.5	692.99	0	1-Hr	ALL	1st	YES
503000	4861000	27.18589	692.05	692.05	0	1-Hr	ALL	1st	YES
503500	4861000	22.32606	697.29	697.29	0	1-Hr	ALL	1st	YES
504000	4861000	31.8845	697.92	697.92	0	1-Hr	ALL	1st	YES
504500	4861000	30.27693	696.49	696.49	0	1-Hr	ALL	1st	YES
505000	4861000	9.12058	722.52	722.52	0	1-Hr	ALL	1st	YES
505500	4861000	10.76944	717.14	728.07	0	1-Hr	ALL	1st	YES
507000	4861000	15.80786	710.49	735.16	0	1-Hr	ALL	1st	YES
498500	4861500	12.89435	672.67	672.67	0	1-Hr	ALL	1st	YES
499000	4861500	15.28766	669.2	669.2	0	1-Hr	ALL	1st	YES
499500	4861500	8.89278	667.2	667.2	0	1-Hr	ALL	1st	YES
500000	4861500	8.4341	666.19	666.19	0	1-Hr	ALL	1st	YES
500500	4861500	8.92873	661.18	661.18	0	1-Hr	ALL	1st	YES
501000	4861500	15.79759	662.76	662.76	0	1-Hr	ALL	1st	YES
501500	4861500	10.98801	662.36	662.36	0	1-Hr	ALL	1st	YES
502000	4861500	10.97485	662.24	662.24	0	1-Hr	ALL	1st	YES
502500	4861500	13.68191	659.17	691.86	0	1-Hr	ALL	1st	YES
503000	4861500	15.77719	692.01	692.01	0	1-Hr	ALL	1st	YES
503500	4861500	16.77197	693.03	693.03	0	1-Hr	ALL	1st	YES
504000	4861500	21.9061	693.54	693.54	0	1-Hr	ALL	1st	YES
504500	4861500	27.42044	696.74	696.74	0	1-Hr	ALL	1st	YES
505000	4861500	22.89639	706.47	720.58	0	1-Hr	ALL	1st	YES
505500	4861500	7.82238	726.87	726.87	0	1-Hr	ALL	1st	YES
506000	4861500	7.92272	721.66	730.3	0	1-Hr	ALL	1st	YES
506500	4861500	8.70297	720.06	727.77	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
498500	4862000	13.42437	673.09	673.09	0	1-Hr	ALL	1st	YES
499500	4862000	7.61395	667.2	667.2	0	1-Hr	ALL	1st	YES
500000	4862000	7.73723	666.94	666.94	0	1-Hr	ALL	1st	YES
500500	4862000	13.62855	662.22	662.22	0	1-Hr	ALL	1st	YES
501000	4862000	13.5841	662.16	662.16	0	1-Hr	ALL	1st	YES
501500	4862000	9.98954	661.05	661.05	0	1-Hr	ALL	1st	YES
502000	4862000	13.25428	659.05	659.05	0	1-Hr	ALL	1st	YES
502500	4862000	15.36072	660.86	660.86	0	1-Hr	ALL	1st	YES
503000	4862000	9.73205	659.26	692.86	0	1-Hr	ALL	1st	YES
503500	4862000	13.67386	692.08	692.08	0	1-Hr	ALL	1st	YES
504000	4862000	17.74598	689.56	689.56	0	1-Hr	ALL	1st	YES
504500	4862000	16.63678	690.94	690.94	0	1-Hr	ALL	1st	YES
505000	4862000	17.58723	698.75	698.75	0	1-Hr	ALL	1st	YES
505500	4862000	17.83208	689.23	723.88	0	1-Hr	ALL	1st	YES
506000	4862000	12.35593	690.6	734.44	0	1-Hr	ALL	1st	YES
506500	4862000	23.18674	699.89	725.88	0	1-Hr	ALL	1st	YES
507000	4862000	15.6289	701.37	733.88	0	1-Hr	ALL	1st	YES
507500	4862000	14.95315	708.23	708.23	0	1-Hr	ALL	1st	YES
508000	4862000	8.33206	720.41	720.41	0	1-Hr	ALL	1st	YES
508500	4862000	7.88313	720.55	720.55	0	1-Hr	ALL	1st	YES
500000	4862500	11.41637	669.32	669.32	0	1-Hr	ALL	1st	YES
500500	4862500	14.61403	659.76	659.76	0	1-Hr	ALL	1st	YES
501000	4862500	8.61531	661.55	661.55	0	1-Hr	ALL	1st	YES
501500	4862500	8.34308	660.9	660.9	0	1-Hr	ALL	1st	YES
502000	4862500	12.40604	660.27	660.27	0	1-Hr	ALL	1st	YES
502500	4862500	15.60194	659.27	659.27	0	1-Hr	ALL	1st	YES
503000	4862500	9.17146	659.36	693.93	0	1-Hr	ALL	1st	YES
503500	4862500	9.5106	672.09	690.68	0	1-Hr	ALL	1st	YES
504000	4862500	13.60769	676.7	692.96	0	1-Hr	ALL	1st	YES
504500	4862500	10.76169	678.31	678.31	0	1-Hr	ALL	1st	YES
505000	4862500	10.44812	685.05	702.91	0	1-Hr	ALL	1st	YES
505500	4862500	12.86084	713.34	727.49	0	1-Hr	ALL	1st	YES
506000	4862500	9.36347	720.1	720.1	0	1-Hr	ALL	1st	YES
508000	4862500	10.9469	714.47	741.72	0	1-Hr	ALL	1st	YES
508500	4862500	7.9231	720.26	720.26	0	1-Hr	ALL	1st	YES
499500	4863000	9.39629	667.1	667.1	0	1-Hr	ALL	1st	YES
500000	4863000	13.5121	663.2	663.2	0	1-Hr	ALL	1st	YES
500500	4863000	7.5824	661.66	661.66	0	1-Hr	ALL	1st	YES
501000	4863000	7.8501	661.07	661.07	0	1-Hr	ALL	1st	YES
501500	4863000	10.73103	659.56	659.56	0	1-Hr	ALL	1st	YES
502000	4863000	9.22407	662.82	662.82	0	1-Hr	ALL	1st	YES
502500	4863000	10.34511	663.6	663.6	0	1-Hr	ALL	1st	YES

Scenario 1, 1-Hour NO2

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503000	4863000	8.27235	661.1	690	0	1-Hr	ALL	1st	YES
503500	4863000	11.43605	692.41	692.41	0	1-Hr	ALL	1st	YES
504000	4863000	16.75244	693.17	693.17	0	1-Hr	ALL	1st	YES
504500	4863000	11.97987	693.66	693.66	0	1-Hr	ALL	1st	YES
505000	4863000	11.40758	693.22	693.22	0	1-Hr	ALL	1st	YES
505500	4863000	13.59164	711.86	711.86	0	1-Hr	ALL	1st	YES
499000	4863500	7.89283	678.09	678.09	0	1-Hr	ALL	1st	YES
499500	4863500	11.39485	668.3	668.3	0	1-Hr	ALL	1st	YES
500000	4863500	7.61676	665.36	665.36	0	1-Hr	ALL	1st	YES
501500	4863500	10.93681	661.75	661.75	0	1-Hr	ALL	1st	YES
502000	4863500	12.69847	660.95	660.95	0	1-Hr	ALL	1st	YES
503500	4863500	9.08196	686.62	686.62	0	1-Hr	ALL	1st	YES
504000	4863500	13.16223	687.75	687.75	0	1-Hr	ALL	1st	YES
504500	4863500	9.52168	690.92	690.92	0	1-Hr	ALL	1st	YES
505000	4863500	15.16857	697.29	697.29	0	1-Hr	ALL	1st	YES
505500	4863500	10.71739	715.04	736.39	0	1-Hr	ALL	1st	YES
506500	4863500	13.86138	709.1	721.94	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503673.1	4857778	92.81987	693.15	693.15	0	1-Hr	ALL	1st	YES
503697.9	4857778	92.91582	693.26	693.26	0	1-Hr	ALL	1st	YES
503722.7	4857778	94.4652	693.28	693.28	0	1-Hr	ALL	1st	YES
503747.5	4857777	96.05574	693.55	693.55	0	1-Hr	ALL	1st	YES
503772.3	4857777	98.78134	694.04	694.04	0	1-Hr	ALL	1st	YES
503797.1	4857777	104.0596	694.43	694.43	0	1-Hr	ALL	1st	YES
503821.9	4857777	104.9886	694.63	694.63	0	1-Hr	ALL	1st	YES
503846.7	4857777	101.919	694.81	694.81	0	1-Hr	ALL	1st	YES
503871.5	4857777	108.7035	694.97	694.97	0	1-Hr	ALL	1st	YES
503896.3	4857777	110.7272	694.97	694.97	0	1-Hr	ALL	1st	YES
503921.1	4857777	117.827	694.81	694.81	0	1-Hr	ALL	1st	YES
503945.9	4857777	136.1703	694.6	694.6	0	1-Hr	ALL	1st	YES
503970.7	4857777	155.1937	694.45	694.45	0	1-Hr	ALL	1st	YES
503995.5	4857777	155.5494	693.51	693.51	0	1-Hr	ALL	1st	YES
504020.3	4857776	159.9536	693.31	693.31	0	1-Hr	ALL	1st	YES
504045.1	4857776	162.4617	692.9	692.9	0	1-Hr	ALL	1st	YES
504069.9	4857776	183.8073	692.49	692.49	0	1-Hr	ALL	1st	YES
504094.7	4857776	193.3485	693.35	693.35	0	1-Hr	ALL	1st	YES
504119.5	4857776	272.4863	694.76	694.76	0	1-Hr	ALL	1st	YES
504144.3	4857776	275.8788	695.72	695.72	0	1-Hr	ALL	1st	YES
504169.1	4857776	303.405	696.07	696.07	0	1-Hr	ALL	1st	YES
504193.9	4857776	291.1585	696.24	696.24	0	1-Hr	ALL	1st	YES
504218.7	4857776	282.27	696.22	696.22	0	1-Hr	ALL	1st	YES
504243.5	4857776	241.0453	695.84	695.84	0	1-Hr	ALL	1st	YES
504268.3	4857775	201.7398	695.71	695.71	0	1-Hr	ALL	1st	YES
504293.1	4857775	169.3777	696.89	696.89	0	1-Hr	ALL	1st	YES
504317.9	4857775	147.313	697.87	697.87	0	1-Hr	ALL	1st	YES
504314.7	4857795	148.09	697.39	697.39	0	1-Hr	ALL	1st	YES
504313.2	4857819	142.2026	696.51	696.51	0	1-Hr	ALL	1st	YES
504311.8	4857844	147.5641	695.83	695.83	0	1-Hr	ALL	1st	YES
504310.3	4857868	159.8238	695.75	695.75	0	1-Hr	ALL	1st	YES
504308.9	4857892	152.8822	696.01	696.01	0	1-Hr	ALL	1st	YES
504307.4	4857917	133.2043	695.99	695.99	0	1-Hr	ALL	1st	YES
504294.9	4857927	131.3446	695.78	695.78	0	1-Hr	ALL	1st	YES
504282.3	4857936	119.2898	695.22	695.22	0	1-Hr	ALL	1st	YES
504265.6	4857936	125.8606	694.7	694.7	0	1-Hr	ALL	1st	YES
504248.9	4857936	131.3792	694.22	694.22	0	1-Hr	ALL	1st	YES
504232.2	4857935	155.6228	693.48	693.48	0	1-Hr	ALL	1st	YES
504230.2	4857959	156.7905	693.33	693.33	0	1-Hr	ALL	1st	YES
504228.3	4857982	146.121	693.41	693.41	0	1-Hr	ALL	1st	YES
504226.4	4858005	139.4257	693.76	693.76	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504224.4	4858028	123.2544	694.42	694.42	0	1-Hr	ALL	1st	YES
504222.5	4858051	109.6951	694.86	694.86	0	1-Hr	ALL	1st	YES
504200.6	4858051	111.4384	694.57	694.57	0	1-Hr	ALL	1st	YES
504178.8	4858051	123.0415	694.27	694.27	0	1-Hr	ALL	1st	YES
504156.9	4858051	125.9169	693.74	693.74	0	1-Hr	ALL	1st	YES
504135.1	4858051	126.976	693.36	693.36	0	1-Hr	ALL	1st	YES
504113.2	4858051	127.7357	692.97	692.97	0	1-Hr	ALL	1st	YES
504091.4	4858051	132.6561	692.66	692.66	0	1-Hr	ALL	1st	YES
504089.8	4858033	145.1334	692.23	692.23	0	1-Hr	ALL	1st	YES
504066.2	4858035	149.6106	691.92	691.92	0	1-Hr	ALL	1st	YES
504042.7	4858036	155.827	691.68	691.68	0	1-Hr	ALL	1st	YES
504019.1	4858037	172.5288	691.46	691.46	0	1-Hr	ALL	1st	YES
503995.5	4858039	201.3007	691.33	691.33	0	1-Hr	ALL	1st	YES
503972	4858040	195.8154	691.23	691.23	0	1-Hr	ALL	1st	YES
503948.4	4858041	180.6149	691.13	691.13	0	1-Hr	ALL	1st	YES
503924.8	4858043	170.7455	690.7	690.7	0	1-Hr	ALL	1st	YES
503901.3	4858044	165.5582	690.21	690.21	0	1-Hr	ALL	1st	YES
503878.2	4858049	156.5295	690	690	0	1-Hr	ALL	1st	YES
503855	4858053	146.151	689.85	689.85	0	1-Hr	ALL	1st	YES
503831.9	4858058	140.3537	689.7	689.7	0	1-Hr	ALL	1st	YES
503808.8	4858063	137.7675	689.6	689.6	0	1-Hr	ALL	1st	YES
503785.7	4858068	137.0145	689.38	689.38	0	1-Hr	ALL	1st	YES
503762.6	4858072	132.5382	689.11	689.11	0	1-Hr	ALL	1st	YES
503739.5	4858077	128.73	688.87	688.87	0	1-Hr	ALL	1st	YES
503720.6	4858074	134.1284	689	689	0	1-Hr	ALL	1st	YES
503701.8	4858071	134.1385	689.71	689.71	0	1-Hr	ALL	1st	YES
503683	4858068	132.368	690.35	690.35	0	1-Hr	ALL	1st	YES
503664.2	4858065	131.8445	690.29	690.29	0	1-Hr	ALL	1st	YES
503665	4858041	178.9632	690.57	690.57	0	1-Hr	ALL	1st	YES
503665.7	4858017	200.8921	690.77	690.77	0	1-Hr	ALL	1st	YES
503666.4	4857993	174.0581	691.26	691.26	0	1-Hr	ALL	1st	YES
503667.2	4857969	118.8717	691.82	691.82	0	1-Hr	ALL	1st	YES
503667.9	4857945	118.9837	692.42	692.42	0	1-Hr	ALL	1st	YES
503668.7	4857921	112.359	692.74	692.74	0	1-Hr	ALL	1st	YES
503669.4	4857897	107.755	692.88	692.88	0	1-Hr	ALL	1st	YES
503670.1	4857873	105.236	692.87	692.87	0	1-Hr	ALL	1st	YES
503670.9	4857850	102.309	692.43	692.43	0	1-Hr	ALL	1st	YES
503671.6	4857826	93.75533	692.33	692.33	0	1-Hr	ALL	1st	YES
503672.4	4857802	94.11361	692.68	692.68	0	1-Hr	ALL	1st	YES
503550	4857675	76.38588	694.05	694.05	0	1-Hr	ALL	1st	YES
503575	4857675	79.14439	694.24	694.24	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503600	4857675	80.30559	694.35	694.35	0	1-Hr	ALL	1st	YES
503625	4857675	82.89817	694.44	694.44	0	1-Hr	ALL	1st	YES
503650	4857675	82.67761	694.44	694.44	0	1-Hr	ALL	1st	YES
503675	4857675	81.42018	694.48	694.48	0	1-Hr	ALL	1st	YES
503700	4857675	77.22978	694.45	694.45	0	1-Hr	ALL	1st	YES
503725	4857675	72.61227	694.29	694.29	0	1-Hr	ALL	1st	YES
503750	4857675	73.11567	694.18	694.18	0	1-Hr	ALL	1st	YES
503775	4857675	72.8175	694.32	694.32	0	1-Hr	ALL	1st	YES
503800	4857675	74.8977	695.19	695.19	0	1-Hr	ALL	1st	YES
503825	4857675	82.79625	696.03	696.03	0	1-Hr	ALL	1st	YES
503850	4857675	83.81014	695.99	695.99	0	1-Hr	ALL	1st	YES
503875	4857675	81.70569	695.99	695.99	0	1-Hr	ALL	1st	YES
503900	4857675	91.6249	696.14	696.14	0	1-Hr	ALL	1st	YES
503925	4857675	92.70291	696.24	696.24	0	1-Hr	ALL	1st	YES
503950	4857675	96.21746	696.14	696.14	0	1-Hr	ALL	1st	YES
503975	4857675	98.56882	696.04	696.04	0	1-Hr	ALL	1st	YES
504000	4857675	101.4887	695.95	695.95	0	1-Hr	ALL	1st	YES
504025	4857675	113.9973	695.76	695.76	0	1-Hr	ALL	1st	YES
504050	4857675	118.5965	696.02	696.02	0	1-Hr	ALL	1st	YES
504075	4857675	133.408	695.94	695.94	0	1-Hr	ALL	1st	YES
504100	4857675	143.5967	695.38	695.38	0	1-Hr	ALL	1st	YES
504125	4857675	132.7385	694.83	694.83	0	1-Hr	ALL	1st	YES
504150	4857675	137.7262	694.13	694.13	0	1-Hr	ALL	1st	YES
504175	4857675	142.4291	695.09	695.09	0	1-Hr	ALL	1st	YES
504200	4857675	158.5231	696.39	696.39	0	1-Hr	ALL	1st	YES
504225	4857675	152.7998	697.09	697.09	0	1-Hr	ALL	1st	YES
504250	4857675	148.5287	697.6	697.6	0	1-Hr	ALL	1st	YES
504275	4857675	141.1107	697.87	697.87	0	1-Hr	ALL	1st	YES
504300	4857675	142.0498	698.35	698.35	0	1-Hr	ALL	1st	YES
504325	4857675	145.2311	698.89	698.89	0	1-Hr	ALL	1st	YES
504350	4857675	156.5426	700.08	700.08	0	1-Hr	ALL	1st	YES
504375	4857675	153.0277	700.78	700.78	0	1-Hr	ALL	1st	YES
504400	4857675	138.2021	701.32	701.32	0	1-Hr	ALL	1st	YES
504425	4857675	118.955	701.72	701.72	0	1-Hr	ALL	1st	YES
503550	4857700	76.76385	693.73	693.73	0	1-Hr	ALL	1st	YES
503575	4857700	77.19253	693.93	693.93	0	1-Hr	ALL	1st	YES
503600	4857700	79.81022	694.04	694.04	0	1-Hr	ALL	1st	YES
503625	4857700	81.9893	694.1	694.1	0	1-Hr	ALL	1st	YES
503650	4857700	84.13351	694.22	694.22	0	1-Hr	ALL	1st	YES
503675	4857700	86.58113	694.27	694.27	0	1-Hr	ALL	1st	YES
503700	4857700	86.05428	694.29	694.29	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503725	4857700	83.28279	694.12	694.12	0	1-Hr	ALL	1st	YES
503750	4857700	76.81739	694.18	694.18	0	1-Hr	ALL	1st	YES
503775	4857700	76.64916	694.48	694.48	0	1-Hr	ALL	1st	YES
503800	4857700	81.64889	695.42	695.42	0	1-Hr	ALL	1st	YES
503825	4857700	84.2088	696.1	696.1	0	1-Hr	ALL	1st	YES
503850	4857700	88.08903	696.15	696.15	0	1-Hr	ALL	1st	YES
503875	4857700	85.72572	696.08	696.08	0	1-Hr	ALL	1st	YES
503900	4857700	92.61246	696.1	696.1	0	1-Hr	ALL	1st	YES
503925	4857700	94.39704	695.98	695.98	0	1-Hr	ALL	1st	YES
503950	4857700	103.8065	695.89	695.89	0	1-Hr	ALL	1st	YES
503975	4857700	106.5297	695.67	695.67	0	1-Hr	ALL	1st	YES
504000	4857700	112.1856	695.53	695.53	0	1-Hr	ALL	1st	YES
504025	4857700	125.0464	695.34	695.34	0	1-Hr	ALL	1st	YES
504050	4857700	123.3758	695.27	695.27	0	1-Hr	ALL	1st	YES
504075	4857700	135.5784	694.85	694.85	0	1-Hr	ALL	1st	YES
504100	4857700	148.5423	693.98	693.98	0	1-Hr	ALL	1st	YES
504125	4857700	144.2002	692.87	692.87	0	1-Hr	ALL	1st	YES
504150	4857700	145.1557	693.07	693.07	0	1-Hr	ALL	1st	YES
504175	4857700	162.8476	694.87	694.87	0	1-Hr	ALL	1st	YES
504200	4857700	176.9244	695.72	695.72	0	1-Hr	ALL	1st	YES
504225	4857700	172.9939	696.42	696.42	0	1-Hr	ALL	1st	YES
504250	4857700	164.7773	697.11	697.11	0	1-Hr	ALL	1st	YES
504275	4857700	163.86	697.25	697.25	0	1-Hr	ALL	1st	YES
504300	4857700	167.0788	697.91	697.91	0	1-Hr	ALL	1st	YES
504325	4857700	159.0478	699.22	699.22	0	1-Hr	ALL	1st	YES
504350	4857700	163.9501	700.05	700.05	0	1-Hr	ALL	1st	YES
504375	4857700	141.5881	700.75	700.75	0	1-Hr	ALL	1st	YES
504400	4857700	121.6099	701.09	701.09	0	1-Hr	ALL	1st	YES
504425	4857700	116.6713	701.48	701.48	0	1-Hr	ALL	1st	YES
503550	4857725	82.15503	693.5	693.5	0	1-Hr	ALL	1st	YES
503575	4857725	81.29511	693.47	693.47	0	1-Hr	ALL	1st	YES
503600	4857725	81.29232	693.7	693.7	0	1-Hr	ALL	1st	YES
503625	4857725	81.39534	693.7	693.7	0	1-Hr	ALL	1st	YES
503650	4857725	84.38447	693.88	693.88	0	1-Hr	ALL	1st	YES
503675	4857725	85.71006	693.99	693.99	0	1-Hr	ALL	1st	YES
503700	4857725	89.49824	694	694	0	1-Hr	ALL	1st	YES
503725	4857725	91.24761	694.04	694.04	0	1-Hr	ALL	1st	YES
503750	4857725	89.8079	694.15	694.15	0	1-Hr	ALL	1st	YES
503775	4857725	83.49681	694.47	694.47	0	1-Hr	ALL	1st	YES
503800	4857725	79.40794	695.13	695.13	0	1-Hr	ALL	1st	YES
503825	4857725	87.29332	695.71	695.71	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503850	4857725	92.46927	695.95	695.95	0	1-Hr	ALL	1st	YES
503875	4857725	96.78078	695.9	695.9	0	1-Hr	ALL	1st	YES
503900	4857725	95.38327	695.8	695.8	0	1-Hr	ALL	1st	YES
503925	4857725	103.7767	695.63	695.63	0	1-Hr	ALL	1st	YES
503950	4857725	107.9945	695.46	695.46	0	1-Hr	ALL	1st	YES
503975	4857725	113.9337	695.18	695.18	0	1-Hr	ALL	1st	YES
504000	4857725	123.8804	694.99	694.99	0	1-Hr	ALL	1st	YES
504025	4857725	132.2995	694.75	694.75	0	1-Hr	ALL	1st	YES
504050	4857725	143.2358	694.46	694.46	0	1-Hr	ALL	1st	YES
504075	4857725	142.996	693.4	693.4	0	1-Hr	ALL	1st	YES
504100	4857725	146.8645	692.68	692.68	0	1-Hr	ALL	1st	YES
504125	4857725	161.8547	692.9	692.9	0	1-Hr	ALL	1st	YES
504150	4857725	180.5925	694.47	694.47	0	1-Hr	ALL	1st	YES
504175	4857725	199.1793	695.49	695.49	0	1-Hr	ALL	1st	YES
504200	4857725	205.5698	695.95	695.95	0	1-Hr	ALL	1st	YES
504225	4857725	200.3483	696.38	696.38	0	1-Hr	ALL	1st	YES
504250	4857725	191.5417	696.61	696.61	0	1-Hr	ALL	1st	YES
504275	4857725	195.9237	696.85	696.85	0	1-Hr	ALL	1st	YES
504300	4857725	184.0543	697.41	697.41	0	1-Hr	ALL	1st	YES
504325	4857725	156.9468	699.08	699.08	0	1-Hr	ALL	1st	YES
504350	4857725	146.3698	699.86	699.86	0	1-Hr	ALL	1st	YES
504375	4857725	134.7285	700.53	700.53	0	1-Hr	ALL	1st	YES
504400	4857725	124.1588	700.73	700.73	0	1-Hr	ALL	1st	YES
504425	4857725	110.7686	701.02	701.02	0	1-Hr	ALL	1st	YES
503550	4857750	86.14861	693.03	693.03	0	1-Hr	ALL	1st	YES
503575	4857750	87.05687	693.12	693.12	0	1-Hr	ALL	1st	YES
503600	4857750	86.99235	693.24	693.24	0	1-Hr	ALL	1st	YES
503625	4857750	85.50763	693.37	693.37	0	1-Hr	ALL	1st	YES
503650	4857750	86.64018	693.51	693.51	0	1-Hr	ALL	1st	YES
503675	4857750	87.26829	693.58	693.58	0	1-Hr	ALL	1st	YES
503700	4857750	89.87161	693.73	693.73	0	1-Hr	ALL	1st	YES
503725	4857750	91.23423	693.78	693.78	0	1-Hr	ALL	1st	YES
503750	4857750	95.89991	694.03	694.03	0	1-Hr	ALL	1st	YES
503775	4857750	96.42024	694.27	694.27	0	1-Hr	ALL	1st	YES
503800	4857750	92.29382	694.76	694.76	0	1-Hr	ALL	1st	YES
503825	4857750	86.95266	695.18	695.18	0	1-Hr	ALL	1st	YES
503850	4857750	95.44512	695.41	695.41	0	1-Hr	ALL	1st	YES
503875	4857750	102.7355	695.51	695.51	0	1-Hr	ALL	1st	YES
503900	4857750	110.7811	695.42	695.42	0	1-Hr	ALL	1st	YES
503925	4857750	112.7428	695.26	695.26	0	1-Hr	ALL	1st	YES
503950	4857750	121.5573	695.08	695.08	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503975	4857750	128.339	694.62	694.62	0	1-Hr	ALL	1st	YES
504000	4857750	136.561	694.46	694.46	0	1-Hr	ALL	1st	YES
504025	4857750	153.0294	694.07	694.07	0	1-Hr	ALL	1st	YES
504050	4857750	152.9267	693.23	693.23	0	1-Hr	ALL	1st	YES
504075	4857750	157.5931	692.59	692.59	0	1-Hr	ALL	1st	YES
504100	4857750	166.5828	693.04	693.04	0	1-Hr	ALL	1st	YES
504125	4857750	218.4371	694.51	694.51	0	1-Hr	ALL	1st	YES
504150	4857750	218.1785	695.7	695.7	0	1-Hr	ALL	1st	YES
504175	4857750	240.3692	696.13	696.13	0	1-Hr	ALL	1st	YES
504200	4857750	245.5153	696.31	696.31	0	1-Hr	ALL	1st	YES
504225	4857750	231.3024	696.41	696.41	0	1-Hr	ALL	1st	YES
504250	4857750	232.6211	695.92	695.92	0	1-Hr	ALL	1st	YES
504275	4857750	208.1272	696.17	696.17	0	1-Hr	ALL	1st	YES
504300	4857750	173.7533	697.48	697.48	0	1-Hr	ALL	1st	YES
504325	4857750	148.6267	698.7	698.7	0	1-Hr	ALL	1st	YES
504350	4857750	133.7836	698.99	698.99	0	1-Hr	ALL	1st	YES
504375	4857750	122.1821	699.06	699.06	0	1-Hr	ALL	1st	YES
504400	4857750	125.0306	699.63	699.63	0	1-Hr	ALL	1st	YES
504425	4857750	120.4033	700.41	700.41	0	1-Hr	ALL	1st	YES
503550	4857775	82.61734	692.66	692.66	0	1-Hr	ALL	1st	YES
503575	4857775	84.5038	692.62	692.62	0	1-Hr	ALL	1st	YES
503600	4857775	88.88157	692.71	692.71	0	1-Hr	ALL	1st	YES
503625	4857775	90.70255	692.91	692.91	0	1-Hr	ALL	1st	YES
503650	4857775	91.9008	693.06	693.06	0	1-Hr	ALL	1st	YES
503675	4857775	91.67418	693.2	693.2	0	1-Hr	ALL	1st	YES
503700	4857775	92.82601	693.3	693.3	0	1-Hr	ALL	1st	YES
503725	4857775	94.58294	693.4	693.4	0	1-Hr	ALL	1st	YES
503750	4857775	96.36098	693.62	693.62	0	1-Hr	ALL	1st	YES
503775	4857775	98.46886	694.12	694.12	0	1-Hr	ALL	1st	YES
503800	4857775	104.2451	694.49	694.49	0	1-Hr	ALL	1st	YES
503825	4857775	103.4918	694.68	694.68	0	1-Hr	ALL	1st	YES
503850	4857775	102.2731	694.86	694.86	0	1-Hr	ALL	1st	YES
503875	4857775	107.6799	695.02	695.02	0	1-Hr	ALL	1st	YES
503900	4857775	110.0657	694.98	694.98	0	1-Hr	ALL	1st	YES
503925	4857775	118.5459	694.81	694.81	0	1-Hr	ALL	1st	YES
503950	4857775	141.5369	694.61	694.61	0	1-Hr	ALL	1st	YES
503975	4857775	154.0772	694.33	694.33	0	1-Hr	ALL	1st	YES
504000	4857775	155.3576	693.53	693.53	0	1-Hr	ALL	1st	YES
504025	4857775	159.823	693.31	693.31	0	1-Hr	ALL	1st	YES
504050	4857775	169.5087	692.8	692.8	0	1-Hr	ALL	1st	YES
504075	4857775	185.7487	692.53	692.53	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504100	4857775	196.3906	693.75	693.75	0	1-Hr	ALL	1st	YES
504125	4857775	282.6513	694.97	694.97	0	1-Hr	ALL	1st	YES
504150	4857775	259.6263	695.87	695.87	0	1-Hr	ALL	1st	YES
504175	4857775	301.643	696.13	696.13	0	1-Hr	ALL	1st	YES
504200	4857775	293.7635	696.28	696.28	0	1-Hr	ALL	1st	YES
504225	4857775	273.2458	696.11	696.11	0	1-Hr	ALL	1st	YES
504250	4857775	229.2063	695.73	695.73	0	1-Hr	ALL	1st	YES
504275	4857775	191.6969	695.89	695.89	0	1-Hr	ALL	1st	YES
504300	4857775	162.4658	697.29	697.29	0	1-Hr	ALL	1st	YES
504325	4857775	142.3878	698	698	0	1-Hr	ALL	1st	YES
504350	4857775	136.1235	698	698	0	1-Hr	ALL	1st	YES
504375	4857775	133.361	697.86	697.86	0	1-Hr	ALL	1st	YES
504400	4857775	123.3518	699.21	699.21	0	1-Hr	ALL	1st	YES
504425	4857775	119.8477	700.03	700.03	0	1-Hr	ALL	1st	YES
503550	4857800	84.11133	692.41	692.41	0	1-Hr	ALL	1st	YES
503575	4857800	85.2524	692.24	692.24	0	1-Hr	ALL	1st	YES
503600	4857800	86.86382	692.24	692.24	0	1-Hr	ALL	1st	YES
503625	4857800	88.56177	692.33	692.33	0	1-Hr	ALL	1st	YES
503650	4857800	90.09035	692.48	692.48	0	1-Hr	ALL	1st	YES
504325	4857800	142.9223	697.33	697.33	0	1-Hr	ALL	1st	YES
504350	4857800	134.718	697.35	697.35	0	1-Hr	ALL	1st	YES
504375	4857800	124.7664	698.01	698.01	0	1-Hr	ALL	1st	YES
504400	4857800	115.2161	699.11	699.11	0	1-Hr	ALL	1st	YES
504425	4857800	121.46	700.02	700.02	0	1-Hr	ALL	1st	YES
503550	4857825	91.46166	692.37	692.37	0	1-Hr	ALL	1st	YES
503575	4857825	92.15204	692.08	692.08	0	1-Hr	ALL	1st	YES
503600	4857825	91.90293	691.82	691.82	0	1-Hr	ALL	1st	YES
503625	4857825	91.66471	691.62	691.62	0	1-Hr	ALL	1st	YES
503650	4857825	92.40017	691.8	691.8	0	1-Hr	ALL	1st	YES
504325	4857825	137.6904	696.35	696.35	0	1-Hr	ALL	1st	YES
504350	4857825	129.1022	696.79	696.79	0	1-Hr	ALL	1st	YES
504375	4857825	120.7669	697.87	697.87	0	1-Hr	ALL	1st	YES
504400	4857825	112.3109	698.88	698.88	0	1-Hr	ALL	1st	YES
504425	4857825	107.1793	699.42	699.42	0	1-Hr	ALL	1st	YES
503550	4857850	94.6997	692.48	692.48	0	1-Hr	ALL	1st	YES
503575	4857850	97.24285	692.04	692.04	0	1-Hr	ALL	1st	YES
503600	4857850	98.6231	691.54	691.54	0	1-Hr	ALL	1st	YES
503625	4857850	100.5295	691.33	691.33	0	1-Hr	ALL	1st	YES
503650	4857850	101.987	691.55	691.55	0	1-Hr	ALL	1st	YES
504325	4857850	144.0167	695.84	695.84	0	1-Hr	ALL	1st	YES
504350	4857850	140.0684	696.35	696.35	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4857850	134.044	697.5	697.5	0	1-Hr	ALL	1st	YES
504400	4857850	126.7104	698.37	698.37	0	1-Hr	ALL	1st	YES
504425	4857850	122.0044	698.71	698.71	0	1-Hr	ALL	1st	YES
503550	4857875	94.77894	692.51	692.51	0	1-Hr	ALL	1st	YES
503575	4857875	95.87061	692.18	692.18	0	1-Hr	ALL	1st	YES
503600	4857875	98.11	691.37	691.37	0	1-Hr	ALL	1st	YES
503625	4857875	100.8926	691.21	691.21	0	1-Hr	ALL	1st	YES
503650	4857875	103.511	692.35	692.35	0	1-Hr	ALL	1st	YES
504325	4857875	157.4648	695.95	695.95	0	1-Hr	ALL	1st	YES
504350	4857875	145.2072	696.25	696.25	0	1-Hr	ALL	1st	YES
504375	4857875	135.3934	697.15	697.15	0	1-Hr	ALL	1st	YES
504400	4857875	124.7807	697.86	697.86	0	1-Hr	ALL	1st	YES
504425	4857875	116.2267	698.23	698.23	0	1-Hr	ALL	1st	YES
503550	4857900	96.97309	692.6	692.6	0	1-Hr	ALL	1st	YES
503575	4857900	98.70492	692.44	692.44	0	1-Hr	ALL	1st	YES
503600	4857900	100.4181	691.54	691.54	0	1-Hr	ALL	1st	YES
503625	4857900	102.7983	691.16	691.16	0	1-Hr	ALL	1st	YES
503650	4857900	105.7461	692.71	692.71	0	1-Hr	ALL	1st	YES
504325	4857900	134.4651	696.13	696.13	0	1-Hr	ALL	1st	YES
504350	4857900	127.8262	696.38	696.38	0	1-Hr	ALL	1st	YES
504375	4857900	123.9706	696.64	696.64	0	1-Hr	ALL	1st	YES
504400	4857900	117.0052	697.18	697.18	0	1-Hr	ALL	1st	YES
504425	4857900	109.5894	697.7	697.7	0	1-Hr	ALL	1st	YES
503550	4857925	100.6527	692.43	692.43	0	1-Hr	ALL	1st	YES
503575	4857925	102.9175	692.47	692.47	0	1-Hr	ALL	1st	YES
503600	4857925	105.7284	692.28	692.28	0	1-Hr	ALL	1st	YES
503625	4857925	108.6135	692.3	692.3	0	1-Hr	ALL	1st	YES
503650	4857925	111.2769	692.83	692.83	0	1-Hr	ALL	1st	YES
504300	4857925	131.3101	695.84	695.84	0	1-Hr	ALL	1st	YES
504325	4857925	125.7622	695.94	695.94	0	1-Hr	ALL	1st	YES
504350	4857925	119.4633	695.88	695.88	0	1-Hr	ALL	1st	YES
504375	4857925	114.4972	696.03	696.03	0	1-Hr	ALL	1st	YES
504400	4857925	110.2899	696.6	696.6	0	1-Hr	ALL	1st	YES
504425	4857925	107.5209	697.28	697.28	0	1-Hr	ALL	1st	YES
503550	4857950	103.5145	692.38	692.38	0	1-Hr	ALL	1st	YES
503575	4857950	107.0317	692.39	692.39	0	1-Hr	ALL	1st	YES
503600	4857950	110.3605	692.28	692.28	0	1-Hr	ALL	1st	YES
503625	4857950	113.7916	692.61	692.61	0	1-Hr	ALL	1st	YES
503650	4857950	117.5662	692.48	692.48	0	1-Hr	ALL	1st	YES
504250	4857950	132.8818	693.91	693.91	0	1-Hr	ALL	1st	YES
504275	4857950	122.7291	694.3	694.3	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504300	4857950	114.8919	694.88	694.88	0	1-Hr	ALL	1st	YES
504325	4857950	111.2461	695.21	695.21	0	1-Hr	ALL	1st	YES
504350	4857950	115.0966	695.37	695.37	0	1-Hr	ALL	1st	YES
504375	4857950	109.7823	695.69	695.69	0	1-Hr	ALL	1st	YES
504400	4857950	105.2953	696.26	696.26	0	1-Hr	ALL	1st	YES
504425	4857950	101.2841	696.8	696.8	0	1-Hr	ALL	1st	YES
503550	4857975	106.6935	692.23	692.23	0	1-Hr	ALL	1st	YES
503575	4857975	109.1854	692.02	692.02	0	1-Hr	ALL	1st	YES
503600	4857975	111.3224	691.81	691.81	0	1-Hr	ALL	1st	YES
503625	4857975	113.5824	691.49	691.49	0	1-Hr	ALL	1st	YES
503650	4857975	116.1968	691.4	691.4	0	1-Hr	ALL	1st	YES
504250	4857975	127.0493	693.76	693.76	0	1-Hr	ALL	1st	YES
504275	4857975	119.5392	693.88	693.88	0	1-Hr	ALL	1st	YES
504300	4857975	114.7912	694.18	694.18	0	1-Hr	ALL	1st	YES
504325	4857975	110.6255	694.59	694.59	0	1-Hr	ALL	1st	YES
504350	4857975	106.7711	694.95	694.95	0	1-Hr	ALL	1st	YES
504375	4857975	112.472	695.38	695.38	0	1-Hr	ALL	1st	YES
504400	4857975	108.2297	695.82	695.82	0	1-Hr	ALL	1st	YES
504425	4857975	103.5539	696.21	696.21	0	1-Hr	ALL	1st	YES
503550	4858000	108.2851	691.95	691.95	0	1-Hr	ALL	1st	YES
503575	4858000	114.1729	691.61	691.61	0	1-Hr	ALL	1st	YES
503600	4858000	121.9321	691.12	691.12	0	1-Hr	ALL	1st	YES
503625	4858000	133.856	690.6	690.6	0	1-Hr	ALL	1st	YES
503650	4858000	149.9014	690.63	690.63	0	1-Hr	ALL	1st	YES
504250	4858000	121.9668	693.95	693.95	0	1-Hr	ALL	1st	YES
504275	4858000	117.3774	694.07	694.07	0	1-Hr	ALL	1st	YES
504300	4858000	112.5571	694.26	694.26	0	1-Hr	ALL	1st	YES
504325	4858000	106.8184	694.3	694.3	0	1-Hr	ALL	1st	YES
504350	4858000	102.6805	694.61	694.61	0	1-Hr	ALL	1st	YES
504375	4858000	99.49897	694.85	694.85	0	1-Hr	ALL	1st	YES
504400	4858000	108.3964	695.29	695.29	0	1-Hr	ALL	1st	YES
504425	4858000	104.6383	695.98	695.98	0	1-Hr	ALL	1st	YES
503550	4858025	128.1732	691.58	691.58	0	1-Hr	ALL	1st	YES
503575	4858025	138.7073	691	691	0	1-Hr	ALL	1st	YES
503600	4858025	151.3134	690.42	690.42	0	1-Hr	ALL	1st	YES
503625	4858025	166.4069	689.91	689.91	0	1-Hr	ALL	1st	YES
503650	4858025	185.0112	689.9	689.9	0	1-Hr	ALL	1st	YES
504225	4858025	124.4718	694.35	694.35	0	1-Hr	ALL	1st	YES
504250	4858025	116.9532	694.49	694.49	0	1-Hr	ALL	1st	YES
504275	4858025	113.8916	694.64	694.64	0	1-Hr	ALL	1st	YES
504300	4858025	107.989	694.74	694.74	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504325	4858025	104.0238	694.73	694.73	0	1-Hr	ALL	1st	YES
504350	4858025	101.104	694.64	694.64	0	1-Hr	ALL	1st	YES
504375	4858025	98.27205	694.7	694.7	0	1-Hr	ALL	1st	YES
504400	4858025	95.3119	694.94	694.94	0	1-Hr	ALL	1st	YES
504425	4858025	100.4614	695.29	695.29	0	1-Hr	ALL	1st	YES
503550	4858050	149.2392	691.24	691.24	0	1-Hr	ALL	1st	YES
503575	4858050	158.2636	690.58	690.58	0	1-Hr	ALL	1st	YES
503600	4858050	157.6867	689.97	689.97	0	1-Hr	ALL	1st	YES
503625	4858050	153.6624	689.62	689.62	0	1-Hr	ALL	1st	YES
503650	4858050	160.9894	689.78	689.78	0	1-Hr	ALL	1st	YES
503875	4858050	155.356	690.02	690.02	0	1-Hr	ALL	1st	YES
503900	4858050	161.3225	690.35	690.35	0	1-Hr	ALL	1st	YES
503925	4858050	168.1734	690.9	690.9	0	1-Hr	ALL	1st	YES
503950	4858050	181.0575	691.46	691.46	0	1-Hr	ALL	1st	YES
503975	4858050	190.7431	691.62	691.62	0	1-Hr	ALL	1st	YES
504000	4858050	182.8352	691.59	691.59	0	1-Hr	ALL	1st	YES
504025	4858050	151.8656	691.76	691.76	0	1-Hr	ALL	1st	YES
504050	4858050	144.3746	692.06	692.06	0	1-Hr	ALL	1st	YES
504075	4858050	141.4061	692.4	692.4	0	1-Hr	ALL	1st	YES
504225	4858050	109.8592	694.87	694.87	0	1-Hr	ALL	1st	YES
504250	4858050	102.7198	695.14	695.14	0	1-Hr	ALL	1st	YES
504275	4858050	117.4468	695.32	695.32	0	1-Hr	ALL	1st	YES
504300	4858050	118.7093	695.41	695.41	0	1-Hr	ALL	1st	YES
504325	4858050	115.5898	695.36	695.36	0	1-Hr	ALL	1st	YES
504350	4858050	99.59215	695.26	695.26	0	1-Hr	ALL	1st	YES
504375	4858050	96.32793	695.01	695.01	0	1-Hr	ALL	1st	YES
504400	4858050	94.03075	695.03	695.03	0	1-Hr	ALL	1st	YES
504425	4858050	92.90642	695.13	695.13	0	1-Hr	ALL	1st	YES
503550	4858075	132.964	690.85	690.85	0	1-Hr	ALL	1st	YES
503575	4858075	139.0166	690.21	690.21	0	1-Hr	ALL	1st	YES
503600	4858075	135.7982	689.63	689.63	0	1-Hr	ALL	1st	YES
503625	4858075	129.6268	689.19	689.19	0	1-Hr	ALL	1st	YES
503650	4858075	124.8368	689.77	689.77	0	1-Hr	ALL	1st	YES
503675	4858075	130.9787	690.22	690.22	0	1-Hr	ALL	1st	YES
503700	4858075	134.3986	689.7	689.7	0	1-Hr	ALL	1st	YES
503725	4858075	132.4007	688.91	688.91	0	1-Hr	ALL	1st	YES
503750	4858075	130.1012	688.95	688.95	0	1-Hr	ALL	1st	YES
503775	4858075	134.7448	689.23	689.23	0	1-Hr	ALL	1st	YES
503800	4858075	133.6741	689.54	689.54	0	1-Hr	ALL	1st	YES
503825	4858075	135.892	689.81	689.81	0	1-Hr	ALL	1st	YES
503850	4858075	144.5092	690.23	690.23	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503875	4858075	147.7218	690.81	690.81	0	1-Hr	ALL	1st	YES
503900	4858075	154.5374	691.28	691.28	0	1-Hr	ALL	1st	YES
503925	4858075	164.2918	691.87	691.87	0	1-Hr	ALL	1st	YES
503950	4858075	177.5714	692.31	692.31	0	1-Hr	ALL	1st	YES
503975	4858075	168.7586	692.58	692.58	0	1-Hr	ALL	1st	YES
504000	4858075	168.5651	692.58	692.58	0	1-Hr	ALL	1st	YES
504025	4858075	140.6641	692.56	692.56	0	1-Hr	ALL	1st	YES
504050	4858075	134.6034	692.9	692.9	0	1-Hr	ALL	1st	YES
504075	4858075	126.3768	693.15	693.15	0	1-Hr	ALL	1st	YES
504100	4858075	118.789	693.47	693.47	0	1-Hr	ALL	1st	YES
504125	4858075	119.8825	693.84	693.84	0	1-Hr	ALL	1st	YES
504150	4858075	110.6421	694.19	694.19	0	1-Hr	ALL	1st	YES
504175	4858075	109.8021	694.67	694.67	0	1-Hr	ALL	1st	YES
504200	4858075	104.6358	695.08	695.08	0	1-Hr	ALL	1st	YES
504225	4858075	109.3621	695.43	695.43	0	1-Hr	ALL	1st	YES
504250	4858075	109.5011	695.7	695.7	0	1-Hr	ALL	1st	YES
504275	4858075	105.3042	695.93	695.93	0	1-Hr	ALL	1st	YES
504300	4858075	103.0719	696.06	696.06	0	1-Hr	ALL	1st	YES
504325	4858075	106.4595	696.07	696.07	0	1-Hr	ALL	1st	YES
504350	4858075	107.9863	695.99	695.99	0	1-Hr	ALL	1st	YES
504375	4858075	107.3311	695.83	695.83	0	1-Hr	ALL	1st	YES
504400	4858075	104.2127	695.63	695.63	0	1-Hr	ALL	1st	YES
504425	4858075	101.7045	695.55	695.55	0	1-Hr	ALL	1st	YES
503550	4858100	124.1345	690.49	690.49	0	1-Hr	ALL	1st	YES
503575	4858100	122.9874	689.81	689.81	0	1-Hr	ALL	1st	YES
503600	4858100	118.6898	689.01	689.01	0	1-Hr	ALL	1st	YES
503625	4858100	118.8824	688.79	688.79	0	1-Hr	ALL	1st	YES
503650	4858100	123.7723	689.51	689.51	0	1-Hr	ALL	1st	YES
503675	4858100	127.6459	689.78	689.78	0	1-Hr	ALL	1st	YES
503700	4858100	122.08	689.13	689.13	0	1-Hr	ALL	1st	YES
503725	4858100	123.1876	688.77	688.77	0	1-Hr	ALL	1st	YES
503750	4858100	127.8236	688.79	688.79	0	1-Hr	ALL	1st	YES
503775	4858100	125.3776	689.21	689.21	0	1-Hr	ALL	1st	YES
503800	4858100	127.4865	689.68	689.68	0	1-Hr	ALL	1st	YES
503825	4858100	133.269	690.18	690.18	0	1-Hr	ALL	1st	YES
503850	4858100	136.5041	690.8	690.8	0	1-Hr	ALL	1st	YES
503875	4858100	143.2148	691.54	691.54	0	1-Hr	ALL	1st	YES
503900	4858100	150.4913	692.24	692.24	0	1-Hr	ALL	1st	YES
503925	4858100	164.2618	692.9	692.9	0	1-Hr	ALL	1st	YES
503950	4858100	163.9102	693.43	693.43	0	1-Hr	ALL	1st	YES
503975	4858100	154.4282	693.75	693.75	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4858100	152.5713	693.81	693.81	0	1-Hr	ALL	1st	YES
504025	4858100	131.6134	693.75	693.75	0	1-Hr	ALL	1st	YES
504050	4858100	125.0263	693.75	693.75	0	1-Hr	ALL	1st	YES
504075	4858100	113.1053	694.01	694.01	0	1-Hr	ALL	1st	YES
504100	4858100	109.2512	694.1	694.1	0	1-Hr	ALL	1st	YES
504125	4858100	112.5466	694.23	694.23	0	1-Hr	ALL	1st	YES
504150	4858100	100.0719	694.61	694.61	0	1-Hr	ALL	1st	YES
504175	4858100	99.25779	695.01	695.01	0	1-Hr	ALL	1st	YES
504200	4858100	111.9612	695.49	695.49	0	1-Hr	ALL	1st	YES
504225	4858100	107.3772	695.87	695.87	0	1-Hr	ALL	1st	YES
504250	4858100	100.8968	696.16	696.16	0	1-Hr	ALL	1st	YES
504275	4858100	99.74982	696.45	696.45	0	1-Hr	ALL	1st	YES
504300	4858100	99.84903	696.65	696.65	0	1-Hr	ALL	1st	YES
504325	4858100	95.37109	696.78	696.78	0	1-Hr	ALL	1st	YES
504350	4858100	94.53548	696.8	696.8	0	1-Hr	ALL	1st	YES
504375	4858100	98.30412	696.71	696.71	0	1-Hr	ALL	1st	YES
504400	4858100	99.831	696.48	696.48	0	1-Hr	ALL	1st	YES
504425	4858100	100.1854	696.33	696.33	0	1-Hr	ALL	1st	YES
503550	4858125	116.03	690.08	690.08	0	1-Hr	ALL	1st	YES
503575	4858125	113.4798	689.25	689.25	0	1-Hr	ALL	1st	YES
503600	4858125	112.5057	688.28	688.28	0	1-Hr	ALL	1st	YES
503625	4858125	115.2247	688.07	688.07	0	1-Hr	ALL	1st	YES
503650	4858125	113.8195	688.7	688.7	0	1-Hr	ALL	1st	YES
503675	4858125	114.6117	688.88	688.88	0	1-Hr	ALL	1st	YES
503700	4858125	120.9373	688.68	688.68	0	1-Hr	ALL	1st	YES
503725	4858125	121.64	688.8	688.8	0	1-Hr	ALL	1st	YES
503750	4858125	118.1422	688.95	688.95	0	1-Hr	ALL	1st	YES
503775	4858125	119.8271	689.25	689.25	0	1-Hr	ALL	1st	YES
503800	4858125	122.9476	689.9	689.9	0	1-Hr	ALL	1st	YES
503825	4858125	127.4859	690.55	690.55	0	1-Hr	ALL	1st	YES
503850	4858125	133.3631	691.16	691.16	0	1-Hr	ALL	1st	YES
503875	4858125	136.6607	692.03	692.03	0	1-Hr	ALL	1st	YES
503900	4858125	151.4692	692.97	692.97	0	1-Hr	ALL	1st	YES
503925	4858125	157.4438	693.89	693.89	0	1-Hr	ALL	1st	YES
503950	4858125	145.8937	694.59	694.59	0	1-Hr	ALL	1st	YES
503975	4858125	147.1913	695.01	695.01	0	1-Hr	ALL	1st	YES
504000	4858125	135.9053	695.08	695.08	0	1-Hr	ALL	1st	YES
504025	4858125	121.1922	695.15	695.15	0	1-Hr	ALL	1st	YES
504050	4858125	114.5836	695.01	695.01	0	1-Hr	ALL	1st	YES
504075	4858125	104.1284	694.78	694.78	0	1-Hr	ALL	1st	YES
504100	4858125	103.1355	694.68	694.68	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504125	4858125	103.9231	694.61	694.61	0	1-Hr	ALL	1st	YES
504150	4858125	95.83103	694.79	694.79	0	1-Hr	ALL	1st	YES
504175	4858125	90.20247	695.15	695.15	0	1-Hr	ALL	1st	YES
504200	4858125	99.66744	695.6	695.6	0	1-Hr	ALL	1st	YES
504225	4858125	103.8136	696.06	696.06	0	1-Hr	ALL	1st	YES
504250	4858125	99.44757	696.59	696.59	0	1-Hr	ALL	1st	YES
504275	4858125	94.56494	696.9	696.9	0	1-Hr	ALL	1st	YES
504300	4858125	91.26539	697.21	697.21	0	1-Hr	ALL	1st	YES
504325	4858125	93.36595	697.45	697.45	0	1-Hr	ALL	1st	YES
504350	4858125	90.52376	697.58	697.58	0	1-Hr	ALL	1st	YES
504375	4858125	88.08038	697.59	697.59	0	1-Hr	ALL	1st	YES
504400	4858125	87.81178	697.53	697.53	0	1-Hr	ALL	1st	YES
504425	4858125	91.76062	697.37	697.37	0	1-Hr	ALL	1st	YES
503550	4858150	109.2056	689.54	689.54	0	1-Hr	ALL	1st	YES
503575	4858150	108.6971	688.08	688.08	0	1-Hr	ALL	1st	YES
503600	4858150	104.6491	687.14	687.14	0	1-Hr	ALL	1st	YES
503625	4858150	102.1046	687.01	687.01	0	1-Hr	ALL	1st	YES
503650	4858150	107.3217	687.26	687.26	0	1-Hr	ALL	1st	YES
503675	4858150	114.2298	687.82	687.82	0	1-Hr	ALL	1st	YES
503700	4858150	114.2606	688.45	688.45	0	1-Hr	ALL	1st	YES
503725	4858150	112.7251	688.98	688.98	0	1-Hr	ALL	1st	YES
503750	4858150	113.8891	689.26	689.26	0	1-Hr	ALL	1st	YES
503775	4858150	113.8936	689.49	689.49	0	1-Hr	ALL	1st	YES
503800	4858150	118.0314	689.79	689.79	0	1-Hr	ALL	1st	YES
503825	4858150	124.535	690.51	690.51	0	1-Hr	ALL	1st	YES
503850	4858150	124.3063	691.4	691.4	0	1-Hr	ALL	1st	YES
503875	4858150	140.3398	692.4	692.4	0	1-Hr	ALL	1st	YES
503900	4858150	147.6095	693.52	693.52	0	1-Hr	ALL	1st	YES
503925	4858150	143.4678	694.6	694.6	0	1-Hr	ALL	1st	YES
503950	4858150	144.3231	695.46	695.46	0	1-Hr	ALL	1st	YES
503975	4858150	148.392	695.9	695.9	0	1-Hr	ALL	1st	YES
504000	4858150	129.7084	696	696	0	1-Hr	ALL	1st	YES
504025	4858150	119.6677	695.95	695.95	0	1-Hr	ALL	1st	YES
504050	4858150	119.0363	695.86	695.86	0	1-Hr	ALL	1st	YES
504075	4858150	108.3947	695.74	695.74	0	1-Hr	ALL	1st	YES
504100	4858150	109.706	695.32	695.32	0	1-Hr	ALL	1st	YES
504125	4858150	97.19566	695.11	695.11	0	1-Hr	ALL	1st	YES
504150	4858150	91.87791	695	695	0	1-Hr	ALL	1st	YES
504175	4858150	86.56711	695.07	695.07	0	1-Hr	ALL	1st	YES
504200	4858150	92.55729	695.45	695.45	0	1-Hr	ALL	1st	YES
504225	4858150	95.08927	695.95	695.95	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504250	4858150	97.52186	696.56	696.56	0	1-Hr	ALL	1st	YES
504275	4858150	93.63473	697.05	697.05	0	1-Hr	ALL	1st	YES
504300	4858150	88.20877	697.45	697.45	0	1-Hr	ALL	1st	YES
504325	4858150	84.7089	697.81	697.81	0	1-Hr	ALL	1st	YES
504350	4858150	87.16144	698.16	698.16	0	1-Hr	ALL	1st	YES
504375	4858150	86.12994	698.4	698.4	0	1-Hr	ALL	1st	YES
504400	4858150	83.25942	698.45	698.45	0	1-Hr	ALL	1st	YES
504425	4858150	81.85702	698.43	698.43	0	1-Hr	ALL	1st	YES
503550	4858175	103.1722	688.28	689.03	0	1-Hr	ALL	1st	YES
503575	4858175	96.11879	686.51	686.51	0	1-Hr	ALL	1st	YES
503600	4858175	95.79326	685.45	685.45	0	1-Hr	ALL	1st	YES
503625	4858175	101.1993	685.41	685.41	0	1-Hr	ALL	1st	YES
503650	4858175	106.1919	686.25	686.25	0	1-Hr	ALL	1st	YES
503675	4858175	106.3919	687.35	687.35	0	1-Hr	ALL	1st	YES
503700	4858175	107.549	688.71	688.71	0	1-Hr	ALL	1st	YES
503725	4858175	109.2492	689.66	689.66	0	1-Hr	ALL	1st	YES
503750	4858175	108.8294	689.95	689.95	0	1-Hr	ALL	1st	YES
503775	4858175	112.5081	689.97	689.97	0	1-Hr	ALL	1st	YES
503800	4858175	115.6392	689.83	689.83	0	1-Hr	ALL	1st	YES
503825	4858175	113.8508	689.82	689.82	0	1-Hr	ALL	1st	YES
503850	4858175	129.3279	690.9	690.9	0	1-Hr	ALL	1st	YES
503875	4858175	137.5097	692.53	692.53	0	1-Hr	ALL	1st	YES
503900	4858175	140.2882	693.78	693.78	0	1-Hr	ALL	1st	YES
503925	4858175	130.7906	695.04	695.04	0	1-Hr	ALL	1st	YES
503950	4858175	131.673	695.92	695.92	0	1-Hr	ALL	1st	YES
503975	4858175	140.9471	696.11	696.11	0	1-Hr	ALL	1st	YES
504000	4858175	120.0834	696.21	696.21	0	1-Hr	ALL	1st	YES
504025	4858175	113.5363	696.32	696.32	0	1-Hr	ALL	1st	YES
504050	4858175	113.3451	696.18	696.18	0	1-Hr	ALL	1st	YES
504075	4858175	104.0794	695.96	695.96	0	1-Hr	ALL	1st	YES
504100	4858175	101.2054	695.84	695.84	0	1-Hr	ALL	1st	YES
504125	4858175	97.69076	695.65	695.65	0	1-Hr	ALL	1st	YES
504150	4858175	95.67124	695.49	695.49	0	1-Hr	ALL	1st	YES
504175	4858175	83.95432	695.24	695.24	0	1-Hr	ALL	1st	YES
504200	4858175	89.79883	695.39	695.39	0	1-Hr	ALL	1st	YES
504225	4858175	87.55043	695.81	695.81	0	1-Hr	ALL	1st	YES
504250	4858175	91.24048	696.22	696.22	0	1-Hr	ALL	1st	YES
504275	4858175	92.40303	696.82	696.82	0	1-Hr	ALL	1st	YES
504300	4858175	89.11291	697.34	697.34	0	1-Hr	ALL	1st	YES
504325	4858175	84.27891	697.9	697.9	0	1-Hr	ALL	1st	YES
504350	4858175	79.52774	698.46	698.46	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4858175	81.0585	698.89	698.89	0	1-Hr	ALL	1st	YES
504400	4858175	81.00969	699.21	699.21	0	1-Hr	ALL	1st	YES
504425	4858175	79.27858	699.44	699.44	0	1-Hr	ALL	1st	YES
503550	4858200	91.23178	686.39	690.12	0	1-Hr	ALL	1st	YES
503575	4858200	92.91273	684.89	684.89	0	1-Hr	ALL	1st	YES
503600	4858200	96.19326	683.98	683.98	0	1-Hr	ALL	1st	YES
503625	4858200	97.74745	684.37	684.37	0	1-Hr	ALL	1st	YES
503650	4858200	98.27307	686.01	686.01	0	1-Hr	ALL	1st	YES
503675	4858200	100.1708	687.49	687.49	0	1-Hr	ALL	1st	YES
503700	4858200	102.0177	689.04	689.04	0	1-Hr	ALL	1st	YES
503725	4858200	104.4195	689.84	689.84	0	1-Hr	ALL	1st	YES
503750	4858200	108.0969	690.29	690.29	0	1-Hr	ALL	1st	YES
503775	4858200	111.8619	690.57	690.57	0	1-Hr	ALL	1st	YES
503800	4858200	110.2678	690.54	690.54	0	1-Hr	ALL	1st	YES
503825	4858200	119.9632	690.66	690.66	0	1-Hr	ALL	1st	YES
503850	4858200	127.8236	691.33	691.33	0	1-Hr	ALL	1st	YES
503875	4858200	134.3976	692.84	692.84	0	1-Hr	ALL	1st	YES
503900	4858200	128.6166	694.01	694.01	0	1-Hr	ALL	1st	YES
503925	4858200	123.0621	695.21	695.21	0	1-Hr	ALL	1st	YES
503950	4858200	129.4905	695.81	695.81	0	1-Hr	ALL	1st	YES
503975	4858200	132.2397	696.04	696.04	0	1-Hr	ALL	1st	YES
504000	4858200	113.7383	696.17	696.17	0	1-Hr	ALL	1st	YES
504025	4858200	109.4811	696.35	696.35	0	1-Hr	ALL	1st	YES
504050	4858200	108.8263	696.37	696.37	0	1-Hr	ALL	1st	YES
504075	4858200	100.4442	696.28	696.28	0	1-Hr	ALL	1st	YES
504100	4858200	95.90074	696.08	696.08	0	1-Hr	ALL	1st	YES
504125	4858200	95.22888	695.89	695.89	0	1-Hr	ALL	1st	YES
504150	4858200	91.4583	695.84	695.84	0	1-Hr	ALL	1st	YES
504175	4858200	91.05251	695.56	695.56	0	1-Hr	ALL	1st	YES
504200	4858200	87.59251	695.47	695.47	0	1-Hr	ALL	1st	YES
504225	4858200	85.52365	695.62	695.62	0	1-Hr	ALL	1st	YES
504250	4858200	85.38228	695.9	695.9	0	1-Hr	ALL	1st	YES
504275	4858200	87.95398	696.42	696.42	0	1-Hr	ALL	1st	YES
504300	4858200	88.40799	697.09	697.09	0	1-Hr	ALL	1st	YES
504325	4858200	84.94997	697.77	697.77	0	1-Hr	ALL	1st	YES
504350	4858200	80.06243	698.61	698.61	0	1-Hr	ALL	1st	YES
504375	4858200	75.30787	699.36	699.36	0	1-Hr	ALL	1st	YES
504400	4858200	74.40374	699.94	699.94	0	1-Hr	ALL	1st	YES
504425	4858200	74.88187	700.3	700.3	0	1-Hr	ALL	1st	YES
502600	4856700	26.41275	691.73	691.73	0	1-Hr	ALL	1st	YES
502700	4856700	27.50835	692.15	692.15	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502800	4856700	29.96994	692.26	692.26	0	1-Hr	ALL	1st	YES
502900	4856700	31.06256	692.39	692.39	0	1-Hr	ALL	1st	YES
503000	4856700	33.8604	692.49	692.49	0	1-Hr	ALL	1st	YES
503100	4856700	31.1357	693.09	693.09	0	1-Hr	ALL	1st	YES
503200	4856700	29.74779	693.58	693.58	0	1-Hr	ALL	1st	YES
503300	4856700	33.56182	693.76	693.76	0	1-Hr	ALL	1st	YES
503400	4856700	32.99296	694.13	694.13	0	1-Hr	ALL	1st	YES
503500	4856700	36.96809	695.75	695.75	0	1-Hr	ALL	1st	YES
503600	4856700	40.55216	696.95	696.95	0	1-Hr	ALL	1st	YES
503700	4856700	38.39933	697.37	697.37	0	1-Hr	ALL	1st	YES
503800	4856700	37.86122	702.28	702.28	0	1-Hr	ALL	1st	YES
503900	4856700	39.26826	703.06	703.06	0	1-Hr	ALL	1st	YES
504000	4856700	36.59956	702.83	702.83	0	1-Hr	ALL	1st	YES
504100	4856700	39.7909	700.16	700.16	0	1-Hr	ALL	1st	YES
504200	4856700	42.87131	700.65	700.65	0	1-Hr	ALL	1st	YES
504300	4856700	44.16283	700.57	700.57	0	1-Hr	ALL	1st	YES
504400	4856700	37.91429	704.26	706.85	0	1-Hr	ALL	1st	YES
504500	4856700	29.78588	708.37	708.37	0	1-Hr	ALL	1st	YES
504600	4856700	30.97552	711.16	720.63	0	1-Hr	ALL	1st	YES
504700	4856700	22.47251	720.3	720.3	0	1-Hr	ALL	1st	YES
504800	4856700	14.25745	725.97	725.97	0	1-Hr	ALL	1st	YES
504900	4856700	12.58968	728.24	728.24	0	1-Hr	ALL	1st	YES
505000	4856700	10.51975	732.97	732.97	0	1-Hr	ALL	1st	YES
505100	4856700	10.2834	735.86	735.86	0	1-Hr	ALL	1st	YES
505200	4856700	8.55117	738.37	738.37	0	1-Hr	ALL	1st	YES
505300	4856700	8.94195	738.56	738.56	0	1-Hr	ALL	1st	YES
505400	4856700	9.09869	738.56	738.56	0	1-Hr	ALL	1st	YES
502600	4856800	27.78104	691.39	691.39	0	1-Hr	ALL	1st	YES
502700	4856800	29.29698	691.85	691.85	0	1-Hr	ALL	1st	YES
502800	4856800	30.33346	692.19	692.19	0	1-Hr	ALL	1st	YES
502900	4856800	32.85767	691.95	691.95	0	1-Hr	ALL	1st	YES
503000	4856800	34.19588	691.59	691.59	0	1-Hr	ALL	1st	YES
503100	4856800	37.0762	692.32	692.32	0	1-Hr	ALL	1st	YES
503200	4856800	32.46104	693.36	693.36	0	1-Hr	ALL	1st	YES
503300	4856800	34.80686	694.16	694.16	0	1-Hr	ALL	1st	YES
503400	4856800	39.0756	695.78	695.78	0	1-Hr	ALL	1st	YES
503500	4856800	37.90037	696.46	696.46	0	1-Hr	ALL	1st	YES
503600	4856800	42.55789	697.41	697.41	0	1-Hr	ALL	1st	YES
503700	4856800	38.37668	699.72	702.65	0	1-Hr	ALL	1st	YES
503800	4856800	41.3699	701.8	701.8	0	1-Hr	ALL	1st	YES
503900	4856800	43.99369	701.16	701.16	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4856800	40.23662	702.47	702.47	0	1-Hr	ALL	1st	YES
504100	4856800	38.90928	703.55	703.55	0	1-Hr	ALL	1st	YES
504200	4856800	41.62758	703.99	703.99	0	1-Hr	ALL	1st	YES
504300	4856800	45.88795	703.43	703.43	0	1-Hr	ALL	1st	YES
504400	4856800	43.62132	702	727.1	0	1-Hr	ALL	1st	YES
504500	4856800	44.25379	704.48	727.18	0	1-Hr	ALL	1st	YES
504600	4856800	44.09476	707.38	707.38	0	1-Hr	ALL	1st	YES
504700	4856800	26.20418	712.17	726.28	0	1-Hr	ALL	1st	YES
504800	4856800	16.97023	721.19	721.19	0	1-Hr	ALL	1st	YES
504900	4856800	15.67396	725.14	725.14	0	1-Hr	ALL	1st	YES
505000	4856800	14.97777	729.27	729.27	0	1-Hr	ALL	1st	YES
505100	4856800	11.36926	733.6	733.6	0	1-Hr	ALL	1st	YES
505200	4856800	11.7339	734.43	734.43	0	1-Hr	ALL	1st	YES
505300	4856800	11.52977	733.04	738.45	0	1-Hr	ALL	1st	YES
505400	4856800	9.69289	736.45	738.25	0	1-Hr	ALL	1st	YES
502600	4856900	27.46796	691	691	0	1-Hr	ALL	1st	YES
502700	4856900	30.54722	691.61	691.61	0	1-Hr	ALL	1st	YES
502800	4856900	31.78604	691.11	691.11	0	1-Hr	ALL	1st	YES
502900	4856900	33.33245	690.83	690.83	0	1-Hr	ALL	1st	YES
503000	4856900	36.16996	691.27	691.27	0	1-Hr	ALL	1st	YES
503100	4856900	38.14292	691.9	691.9	0	1-Hr	ALL	1st	YES
503200	4856900	40.45761	693.71	693.71	0	1-Hr	ALL	1st	YES
503300	4856900	33.99219	694.33	694.33	0	1-Hr	ALL	1st	YES
503400	4856900	41.40743	695.81	695.81	0	1-Hr	ALL	1st	YES
503500	4856900	39.82475	697.16	697.16	0	1-Hr	ALL	1st	YES
503600	4856900	43.31904	698.21	698.21	0	1-Hr	ALL	1st	YES
503700	4856900	44.01092	699.62	700.69	0	1-Hr	ALL	1st	YES
503800	4856900	46.72903	697.76	702.63	0	1-Hr	ALL	1st	YES
503900	4856900	48.83466	696.94	696.94	0	1-Hr	ALL	1st	YES
504000	4856900	45.51844	701.39	701.39	0	1-Hr	ALL	1st	YES
504100	4856900	44.34395	703.13	703.13	0	1-Hr	ALL	1st	YES
504200	4856900	40.94626	706.05	706.05	0	1-Hr	ALL	1st	YES
504300	4856900	38.18216	708.55	708.55	0	1-Hr	ALL	1st	YES
504400	4856900	35.01905	709.19	727.1	0	1-Hr	ALL	1st	YES
504500	4856900	39.71662	710.31	727.24	0	1-Hr	ALL	1st	YES
504600	4856900	41.92407	707.29	727.43	0	1-Hr	ALL	1st	YES
504700	4856900	32.37622	708.02	720.33	0	1-Hr	ALL	1st	YES
504800	4856900	25.85599	714.26	721.39	0	1-Hr	ALL	1st	YES
504900	4856900	22.27281	721.51	721.51	0	1-Hr	ALL	1st	YES
505000	4856900	16.72261	725.71	725.71	0	1-Hr	ALL	1st	YES
505100	4856900	14.33503	732.53	732.53	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505200	4856900	15.86675	727.37	732.59	0	1-Hr	ALL	1st	YES
505300	4856900	14.98643	729.19	729.19	0	1-Hr	ALL	1st	YES
505400	4856900	12.64055	728.78	737.38	0	1-Hr	ALL	1st	YES
502600	4857000	32.63208	691.56	691.56	0	1-Hr	ALL	1st	YES
502700	4857000	31.63728	691.45	691.45	0	1-Hr	ALL	1st	YES
502800	4857000	32.32959	689.87	689.87	0	1-Hr	ALL	1st	YES
502900	4857000	35.37968	689.81	689.81	0	1-Hr	ALL	1st	YES
503000	4857000	36.72431	689.97	689.97	0	1-Hr	ALL	1st	YES
503100	4857000	40.08444	691.42	691.42	0	1-Hr	ALL	1st	YES
503200	4857000	43.03913	694.14	694.14	0	1-Hr	ALL	1st	YES
503300	4857000	46.20098	695.65	695.65	0	1-Hr	ALL	1st	YES
503400	4857000	40.98864	696.26	696.26	0	1-Hr	ALL	1st	YES
503500	4857000	46.07977	697.2	697.2	0	1-Hr	ALL	1st	YES
503600	4857000	41.25619	698.66	698.66	0	1-Hr	ALL	1st	YES
503700	4857000	45.6232	702.08	702.08	0	1-Hr	ALL	1st	YES
503800	4857000	45.46749	701.5	701.5	0	1-Hr	ALL	1st	YES
503900	4857000	51.03924	699.46	702.75	0	1-Hr	ALL	1st	YES
504000	4857000	47.10598	702.88	702.88	0	1-Hr	ALL	1st	YES
504100	4857000	50.28131	702.63	702.63	0	1-Hr	ALL	1st	YES
504200	4857000	44.36249	706.54	706.54	0	1-Hr	ALL	1st	YES
504300	4857000	40.47096	708	708	0	1-Hr	ALL	1st	YES
504400	4857000	33.49022	712.27	727.18	0	1-Hr	ALL	1st	YES
504500	4857000	29.98085	722.63	727.18	0	1-Hr	ALL	1st	YES
504600	4857000	25.49417	718.84	727.39	0	1-Hr	ALL	1st	YES
504700	4857000	39.63957	707.07	727.46	0	1-Hr	ALL	1st	YES
504800	4857000	34.01443	710.91	720.7	0	1-Hr	ALL	1st	YES
504900	4857000	23.51211	717.17	720.58	0	1-Hr	ALL	1st	YES
505000	4857000	22.65931	721.37	721.37	0	1-Hr	ALL	1st	YES
505100	4857000	21.27492	722.02	732.82	0	1-Hr	ALL	1st	YES
505200	4857000	19.30997	724.48	724.48	0	1-Hr	ALL	1st	YES
505300	4857000	16.13264	725.88	733.56	0	1-Hr	ALL	1st	YES
505400	4857000	12.1079	734.81	734.81	0	1-Hr	ALL	1st	YES
502600	4857100	33.28538	690.31	690.31	0	1-Hr	ALL	1st	YES
502700	4857100	35.98649	689.56	689.56	0	1-Hr	ALL	1st	YES
502800	4857100	37.72669	690.22	690.22	0	1-Hr	ALL	1st	YES
502900	4857100	36.20035	691.09	691.09	0	1-Hr	ALL	1st	YES
503000	4857100	40.28449	691.42	691.42	0	1-Hr	ALL	1st	YES
503100	4857100	40.51974	692.13	692.13	0	1-Hr	ALL	1st	YES
503200	4857100	44.79296	693.45	693.45	0	1-Hr	ALL	1st	YES
503300	4857100	47.22397	694.05	694.05	0	1-Hr	ALL	1st	YES
503400	4857100	48.88996	695.71	695.71	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503500	4857100	47.96544	697.05	697.05	0	1-Hr	ALL	1st	YES
503600	4857100	47.2892	699.03	699.03	0	1-Hr	ALL	1st	YES
503700	4857100	47.74577	702.14	702.14	0	1-Hr	ALL	1st	YES
503800	4857100	44.08048	702.82	702.82	0	1-Hr	ALL	1st	YES
503900	4857100	57.04973	697.95	697.95	0	1-Hr	ALL	1st	YES
504000	4857100	50.47103	702.85	702.85	0	1-Hr	ALL	1st	YES
504100	4857100	51.30497	704.54	704.54	0	1-Hr	ALL	1st	YES
504200	4857100	45.60391	708.52	708.52	0	1-Hr	ALL	1st	YES
504300	4857100	42.68289	710.32	710.32	0	1-Hr	ALL	1st	YES
504400	4857100	45.95412	713.07	713.07	0	1-Hr	ALL	1st	YES
504500	4857100	30.88465	721.16	726.97	0	1-Hr	ALL	1st	YES
504600	4857100	22.19015	727.25	727.25	0	1-Hr	ALL	1st	YES
504700	4857100	31.60341	715.93	727.46	0	1-Hr	ALL	1st	YES
504800	4857100	38.59773	707.73	727.43	0	1-Hr	ALL	1st	YES
504900	4857100	30.23489	714.33	724.9	0	1-Hr	ALL	1st	YES
505000	4857100	24.30525	722.27	726.93	0	1-Hr	ALL	1st	YES
505100	4857100	20.46969	726.7	726.7	0	1-Hr	ALL	1st	YES
505200	4857100	18.45237	727.54	727.54	0	1-Hr	ALL	1st	YES
505300	4857100	17.81424	728.19	728.19	0	1-Hr	ALL	1st	YES
505400	4857100	15.95341	726.29	736.79	0	1-Hr	ALL	1st	YES
502600	4857200	35.23526	689.56	689.56	0	1-Hr	ALL	1st	YES
502700	4857200	37.3395	690.38	690.38	0	1-Hr	ALL	1st	YES
502800	4857200	41.21829	691.33	691.33	0	1-Hr	ALL	1st	YES
502900	4857200	44.60596	691.84	691.84	0	1-Hr	ALL	1st	YES
503000	4857200	42.82688	692.31	692.31	0	1-Hr	ALL	1st	YES
503100	4857200	44.85906	692.73	692.73	0	1-Hr	ALL	1st	YES
503200	4857200	45.46413	693.46	693.46	0	1-Hr	ALL	1st	YES
503300	4857200	49.13245	694.61	694.61	0	1-Hr	ALL	1st	YES
503400	4857200	55.01731	696.47	696.47	0	1-Hr	ALL	1st	YES
503500	4857200	51.25981	697.12	697.12	0	1-Hr	ALL	1st	YES
503600	4857200	53.91258	698.48	698.48	0	1-Hr	ALL	1st	YES
503700	4857200	48.35562	698.83	698.83	0	1-Hr	ALL	1st	YES
503800	4857200	48.66036	702.26	702.26	0	1-Hr	ALL	1st	YES
503900	4857200	57.18841	698.99	701.79	0	1-Hr	ALL	1st	YES
504000	4857200	57.13617	702.31	702.31	0	1-Hr	ALL	1st	YES
504100	4857200	61.84967	702.36	702.36	0	1-Hr	ALL	1st	YES
504200	4857200	52.30488	708.24	708.24	0	1-Hr	ALL	1st	YES
504300	4857200	45.26724	710.05	710.05	0	1-Hr	ALL	1st	YES
504400	4857200	49.74639	711.83	711.83	0	1-Hr	ALL	1st	YES
504500	4857200	30.54176	718.36	727.19	0	1-Hr	ALL	1st	YES
504600	4857200	28.16856	727.34	727.34	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504700	4857200	25.59702	725.39	726.48	0	1-Hr	ALL	1st	YES
504800	4857200	35.09781	713.5	727.56	0	1-Hr	ALL	1st	YES
504900	4857200	38.50091	712.68	727.23	0	1-Hr	ALL	1st	YES
505000	4857200	25.62412	723.51	723.51	0	1-Hr	ALL	1st	YES
505100	4857200	24.137	724.91	724.91	0	1-Hr	ALL	1st	YES
505200	4857200	22.21732	723.16	726.1	0	1-Hr	ALL	1st	YES
505300	4857200	21.33053	718.88	726.92	0	1-Hr	ALL	1st	YES
505400	4857200	19.46002	716.82	736.79	0	1-Hr	ALL	1st	YES
502600	4857300	35.58338	689.84	689.84	0	1-Hr	ALL	1st	YES
502700	4857300	36.11117	689.89	689.89	0	1-Hr	ALL	1st	YES
502800	4857300	42.71164	691.65	691.65	0	1-Hr	ALL	1st	YES
502900	4857300	45.31362	692.11	692.11	0	1-Hr	ALL	1st	YES
503000	4857300	50.80671	692.63	692.63	0	1-Hr	ALL	1st	YES
503100	4857300	52.01863	693.25	693.25	0	1-Hr	ALL	1st	YES
503200	4857300	46.9808	693.91	693.91	0	1-Hr	ALL	1st	YES
503300	4857300	51.75005	695.81	695.81	0	1-Hr	ALL	1st	YES
503400	4857300	55.82924	697.07	697.07	0	1-Hr	ALL	1st	YES
503500	4857300	58.21661	698.02	698.02	0	1-Hr	ALL	1st	YES
503600	4857300	54.24851	697.35	697.35	0	1-Hr	ALL	1st	YES
503700	4857300	58.11906	697.25	697.25	0	1-Hr	ALL	1st	YES
503800	4857300	59.89962	699.48	699.48	0	1-Hr	ALL	1st	YES
503900	4857300	55.31134	701.79	701.79	0	1-Hr	ALL	1st	YES
504000	4857300	62.2654	702.37	702.37	0	1-Hr	ALL	1st	YES
504100	4857300	61.63814	704.05	704.05	0	1-Hr	ALL	1st	YES
504200	4857300	66.12542	703.64	703.64	0	1-Hr	ALL	1st	YES
504300	4857300	67.03134	706.27	706.27	0	1-Hr	ALL	1st	YES
504400	4857300	51.33079	707.87	726.87	0	1-Hr	ALL	1st	YES
504500	4857300	40.61229	715.3	727.34	0	1-Hr	ALL	1st	YES
504600	4857300	29.04316	726.72	726.72	0	1-Hr	ALL	1st	YES
504700	4857300	29.45823	727.56	727.56	0	1-Hr	ALL	1st	YES
504800	4857300	29.25918	726.17	726.17	0	1-Hr	ALL	1st	YES
504900	4857300	38.89411	713.67	727.41	0	1-Hr	ALL	1st	YES
505000	4857300	40.60347	712.14	732.89	0	1-Hr	ALL	1st	YES
505100	4857300	33.44998	713.52	733.06	0	1-Hr	ALL	1st	YES
505200	4857300	27.42071	713.31	733.18	0	1-Hr	ALL	1st	YES
505300	4857300	20.52815	719.48	727.5	0	1-Hr	ALL	1st	YES
505400	4857300	16.01891	724.41	726.7	0	1-Hr	ALL	1st	YES
502600	4857400	39.99055	691.08	691.08	0	1-Hr	ALL	1st	YES
502700	4857400	42.28375	690.89	690.89	0	1-Hr	ALL	1st	YES
502800	4857400	44.71149	691.37	691.37	0	1-Hr	ALL	1st	YES
502900	4857400	43.86145	692.04	692.04	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503000	4857400	50.49228	692.82	692.82	0	1-Hr	ALL	1st	YES
503100	4857400	54.96616	693.46	693.46	0	1-Hr	ALL	1st	YES
503200	4857400	60.5575	694.06	694.06	0	1-Hr	ALL	1st	YES
503300	4857400	58.98876	696.09	696.09	0	1-Hr	ALL	1st	YES
503400	4857400	56.59196	697.09	697.09	0	1-Hr	ALL	1st	YES
503500	4857400	60.71319	697.09	697.09	0	1-Hr	ALL	1st	YES
503600	4857400	62.68446	696.7	696.7	0	1-Hr	ALL	1st	YES
503700	4857400	61.14317	697.06	697.06	0	1-Hr	ALL	1st	YES
503800	4857400	55.65166	699.95	699.95	0	1-Hr	ALL	1st	YES
503900	4857400	58.39975	700.95	700.95	0	1-Hr	ALL	1st	YES
504000	4857400	68.7278	701.52	701.52	0	1-Hr	ALL	1st	YES
504100	4857400	70.48677	702.06	702.06	0	1-Hr	ALL	1st	YES
504200	4857400	77.34581	701.96	701.96	0	1-Hr	ALL	1st	YES
504300	4857400	84.00394	702.44	702.44	0	1-Hr	ALL	1st	YES
504400	4857400	68.33028	703.29	727.1	0	1-Hr	ALL	1st	YES
504500	4857400	49.12978	710.89	727.19	0	1-Hr	ALL	1st	YES
504600	4857400	39.16903	720.45	726.34	0	1-Hr	ALL	1st	YES
504700	4857400	32.73819	727.29	727.29	0	1-Hr	ALL	1st	YES
504800	4857400	32.21492	727.45	727.45	0	1-Hr	ALL	1st	YES
504900	4857400	30.7806	724.34	726.27	0	1-Hr	ALL	1st	YES
505000	4857400	24.62426	722.16	732.75	0	1-Hr	ALL	1st	YES
505100	4857400	23.17749	722.89	732.99	0	1-Hr	ALL	1st	YES
505200	4857400	17.70827	727.7	732.56	0	1-Hr	ALL	1st	YES
505300	4857400	18.08585	727.68	727.68	0	1-Hr	ALL	1st	YES
505400	4857400	17.27392	728.99	728.99	0	1-Hr	ALL	1st	YES
502600	4857500	39.41228	691.35	691.35	0	1-Hr	ALL	1st	YES
502700	4857500	41.97806	691.82	691.82	0	1-Hr	ALL	1st	YES
502800	4857500	46.55882	691.43	691.43	0	1-Hr	ALL	1st	YES
502900	4857500	52.61241	692.42	692.42	0	1-Hr	ALL	1st	YES
503000	4857500	53.87858	692.81	692.81	0	1-Hr	ALL	1st	YES
503100	4857500	52.59744	693.47	693.47	0	1-Hr	ALL	1st	YES
503200	4857500	58.61866	694.06	694.06	0	1-Hr	ALL	1st	YES
503300	4857500	65.92507	694.88	694.88	0	1-Hr	ALL	1st	YES
503400	4857500	70.76217	696	696	0	1-Hr	ALL	1st	YES
503500	4857500	61.81806	695.79	695.79	0	1-Hr	ALL	1st	YES
503600	4857500	65.45682	695.79	695.79	0	1-Hr	ALL	1st	YES
503700	4857500	66.8738	696.14	696.14	0	1-Hr	ALL	1st	YES
503800	4857500	70.66721	697.09	697.09	0	1-Hr	ALL	1st	YES
503900	4857500	67.7032	698.3	698.3	0	1-Hr	ALL	1st	YES
504000	4857500	77.48133	698.32	698.32	0	1-Hr	ALL	1st	YES
504100	4857500	83.42667	699.94	699.94	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504200	4857500	88.45576	700.44	701.55	0	1-Hr	ALL	1st	YES
504300	4857500	87.08212	702.02	702.02	0	1-Hr	ALL	1st	YES
504400	4857500	85.68177	702.12	702.12	0	1-Hr	ALL	1st	YES
504500	4857500	69.08159	707.48	726.7	0	1-Hr	ALL	1st	YES
504600	4857500	45.8749	716.69	726.67	0	1-Hr	ALL	1st	YES
504700	4857500	38.03564	723.93	726.47	0	1-Hr	ALL	1st	YES
504800	4857500	28.68645	727.62	727.62	0	1-Hr	ALL	1st	YES
504900	4857500	27.75817	726.31	726.31	0	1-Hr	ALL	1st	YES
505000	4857500	23.20747	730.76	730.76	0	1-Hr	ALL	1st	YES
505100	4857500	22.65876	732.28	732.28	0	1-Hr	ALL	1st	YES
505200	4857500	20.54199	733.2	733.2	0	1-Hr	ALL	1st	YES
505300	4857500	17.46966	732.51	732.51	0	1-Hr	ALL	1st	YES
505400	4857500	14.53514	733.11	733.11	0	1-Hr	ALL	1st	YES
502600	4857600	42.01935	691.36	691.36	0	1-Hr	ALL	1st	YES
502700	4857600	43.25797	691.98	691.98	0	1-Hr	ALL	1st	YES
502800	4857600	48.03699	692.24	692.24	0	1-Hr	ALL	1st	YES
502900	4857600	50.81682	692.61	692.61	0	1-Hr	ALL	1st	YES
503000	4857600	53.25381	692.69	692.69	0	1-Hr	ALL	1st	YES
503100	4857600	60.32838	693.15	693.15	0	1-Hr	ALL	1st	YES
503200	4857600	64.09762	693.74	693.74	0	1-Hr	ALL	1st	YES
503300	4857600	63.92694	694.35	694.35	0	1-Hr	ALL	1st	YES
503400	4857600	67.46138	694.84	694.84	0	1-Hr	ALL	1st	YES
503500	4857600	76.43625	694.67	694.67	0	1-Hr	ALL	1st	YES
503600	4857600	68.60551	694.98	694.98	0	1-Hr	ALL	1st	YES
503700	4857600	65.97845	695.17	695.17	0	1-Hr	ALL	1st	YES
503800	4857600	71.60673	695.48	695.48	0	1-Hr	ALL	1st	YES
503900	4857600	79.93175	695.98	695.98	0	1-Hr	ALL	1st	YES
504000	4857600	86.1783	696.98	696.98	0	1-Hr	ALL	1st	YES
504100	4857600	105.8366	697.42	697.42	0	1-Hr	ALL	1st	YES
504200	4857600	126.7647	695.86	695.86	0	1-Hr	ALL	1st	YES
504300	4857600	112.4292	699.72	699.72	0	1-Hr	ALL	1st	YES
504400	4857600	109.8745	702.01	702.01	0	1-Hr	ALL	1st	YES
504500	4857600	94.26462	705.69	705.69	0	1-Hr	ALL	1st	YES
504600	4857600	54.56787	710.54	726.25	0	1-Hr	ALL	1st	YES
504700	4857600	40.23385	717.75	726.66	0	1-Hr	ALL	1st	YES
504800	4857600	34.41851	726.8	726.8	0	1-Hr	ALL	1st	YES
504900	4857600	31.36699	728.7	728.7	0	1-Hr	ALL	1st	YES
505000	4857600	25.62817	730.92	730.92	0	1-Hr	ALL	1st	YES
505100	4857600	19.6757	733.06	733.06	0	1-Hr	ALL	1st	YES
505200	4857600	16.49155	734.27	734.27	0	1-Hr	ALL	1st	YES
505300	4857600	12.93048	736.48	736.48	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505400	4857600	12.65652	735.68	735.68	0	1-Hr	ALL	1st	YES
502600	4857700	42.38818	691.74	691.74	0	1-Hr	ALL	1st	YES
502700	4857700	47.82859	691.81	691.81	0	1-Hr	ALL	1st	YES
502800	4857700	53.34645	692.21	692.21	0	1-Hr	ALL	1st	YES
502900	4857700	58.80733	692.37	692.37	0	1-Hr	ALL	1st	YES
503000	4857700	61.44774	691.94	691.94	0	1-Hr	ALL	1st	YES
503100	4857700	61.88457	692.55	692.55	0	1-Hr	ALL	1st	YES
503200	4857700	62.46695	692.9	692.9	0	1-Hr	ALL	1st	YES
503300	4857700	64.815	693.22	693.22	0	1-Hr	ALL	1st	YES
503400	4857700	77.573	693.27	693.27	0	1-Hr	ALL	1st	YES
503500	4857700	78.10647	693.57	693.57	0	1-Hr	ALL	1st	YES
504500	4857700	86.08383	703.89	703.89	0	1-Hr	ALL	1st	YES
504600	4857700	75.32176	707.54	707.54	0	1-Hr	ALL	1st	YES
504700	4857700	48.79627	712.79	726.8	0	1-Hr	ALL	1st	YES
504800	4857700	35.14172	719.46	726.85	0	1-Hr	ALL	1st	YES
504900	4857700	28.84527	725.07	725.07	0	1-Hr	ALL	1st	YES
505000	4857700	25.66919	729.53	729.53	0	1-Hr	ALL	1st	YES
505100	4857700	22.1117	733.13	733.13	0	1-Hr	ALL	1st	YES
505200	4857700	19.36615	734.31	734.31	0	1-Hr	ALL	1st	YES
505300	4857700	16.15577	736.82	736.82	0	1-Hr	ALL	1st	YES
505400	4857700	14.1129	734.59	738.73	0	1-Hr	ALL	1st	YES
502600	4857800	42.74962	691.17	691.17	0	1-Hr	ALL	1st	YES
502700	4857800	46.73929	691.64	691.64	0	1-Hr	ALL	1st	YES
502800	4857800	52.07126	692.02	692.02	0	1-Hr	ALL	1st	YES
502900	4857800	55.44633	689.98	689.98	0	1-Hr	ALL	1st	YES
503000	4857800	59.23422	691.03	691.03	0	1-Hr	ALL	1st	YES
503100	4857800	61.77286	692.16	692.16	0	1-Hr	ALL	1st	YES
503200	4857800	68.50443	691.79	691.79	0	1-Hr	ALL	1st	YES
503300	4857800	76.14252	690.68	690.68	0	1-Hr	ALL	1st	YES
503400	4857800	82.86897	691.4	691.4	0	1-Hr	ALL	1st	YES
503500	4857800	85.09991	692.43	692.43	0	1-Hr	ALL	1st	YES
504500	4857800	98.83906	702.37	702.37	0	1-Hr	ALL	1st	YES
504600	4857800	82.40518	704.3	704.3	0	1-Hr	ALL	1st	YES
504700	4857800	60.22392	708.71	708.71	0	1-Hr	ALL	1st	YES
504800	4857800	44.74452	713.07	713.07	0	1-Hr	ALL	1st	YES
504900	4857800	32.40613	718.98	718.98	0	1-Hr	ALL	1st	YES
505000	4857800	23.45703	727.64	727.64	0	1-Hr	ALL	1st	YES
505100	4857800	18.1951	732.87	732.87	0	1-Hr	ALL	1st	YES
505200	4857800	15.66018	733.61	733.61	0	1-Hr	ALL	1st	YES
505300	4857800	13.55153	733.58	733.58	0	1-Hr	ALL	1st	YES
505400	4857800	12.3053	732.53	732.53	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502600	4857900	44.63814	691.07	691.07	0	1-Hr	ALL	1st	YES
502700	4857900	48.3046	691.56	691.56	0	1-Hr	ALL	1st	YES
502800	4857900	51.92327	691.67	691.67	0	1-Hr	ALL	1st	YES
502900	4857900	54.63135	690.4	690.4	0	1-Hr	ALL	1st	YES
503000	4857900	58.73733	690.25	690.25	0	1-Hr	ALL	1st	YES
503100	4857900	64.82457	691.37	691.37	0	1-Hr	ALL	1st	YES
503200	4857900	68.87971	689.67	689.67	0	1-Hr	ALL	1st	YES
503300	4857900	75.00469	689.56	689.56	0	1-Hr	ALL	1st	YES
503400	4857900	85.8277	692.02	692.02	0	1-Hr	ALL	1st	YES
503500	4857900	93.29636	692.1	692.1	0	1-Hr	ALL	1st	YES
504500	4857900	91.03721	700.12	700.12	0	1-Hr	ALL	1st	YES
504600	4857900	72.96551	703.73	703.73	0	1-Hr	ALL	1st	YES
504700	4857900	58.6918	706.86	706.86	0	1-Hr	ALL	1st	YES
504800	4857900	45.9578	710.56	710.56	0	1-Hr	ALL	1st	YES
504900	4857900	33.17276	715.16	732.49	0	1-Hr	ALL	1st	YES
505000	4857900	24.81517	722.42	732.49	0	1-Hr	ALL	1st	YES
505100	4857900	19.1316	731.1	731.1	0	1-Hr	ALL	1st	YES
505200	4857900	17.01916	730.38	730.38	0	1-Hr	ALL	1st	YES
505300	4857900	15.41734	729.24	729.24	0	1-Hr	ALL	1st	YES
505400	4857900	12.70896	731.88	731.88	0	1-Hr	ALL	1st	YES
502600	4858000	46.53343	690.7	690.7	0	1-Hr	ALL	1st	YES
502700	4858000	51.35986	691.73	691.73	0	1-Hr	ALL	1st	YES
502800	4858000	55.52479	691.21	691.21	0	1-Hr	ALL	1st	YES
502900	4858000	60.98105	691.28	691.28	0	1-Hr	ALL	1st	YES
503000	4858000	58.06119	685.33	685.33	0	1-Hr	ALL	1st	YES
503100	4858000	67.70874	688.84	688.84	0	1-Hr	ALL	1st	YES
503200	4858000	77.70186	690.25	690.25	0	1-Hr	ALL	1st	YES
503300	4858000	85.3552	691.4	691.4	0	1-Hr	ALL	1st	YES
503400	4858000	95.0557	693.06	693.06	0	1-Hr	ALL	1st	YES
503500	4858000	101.8492	692.67	692.67	0	1-Hr	ALL	1st	YES
504500	4858000	95.95024	697.09	697.09	0	1-Hr	ALL	1st	YES
504600	4858000	75.52511	701.76	701.76	0	1-Hr	ALL	1st	YES
504700	4858000	62.98601	704.31	704.31	0	1-Hr	ALL	1st	YES
504800	4858000	50.95374	707.3	707.3	0	1-Hr	ALL	1st	YES
504900	4858000	40.26872	712.31	712.31	0	1-Hr	ALL	1st	YES
505000	4858000	30.6876	718.09	718.09	0	1-Hr	ALL	1st	YES
505100	4858000	23.91073	724.15	724.15	0	1-Hr	ALL	1st	YES
505200	4858000	22.31884	721.51	723.01	0	1-Hr	ALL	1st	YES
505300	4858000	16.74679	730.36	730.36	0	1-Hr	ALL	1st	YES
505400	4858000	14.33644	733.08	733.08	0	1-Hr	ALL	1st	YES
502600	4858100	46.43864	689.79	689.79	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502700	4858100	50.57586	690.56	690.56	0	1-Hr	ALL	1st	YES
502800	4858100	52.15289	689.01	689.29	0	1-Hr	ALL	1st	YES
502900	4858100	49.69275	683.78	690.82	0	1-Hr	ALL	1st	YES
503000	4858100	59.50372	687.72	687.72	0	1-Hr	ALL	1st	YES
503100	4858100	74.16221	692.23	692.23	0	1-Hr	ALL	1st	YES
503200	4858100	85.92017	692.32	692.32	0	1-Hr	ALL	1st	YES
503300	4858100	104.0238	692.37	692.37	0	1-Hr	ALL	1st	YES
503400	4858100	125.2377	692.54	692.54	0	1-Hr	ALL	1st	YES
503500	4858100	125.9912	691.85	691.85	0	1-Hr	ALL	1st	YES
504500	4858100	94.32535	696.08	696.08	0	1-Hr	ALL	1st	YES
504600	4858100	86.25668	697.67	697.67	0	1-Hr	ALL	1st	YES
504700	4858100	73.69463	700.66	700.66	0	1-Hr	ALL	1st	YES
504800	4858100	61.58663	704.13	704.13	0	1-Hr	ALL	1st	YES
504900	4858100	51.68323	707.6	707.6	0	1-Hr	ALL	1st	YES
505000	4858100	38.61155	711.44	716.34	0	1-Hr	ALL	1st	YES
505100	4858100	28.93989	714.45	723.82	0	1-Hr	ALL	1st	YES
505200	4858100	27.21583	713.9	733.31	0	1-Hr	ALL	1st	YES
505300	4858100	20.45703	723.03	732.84	0	1-Hr	ALL	1st	YES
505400	4858100	18.69725	726.45	726.45	0	1-Hr	ALL	1st	YES
502600	4858200	43.80529	688.6	688.6	0	1-Hr	ALL	1st	YES
502700	4858200	48.65744	688.49	688.49	0	1-Hr	ALL	1st	YES
502800	4858200	48.7009	682.88	682.88	0	1-Hr	ALL	1st	YES
502900	4858200	65.99624	690.29	690.29	0	1-Hr	ALL	1st	YES
503000	4858200	77.79697	692.04	692.04	0	1-Hr	ALL	1st	YES
503100	4858200	86.56638	691.73	691.73	0	1-Hr	ALL	1st	YES
503200	4858200	88.47724	691.82	691.82	0	1-Hr	ALL	1st	YES
503300	4858200	98.90798	691.47	691.47	0	1-Hr	ALL	1st	YES
503400	4858200	102.1904	691.2	691.2	0	1-Hr	ALL	1st	YES
503500	4858200	103.1935	690.42	690.42	0	1-Hr	ALL	1st	YES
504500	4858200	71.30577	700.77	700.77	0	1-Hr	ALL	1st	YES
504600	4858200	79.4215	699.04	699.04	0	1-Hr	ALL	1st	YES
504700	4858200	75.80529	698.92	698.92	0	1-Hr	ALL	1st	YES
504800	4858200	72.00654	700.3	700.3	0	1-Hr	ALL	1st	YES
504900	4858200	65.02626	701.77	701.77	0	1-Hr	ALL	1st	YES
505000	4858200	57.63239	702.04	723.82	0	1-Hr	ALL	1st	YES
505100	4858200	49.04194	704.31	726.61	0	1-Hr	ALL	1st	YES
505200	4858200	40.97225	706.74	733.31	0	1-Hr	ALL	1st	YES
505300	4858200	32.17888	710.39	733.36	0	1-Hr	ALL	1st	YES
505400	4858200	23.16864	715.52	729.99	0	1-Hr	ALL	1st	YES
502600	4858300	46.33639	687	687	0	1-Hr	ALL	1st	YES
502700	4858300	46.6562	680.95	680.95	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502800	4858300	51.22434	683.51	690.82	0	1-Hr	ALL	1st	YES
502900	4858300	62.96999	691.19	691.19	0	1-Hr	ALL	1st	YES
503000	4858300	70.26193	690.93	690.93	0	1-Hr	ALL	1st	YES
503100	4858300	75.92508	689.69	689.69	0	1-Hr	ALL	1st	YES
503200	4858300	84.21863	691.56	691.56	0	1-Hr	ALL	1st	YES
503300	4858300	83.52364	690.18	690.18	0	1-Hr	ALL	1st	YES
503400	4858300	84.18769	690.68	690.68	0	1-Hr	ALL	1st	YES
503500	4858300	83.28653	683.98	690.52	0	1-Hr	ALL	1st	YES
503600	4858300	85.3791	688.34	689.69	0	1-Hr	ALL	1st	YES
503700	4858300	94.45079	690.62	690.62	0	1-Hr	ALL	1st	YES
503800	4858300	109.9246	692.21	692.21	0	1-Hr	ALL	1st	YES
503900	4858300	99.48849	693.58	693.58	0	1-Hr	ALL	1st	YES
504000	4858300	91.43879	695.17	695.17	0	1-Hr	ALL	1st	YES
504100	4858300	84.84973	696.89	696.89	0	1-Hr	ALL	1st	YES
504200	4858300	78.9156	696.38	696.38	0	1-Hr	ALL	1st	YES
504300	4858300	71.45225	698.65	698.65	0	1-Hr	ALL	1st	YES
504400	4858300	69.56781	701.53	701.53	0	1-Hr	ALL	1st	YES
504500	4858300	58.04622	703.53	703.53	0	1-Hr	ALL	1st	YES
504600	4858300	62.19359	702.77	702.77	0	1-Hr	ALL	1st	YES
504700	4858300	62.55032	702.05	702.05	0	1-Hr	ALL	1st	YES
504800	4858300	64.40361	702.13	702.13	0	1-Hr	ALL	1st	YES
504900	4858300	61.31886	702.13	702.13	0	1-Hr	ALL	1st	YES
505000	4858300	52.88058	704.15	704.15	0	1-Hr	ALL	1st	YES
505100	4858300	38.43163	708.83	727.82	0	1-Hr	ALL	1st	YES
505200	4858300	24.37578	717.87	726.89	0	1-Hr	ALL	1st	YES
505300	4858300	22.28633	719.54	733.12	0	1-Hr	ALL	1st	YES
505400	4858300	17.5802	722.08	727.03	0	1-Hr	ALL	1st	YES
502600	4858400	40.80752	684.68	684.68	0	1-Hr	ALL	1st	YES
502700	4858400	45.31746	684.72	684.72	0	1-Hr	ALL	1st	YES
502800	4858400	53.47982	688.52	688.52	0	1-Hr	ALL	1st	YES
502900	4858400	61.0695	691.24	691.24	0	1-Hr	ALL	1st	YES
503000	4858400	59.02706	684.75	689.56	0	1-Hr	ALL	1st	YES
503100	4858400	70.01294	690.67	690.67	0	1-Hr	ALL	1st	YES
503200	4858400	70.31199	691.4	691.4	0	1-Hr	ALL	1st	YES
503300	4858400	66.85013	683.56	691.2	0	1-Hr	ALL	1st	YES
503400	4858400	69.50318	683.63	690.43	0	1-Hr	ALL	1st	YES
503500	4858400	66.80299	681.51	681.51	0	1-Hr	ALL	1st	YES
503600	4858400	77.85883	687.38	690.04	0	1-Hr	ALL	1st	YES
503700	4858400	92.02463	690.38	690.38	0	1-Hr	ALL	1st	YES
503800	4858400	90.46468	690.8	690.8	0	1-Hr	ALL	1st	YES
503900	4858400	96.8849	691.05	691.05	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4858400	81.35607	692.27	692.27	0	1-Hr	ALL	1st	YES
504100	4858400	72.25536	694.02	694.02	0	1-Hr	ALL	1st	YES
504200	4858400	67.79859	693.7	693.7	0	1-Hr	ALL	1st	YES
504300	4858400	70.36737	696.6	696.6	0	1-Hr	ALL	1st	YES
504400	4858400	64.29511	700.22	700.22	0	1-Hr	ALL	1st	YES
504500	4858400	65.29729	701.72	701.72	0	1-Hr	ALL	1st	YES
504600	4858400	58.08364	701.54	701.54	0	1-Hr	ALL	1st	YES
504700	4858400	58.20785	701.77	701.77	0	1-Hr	ALL	1st	YES
504800	4858400	59.60242	700.9	700.9	0	1-Hr	ALL	1st	YES
504900	4858400	54.61984	701.98	701.98	0	1-Hr	ALL	1st	YES
505000	4858400	49.61127	705.76	705.76	0	1-Hr	ALL	1st	YES
505100	4858400	32.52053	712.72	727.19	0	1-Hr	ALL	1st	YES
505200	4858400	22.68388	722.54	727.53	0	1-Hr	ALL	1st	YES
505300	4858400	17.8734	729.96	732.38	0	1-Hr	ALL	1st	YES
505400	4858400	15.2186	729.3	729.3	0	1-Hr	ALL	1st	YES
502600	4858500	36.46199	676.4	686.21	0	1-Hr	ALL	1st	YES
502700	4858500	43.29485	684.2	685.69	0	1-Hr	ALL	1st	YES
502800	4858500	50.1949	687.13	687.13	0	1-Hr	ALL	1st	YES
502900	4858500	51.2085	686.5	686.5	0	1-Hr	ALL	1st	YES
503000	4858500	52.31568	685.33	691.59	0	1-Hr	ALL	1st	YES
503100	4858500	61.07679	690.54	690.54	0	1-Hr	ALL	1st	YES
503200	4858500	59.09315	684.36	691.61	0	1-Hr	ALL	1st	YES
503300	4858500	56.49331	679.48	690.82	0	1-Hr	ALL	1st	YES
503400	4858500	63.93787	685.25	685.25	0	1-Hr	ALL	1st	YES
503500	4858500	69.69895	686.96	686.96	0	1-Hr	ALL	1st	YES
503600	4858500	67.00737	683.17	690.26	0	1-Hr	ALL	1st	YES
503700	4858500	76.9899	684.79	684.79	0	1-Hr	ALL	1st	YES
503800	4858500	69.24984	685.7	690.27	0	1-Hr	ALL	1st	YES
503900	4858500	71.92169	686.29	691.81	0	1-Hr	ALL	1st	YES
504000	4858500	66.52507	687.5	687.5	0	1-Hr	ALL	1st	YES
504100	4858500	63.02898	688.72	688.72	0	1-Hr	ALL	1st	YES
504200	4858500	61.79025	689.46	689.46	0	1-Hr	ALL	1st	YES
504300	4858500	64.47912	695.97	695.97	0	1-Hr	ALL	1st	YES
504400	4858500	57.99475	694.92	694.92	0	1-Hr	ALL	1st	YES
504500	4858500	60.50669	696.92	696.92	0	1-Hr	ALL	1st	YES
504600	4858500	65.21281	697.16	697.16	0	1-Hr	ALL	1st	YES
504700	4858500	55.43331	699.76	699.76	0	1-Hr	ALL	1st	YES
504800	4858500	54.78864	701.66	701.66	0	1-Hr	ALL	1st	YES
504900	4858500	48.8031	703.71	703.71	0	1-Hr	ALL	1st	YES
505000	4858500	43.37876	707.54	707.54	0	1-Hr	ALL	1st	YES
505100	4858500	31.07718	712.18	726.85	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505200	4858500	25.46666	720.16	730.97	0	1-Hr	ALL	1st	YES
505300	4858500	18.55651	729	729	0	1-Hr	ALL	1st	YES
505400	4858500	15.19875	731.03	731.03	0	1-Hr	ALL	1st	YES
502600	4858600	39.28264	684.34	685.21	0	1-Hr	ALL	1st	YES
502700	4858600	37.05172	676.24	686.21	0	1-Hr	ALL	1st	YES
502800	4858600	38.34857	675.29	692.21	0	1-Hr	ALL	1st	YES
502900	4858600	40.09347	676.01	691.02	0	1-Hr	ALL	1st	YES
503000	4858600	44.84379	676.56	691.59	0	1-Hr	ALL	1st	YES
503100	4858600	48.63018	677.56	691.59	0	1-Hr	ALL	1st	YES
503200	4858600	51.23453	681.34	690.28	0	1-Hr	ALL	1st	YES
503300	4858600	56.49851	684.79	690.73	0	1-Hr	ALL	1st	YES
503400	4858600	57.39392	683.47	691.45	0	1-Hr	ALL	1st	YES
503500	4858600	67.43063	691.15	691.15	0	1-Hr	ALL	1st	YES
503600	4858600	73.30275	690.09	690.09	0	1-Hr	ALL	1st	YES
503700	4858600	71.37672	690.05	690.05	0	1-Hr	ALL	1st	YES
503800	4858600	67.98782	689.38	689.78	0	1-Hr	ALL	1st	YES
503900	4858600	65.65896	689.32	689.67	0	1-Hr	ALL	1st	YES
504000	4858600	62.22122	688.74	688.74	0	1-Hr	ALL	1st	YES
504100	4858600	62.73472	692.32	692.32	0	1-Hr	ALL	1st	YES
504200	4858600	62.11812	696.54	696.54	0	1-Hr	ALL	1st	YES
504300	4858600	55.54101	694.86	694.86	0	1-Hr	ALL	1st	YES
504400	4858600	59.68514	695.64	695.64	0	1-Hr	ALL	1st	YES
504500	4858600	54.9034	697.3	697.3	0	1-Hr	ALL	1st	YES
504600	4858600	54.72135	698.35	698.35	0	1-Hr	ALL	1st	YES
504700	4858600	58.97396	699.82	699.82	0	1-Hr	ALL	1st	YES
504800	4858600	51.06161	701.3	701.3	0	1-Hr	ALL	1st	YES
504900	4858600	45.86808	703.95	703.95	0	1-Hr	ALL	1st	YES
505000	4858600	38.687	707.21	707.21	0	1-Hr	ALL	1st	YES
505100	4858600	30.9982	711.77	711.77	0	1-Hr	ALL	1st	YES
505200	4858600	23.64097	718.17	732.8	0	1-Hr	ALL	1st	YES
505300	4858600	17.29422	729.27	729.27	0	1-Hr	ALL	1st	YES
505400	4858600	15.02009	735.01	735.01	0	1-Hr	ALL	1st	YES
502600	4858700	32.16077	673.62	691.45	0	1-Hr	ALL	1st	YES
502700	4858700	34.04277	677.35	692.21	0	1-Hr	ALL	1st	YES
502800	4858700	41.81945	686.12	691.99	0	1-Hr	ALL	1st	YES
502900	4858700	47.59831	689.2	690.07	0	1-Hr	ALL	1st	YES
503000	4858700	53.68291	690.07	690.07	0	1-Hr	ALL	1st	YES
503100	4858700	46.92142	683.93	690.91	0	1-Hr	ALL	1st	YES
503200	4858700	56.91753	690.6	690.6	0	1-Hr	ALL	1st	YES
503300	4858700	57.01595	688.8	689.64	0	1-Hr	ALL	1st	YES
503400	4858700	56.67331	689.45	689.45	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503500	4858700	61.04108	687.22	689.49	0	1-Hr	ALL	1st	YES
503600	4858700	71.91709	690.9	690.9	0	1-Hr	ALL	1st	YES
503700	4858700	64.93411	692.1	692.1	0	1-Hr	ALL	1st	YES
503800	4858700	70.71263	692.21	692.21	0	1-Hr	ALL	1st	YES
503900	4858700	60.4892	692.1	692.1	0	1-Hr	ALL	1st	YES
504000	4858700	59.12487	691.41	691.41	0	1-Hr	ALL	1st	YES
504100	4858700	58.91754	690.74	697.23	0	1-Hr	ALL	1st	YES
504200	4858700	57.16324	695.96	695.96	0	1-Hr	ALL	1st	YES
504300	4858700	58.46292	696.13	696.13	0	1-Hr	ALL	1st	YES
504400	4858700	56.21996	696.76	696.76	0	1-Hr	ALL	1st	YES
504500	4858700	55.75143	700.42	700.42	0	1-Hr	ALL	1st	YES
504600	4858700	48.20134	702.01	702.01	0	1-Hr	ALL	1st	YES
504700	4858700	49.37428	701.57	701.57	0	1-Hr	ALL	1st	YES
504800	4858700	50.43631	702.8	702.8	0	1-Hr	ALL	1st	YES
504900	4858700	44.28503	704.15	704.15	0	1-Hr	ALL	1st	YES
505000	4858700	31.39157	709.05	709.05	0	1-Hr	ALL	1st	YES
505100	4858700	27.75866	713.26	713.26	0	1-Hr	ALL	1st	YES
505200	4858700	19.6937	721.49	726.55	0	1-Hr	ALL	1st	YES
505300	4858700	15.83508	729.74	729.74	0	1-Hr	ALL	1st	YES
505400	4858700	12.52129	737.59	737.59	0	1-Hr	ALL	1st	YES
502600	4858800	33.89083	684.84	690.96	0	1-Hr	ALL	1st	YES
502700	4858800	35.02484	680.61	692.21	0	1-Hr	ALL	1st	YES
502800	4858800	43.89389	690.87	690.87	0	1-Hr	ALL	1st	YES
502900	4858800	47.71824	691.01	691.01	0	1-Hr	ALL	1st	YES
503000	4858800	48.7595	690.9	690.9	0	1-Hr	ALL	1st	YES
503100	4858800	48.85627	688.45	688.45	0	1-Hr	ALL	1st	YES
503200	4858800	52.37893	690.63	690.63	0	1-Hr	ALL	1st	YES
503300	4858800	51.11259	689.78	689.78	0	1-Hr	ALL	1st	YES
503400	4858800	60.44255	691.9	691.9	0	1-Hr	ALL	1st	YES
503500	4858800	58.99298	689.01	689.01	0	1-Hr	ALL	1st	YES
503600	4858800	59.69582	694.09	694.09	0	1-Hr	ALL	1st	YES
503700	4858800	55.9299	694.6	694.6	0	1-Hr	ALL	1st	YES
503800	4858800	61.75781	694.69	694.69	0	1-Hr	ALL	1st	YES
503900	4858800	54.87606	694.76	694.76	0	1-Hr	ALL	1st	YES
504000	4858800	53.5916	694.4	694.4	0	1-Hr	ALL	1st	YES
504100	4858800	55.88933	693.98	693.98	0	1-Hr	ALL	1st	YES
504200	4858800	48.66108	693.51	693.51	0	1-Hr	ALL	1st	YES
504300	4858800	55.31785	695.79	695.79	0	1-Hr	ALL	1st	YES
504400	4858800	51.12254	695.86	695.86	0	1-Hr	ALL	1st	YES
504500	4858800	51.64741	699.63	699.63	0	1-Hr	ALL	1st	YES
504600	4858800	49.49123	701.03	701.03	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504700	4858800	42.34325	702.86	702.86	0	1-Hr	ALL	1st	YES
504800	4858800	38.65812	705.89	705.89	0	1-Hr	ALL	1st	YES
504900	4858800	39.48421	706.69	706.69	0	1-Hr	ALL	1st	YES
505000	4858800	34.27254	708.22	726.52	0	1-Hr	ALL	1st	YES
505100	4858800	25.46156	710.77	727.7	0	1-Hr	ALL	1st	YES
505200	4858800	20.62171	719.37	721.27	0	1-Hr	ALL	1st	YES
505300	4858800	16.24556	726.6	726.6	0	1-Hr	ALL	1st	YES
505400	4858800	13.22689	729.89	729.89	0	1-Hr	ALL	1st	YES
502600	4858900	37.81674	690.93	690.93	0	1-Hr	ALL	1st	YES
502700	4858900	41.74639	691.66	691.66	0	1-Hr	ALL	1st	YES
502800	4858900	35.77726	683.62	691.13	0	1-Hr	ALL	1st	YES
502900	4858900	42.89167	690.58	690.58	0	1-Hr	ALL	1st	YES
503000	4858900	46.0418	691.46	691.46	0	1-Hr	ALL	1st	YES
503100	4858900	46.58121	690.04	690.04	0	1-Hr	ALL	1st	YES
503200	4858900	48.38507	692.31	692.31	0	1-Hr	ALL	1st	YES
503300	4858900	52.85141	692.62	692.62	0	1-Hr	ALL	1st	YES
503400	4858900	58.05572	696.3	696.3	0	1-Hr	ALL	1st	YES
503500	4858900	56.65137	689.56	696.67	0	1-Hr	ALL	1st	YES
503600	4858900	57.82454	696.08	696.08	0	1-Hr	ALL	1st	YES
503700	4858900	55.23894	696.1	696.1	0	1-Hr	ALL	1st	YES
503800	4858900	56.99827	696.23	696.23	0	1-Hr	ALL	1st	YES
503900	4858900	53.68901	696.42	696.42	0	1-Hr	ALL	1st	YES
504000	4858900	51.68008	696.22	696.22	0	1-Hr	ALL	1st	YES
504100	4858900	56.73099	696.71	696.71	0	1-Hr	ALL	1st	YES
504200	4858900	45.52576	693.67	693.67	0	1-Hr	ALL	1st	YES
504300	4858900	50.38614	695.52	695.52	0	1-Hr	ALL	1st	YES
504400	4858900	47.19505	696.96	696.96	0	1-Hr	ALL	1st	YES
504500	4858900	49.05555	698.59	698.59	0	1-Hr	ALL	1st	YES
504600	4858900	48.29168	701.39	701.39	0	1-Hr	ALL	1st	YES
504700	4858900	42.32324	702.82	702.82	0	1-Hr	ALL	1st	YES
504800	4858900	31.6747	707.71	707.71	0	1-Hr	ALL	1st	YES
504900	4858900	29.80015	709.78	709.78	0	1-Hr	ALL	1st	YES
505000	4858900	25.52131	713.71	713.71	0	1-Hr	ALL	1st	YES
505100	4858900	18.8102	721.43	726.97	0	1-Hr	ALL	1st	YES
505200	4858900	15.99225	721.65	728.17	0	1-Hr	ALL	1st	YES
505300	4858900	17.83348	718.79	727.99	0	1-Hr	ALL	1st	YES
505400	4858900	15.32177	723.66	723.66	0	1-Hr	ALL	1st	YES
502600	4859000	38.20463	691.6	691.6	0	1-Hr	ALL	1st	YES
502700	4859000	39.07511	693.01	693.01	0	1-Hr	ALL	1st	YES
502800	4859000	36.74776	688.62	689.53	0	1-Hr	ALL	1st	YES
502900	4859000	40.7517	690.66	690.66	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503000	4859000	43.31527	692.11	692.11	0	1-Hr	ALL	1st	YES
503100	4859000	43.8122	692.21	692.21	0	1-Hr	ALL	1st	YES
503200	4859000	45.8308	694.2	694.2	0	1-Hr	ALL	1st	YES
503300	4859000	52.23948	695.97	695.97	0	1-Hr	ALL	1st	YES
503400	4859000	55.55931	696.46	696.46	0	1-Hr	ALL	1st	YES
503500	4859000	46.96173	689.73	696.88	0	1-Hr	ALL	1st	YES
503600	4859000	46.80713	692.67	696.28	0	1-Hr	ALL	1st	YES
503700	4859000	52.80664	694.86	694.86	0	1-Hr	ALL	1st	YES
503800	4859000	50.55505	695.86	695.86	0	1-Hr	ALL	1st	YES
503900	4859000	49.4871	697.26	697.26	0	1-Hr	ALL	1st	YES
504000	4859000	48.01942	697.53	697.53	0	1-Hr	ALL	1st	YES
504100	4859000	53.06914	697.97	697.97	0	1-Hr	ALL	1st	YES
504200	4859000	46.15179	696.27	696.27	0	1-Hr	ALL	1st	YES
504300	4859000	46.08595	696.6	696.6	0	1-Hr	ALL	1st	YES
504400	4859000	46.57904	695.68	695.68	0	1-Hr	ALL	1st	YES
504500	4859000	44.91303	699.26	699.26	0	1-Hr	ALL	1st	YES
504600	4859000	45.34245	702.06	702.06	0	1-Hr	ALL	1st	YES
504700	4859000	39.30597	705.11	705.11	0	1-Hr	ALL	1st	YES
504800	4859000	30.99546	707.95	707.95	0	1-Hr	ALL	1st	YES
504900	4859000	24.98369	711.51	711.51	0	1-Hr	ALL	1st	YES
505000	4859000	21.12558	715.52	715.52	0	1-Hr	ALL	1st	YES
505100	4859000	16.67723	722.85	726.33	0	1-Hr	ALL	1st	YES
505200	4859000	14.00516	728.6	728.6	0	1-Hr	ALL	1st	YES
505300	4859000	12.015	728.37	728.37	0	1-Hr	ALL	1st	YES
505400	4859000	12.91597	726.2	726.2	0	1-Hr	ALL	1st	YES
502600	4859100	35.58501	692.07	692.07	0	1-Hr	ALL	1st	YES
502700	4859100	36.04434	692.37	692.37	0	1-Hr	ALL	1st	YES
502800	4859100	36.03995	689.76	689.76	0	1-Hr	ALL	1st	YES
502900	4859100	38.48223	691.06	691.06	0	1-Hr	ALL	1st	YES
503000	4859100	40.15396	692.3	692.3	0	1-Hr	ALL	1st	YES
503100	4859100	40.04906	693.27	693.27	0	1-Hr	ALL	1st	YES
503200	4859100	45.87975	694.61	694.61	0	1-Hr	ALL	1st	YES
503300	4859100	47.54794	695.86	695.86	0	1-Hr	ALL	1st	YES
503400	4859100	50.42802	696.56	696.56	0	1-Hr	ALL	1st	YES
503500	4859100	49.45174	696.79	696.79	0	1-Hr	ALL	1st	YES
503600	4859100	44.25738	695.94	695.94	0	1-Hr	ALL	1st	YES
503700	4859100	52.41023	695.92	695.92	0	1-Hr	ALL	1st	YES
503800	4859100	47.64588	696.32	696.32	0	1-Hr	ALL	1st	YES
503900	4859100	45.55436	697.56	697.56	0	1-Hr	ALL	1st	YES
504000	4859100	44.91071	698.32	698.32	0	1-Hr	ALL	1st	YES
504100	4859100	49.40087	699.19	699.19	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504200	4859100	44.11806	697.58	697.58	0	1-Hr	ALL	1st	YES
504300	4859100	42.4614	699.49	699.49	0	1-Hr	ALL	1st	YES
504400	4859100	44.53386	701.19	701.19	0	1-Hr	ALL	1st	YES
504500	4859100	42.39052	701.62	701.62	0	1-Hr	ALL	1st	YES
504600	4859100	42.20936	702.76	702.76	0	1-Hr	ALL	1st	YES
504700	4859100	35.07173	706.4	706.4	0	1-Hr	ALL	1st	YES
504800	4859100	27.51314	709.56	709.56	0	1-Hr	ALL	1st	YES
504900	4859100	22.06836	713.77	713.77	0	1-Hr	ALL	1st	YES
505000	4859100	18.15049	717.57	717.57	0	1-Hr	ALL	1st	YES
505100	4859100	15.36765	723.54	723.54	0	1-Hr	ALL	1st	YES
505200	4859100	12.30988	730.13	730.13	0	1-Hr	ALL	1st	YES
505300	4859100	10.50693	733.15	733.15	0	1-Hr	ALL	1st	YES
505400	4859100	9.38907	731.68	731.68	0	1-Hr	ALL	1st	YES
502000	4852500	9.74194	704.22	720.56	0	1-Hr	ALL	1st	YES
503000	4852500	8.55614	713.19	721.11	0	1-Hr	ALL	1st	YES
502000	4853000	9.02072	697.35	697.35	0	1-Hr	ALL	1st	YES
502500	4853000	9.73935	700.48	700.48	0	1-Hr	ALL	1st	YES
503000	4853000	8.17221	717.12	717.12	0	1-Hr	ALL	1st	YES
502000	4853500	11.57383	697.86	697.86	0	1-Hr	ALL	1st	YES
502500	4853500	12.26326	700.95	700.95	0	1-Hr	ALL	1st	YES
503000	4853500	10.42401	709.59	714.24	0	1-Hr	ALL	1st	YES
503500	4853500	8.25808	715	715	0	1-Hr	ALL	1st	YES
501500	4854000	8.04681	691.36	691.36	0	1-Hr	ALL	1st	YES
502000	4854000	11.57568	696.33	696.33	0	1-Hr	ALL	1st	YES
502500	4854000	12.40445	697.17	697.17	0	1-Hr	ALL	1st	YES
503000	4854000	13.20612	704.36	704.36	0	1-Hr	ALL	1st	YES
501000	4854500	8.49455	688.56	688.56	0	1-Hr	ALL	1st	YES
501500	4854500	7.87133	691.35	691.35	0	1-Hr	ALL	1st	YES
502000	4854500	10.12097	693.56	693.56	0	1-Hr	ALL	1st	YES
502500	4854500	14.26515	697.35	697.35	0	1-Hr	ALL	1st	YES
503000	4854500	13.92398	704.17	704.17	0	1-Hr	ALL	1st	YES
503500	4854500	13.97962	708.1	721.25	0	1-Hr	ALL	1st	YES
501000	4855000	9.12714	685.55	685.55	0	1-Hr	ALL	1st	YES
501500	4855000	10.84151	690.37	690.37	0	1-Hr	ALL	1st	YES
502000	4855000	9.81288	690.52	690.52	0	1-Hr	ALL	1st	YES
502500	4855000	14.02201	695.15	695.15	0	1-Hr	ALL	1st	YES
503000	4855000	17.81683	698.82	698.82	0	1-Hr	ALL	1st	YES
503500	4855000	18.23155	703.74	703.74	0	1-Hr	ALL	1st	YES
504000	4855000	9.40881	716.34	716.34	0	1-Hr	ALL	1st	YES
504500	4855000	8.30261	719.7	726.92	0	1-Hr	ALL	1st	YES
501000	4855500	9.63356	683.71	683.71	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
501500	4855500	12.2104	691.57	691.57	0	1-Hr	ALL	1st	YES
502000	4855500	13.81193	690.75	690.75	0	1-Hr	ALL	1st	YES
502500	4855500	14.93426	693.94	693.94	0	1-Hr	ALL	1st	YES
503000	4855500	18.80402	695.46	695.46	0	1-Hr	ALL	1st	YES
503500	4855500	18.60096	693.55	693.55	0	1-Hr	ALL	1st	YES
504000	4855500	13.0312	712.58	712.58	0	1-Hr	ALL	1st	YES
504500	4855500	9.07706	719.59	719.59	0	1-Hr	ALL	1st	YES
500500	4856000	8.55653	665.3	665.3	0	1-Hr	ALL	1st	YES
501000	4856000	9.29165	665.36	684.56	0	1-Hr	ALL	1st	YES
501500	4856000	12.71131	690.12	690.12	0	1-Hr	ALL	1st	YES
502000	4856000	15.7449	691.06	691.06	0	1-Hr	ALL	1st	YES
502500	4856000	17.53875	689.75	689.75	0	1-Hr	ALL	1st	YES
503000	4856000	18.89466	688.16	688.16	0	1-Hr	ALL	1st	YES
503500	4856000	21.59288	693.31	693.31	0	1-Hr	ALL	1st	YES
504000	4856000	26.47764	699.13	702.53	0	1-Hr	ALL	1st	YES
504500	4856000	22.21445	708.98	727.19	0	1-Hr	ALL	1st	YES
505000	4856000	9.67341	726.89	726.89	0	1-Hr	ALL	1st	YES
500000	4856500	7.94649	663.97	663.97	0	1-Hr	ALL	1st	YES
500500	4856500	9.15812	663.9	663.9	0	1-Hr	ALL	1st	YES
501000	4856500	9.94186	662.46	662.46	0	1-Hr	ALL	1st	YES
501500	4856500	15.14911	688.89	688.89	0	1-Hr	ALL	1st	YES
502000	4856500	17.93644	691.46	691.46	0	1-Hr	ALL	1st	YES
502500	4856500	21.93092	689.07	689.07	0	1-Hr	ALL	1st	YES
503000	4856500	23.53765	693.14	693.14	0	1-Hr	ALL	1st	YES
503500	4856500	35.10344	698.14	698.14	0	1-Hr	ALL	1st	YES
504000	4856500	35.50785	697.06	697.06	0	1-Hr	ALL	1st	YES
504500	4856500	24.292	710.46	710.46	0	1-Hr	ALL	1st	YES
499000	4857000	8.225	665.83	665.83	0	1-Hr	ALL	1st	YES
499500	4857000	9.76575	662.2	662.2	0	1-Hr	ALL	1st	YES
500000	4857000	10.0318	664.05	664.05	0	1-Hr	ALL	1st	YES
500500	4857000	9.38727	665.84	665.84	0	1-Hr	ALL	1st	YES
501000	4857000	11.11642	663.59	663.59	0	1-Hr	ALL	1st	YES
501500	4857000	14.23301	672.2	696.39	0	1-Hr	ALL	1st	YES
502000	4857000	21.18612	690.02	690.02	0	1-Hr	ALL	1st	YES
502500	4857000	30.04383	690.56	690.56	0	1-Hr	ALL	1st	YES
505500	4857000	11.27256	735.94	735.94	0	1-Hr	ALL	1st	YES
499500	4857500	7.56295	665.46	665.46	0	1-Hr	ALL	1st	YES
500000	4857500	8.69444	665.07	665.07	0	1-Hr	ALL	1st	YES
500500	4857500	9.89514	665.39	678.58	0	1-Hr	ALL	1st	YES
501000	4857500	11.38338	664.76	664.76	0	1-Hr	ALL	1st	YES
501500	4857500	15.5441	665.29	698.45	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502000	4857500	27.85725	690.78	690.78	0	1-Hr	ALL	1st	YES
502500	4857500	37.26985	691.15	691.15	0	1-Hr	ALL	1st	YES
505500	4857500	12.34302	733.32	733.32	0	1-Hr	ALL	1st	YES
499000	4858000	8.07268	667.77	667.77	0	1-Hr	ALL	1st	YES
499500	4858000	8.939	665.82	665.82	0	1-Hr	ALL	1st	YES
500000	4858000	10.05768	664.47	664.47	0	1-Hr	ALL	1st	YES
500500	4858000	11.70027	665.17	665.17	0	1-Hr	ALL	1st	YES
501000	4858000	13.94334	663.81	663.81	0	1-Hr	ALL	1st	YES
501500	4858000	20.54526	686.62	690.3	0	1-Hr	ALL	1st	YES
502000	4858000	27.05132	686.5	688.7	0	1-Hr	ALL	1st	YES
502500	4858000	42.83948	690.72	690.72	0	1-Hr	ALL	1st	YES
505500	4858000	13.38263	732.24	732.24	0	1-Hr	ALL	1st	YES
499000	4858500	7.99715	668.11	668.11	0	1-Hr	ALL	1st	YES
499500	4858500	8.62667	666.58	666.58	0	1-Hr	ALL	1st	YES
500000	4858500	9.29525	664.09	664.09	0	1-Hr	ALL	1st	YES
500500	4858500	11.04921	663.96	663.96	0	1-Hr	ALL	1st	YES
501000	4858500	13.57702	663.35	663.35	0	1-Hr	ALL	1st	YES
501500	4858500	17.78875	662.66	662.66	0	1-Hr	ALL	1st	YES
502000	4858500	29.78483	687.84	687.84	0	1-Hr	ALL	1st	YES
502500	4858500	37.62364	685.4	685.4	0	1-Hr	ALL	1st	YES
505500	4858500	14.01621	730.2	730.2	0	1-Hr	ALL	1st	YES
507000	4858500	12.77472	713.86	757.38	0	1-Hr	ALL	1st	YES
499000	4859000	7.61806	668.5	668.5	0	1-Hr	ALL	1st	YES
499500	4859000	9.42085	666.2	666.2	0	1-Hr	ALL	1st	YES
500000	4859000	11.11917	665.02	665.02	0	1-Hr	ALL	1st	YES
500500	4859000	12.33051	663.88	663.88	0	1-Hr	ALL	1st	YES
501000	4859000	13.42977	663.67	663.67	0	1-Hr	ALL	1st	YES
501500	4859000	16.64592	660.86	660.86	0	1-Hr	ALL	1st	YES
502000	4859000	20.52536	663.66	691.72	0	1-Hr	ALL	1st	YES
502500	4859000	35.16369	692.61	692.61	0	1-Hr	ALL	1st	YES
505500	4859000	11.54524	731.09	745.15	0	1-Hr	ALL	1st	YES
506500	4859000	18.85671	709.26	761.45	0	1-Hr	ALL	1st	YES
498500	4859500	7.92339	667.71	667.71	0	1-Hr	ALL	1st	YES
499000	4859500	7.80959	665.91	665.91	0	1-Hr	ALL	1st	YES
499500	4859500	8.2717	665.8	665.8	0	1-Hr	ALL	1st	YES
500000	4859500	9.38546	665.15	665.15	0	1-Hr	ALL	1st	YES
500500	4859500	11.10041	662.46	662.46	0	1-Hr	ALL	1st	YES
501000	4859500	12.69211	663.46	663.46	0	1-Hr	ALL	1st	YES
501500	4859500	15.18782	660.81	660.81	0	1-Hr	ALL	1st	YES
502000	4859500	18.22889	660.96	691.91	0	1-Hr	ALL	1st	YES
502500	4859500	27.77812	692.81	692.81	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503000	4859500	35.41074	695.97	695.97	0	1-Hr	ALL	1st	YES
503500	4859500	34.36716	696.53	696.53	0	1-Hr	ALL	1st	YES
504000	4859500	36.0074	701.66	701.66	0	1-Hr	ALL	1st	YES
504500	4859500	32.45687	704.36	704.36	0	1-Hr	ALL	1st	YES
505000	4859500	28.90058	705.86	705.86	0	1-Hr	ALL	1st	YES
505500	4859500	27.61703	702.23	752.11	0	1-Hr	ALL	1st	YES
499500	4860000	8.33309	665.6	665.6	0	1-Hr	ALL	1st	YES
500000	4860000	9.29517	664.66	664.66	0	1-Hr	ALL	1st	YES
500500	4860000	10.72636	662.79	662.79	0	1-Hr	ALL	1st	YES
501000	4860000	12.45225	663.01	663.01	0	1-Hr	ALL	1st	YES
501500	4860000	13.55658	662.86	662.86	0	1-Hr	ALL	1st	YES
502000	4860000	14.67773	660.86	694.44	0	1-Hr	ALL	1st	YES
502500	4860000	22.4398	692.09	692.09	0	1-Hr	ALL	1st	YES
503000	4860000	26.50279	696.7	696.7	0	1-Hr	ALL	1st	YES
503500	4860000	27.04597	696.1	696.1	0	1-Hr	ALL	1st	YES
504000	4860000	21.68091	685.64	702.47	0	1-Hr	ALL	1st	YES
504500	4860000	16.46425	712.28	715.07	0	1-Hr	ALL	1st	YES
505000	4860000	9.49313	722.94	726.64	0	1-Hr	ALL	1st	YES
499500	4860500	7.95298	664.6	664.6	0	1-Hr	ALL	1st	YES
500000	4860500	9.37194	663.77	663.77	0	1-Hr	ALL	1st	YES
500500	4860500	10.92378	662.99	662.99	0	1-Hr	ALL	1st	YES
501000	4860500	10.68702	662.36	662.36	0	1-Hr	ALL	1st	YES
501500	4860500	11.40202	662.36	662.36	0	1-Hr	ALL	1st	YES
502000	4860500	12.62352	667.95	694.44	0	1-Hr	ALL	1st	YES
502500	4860500	18.94285	692.23	692.23	0	1-Hr	ALL	1st	YES
503000	4860500	14.14566	674.43	690.67	0	1-Hr	ALL	1st	YES
503500	4860500	21.85229	697.94	697.94	0	1-Hr	ALL	1st	YES
504000	4860500	24.21095	699	699	0	1-Hr	ALL	1st	YES
504500	4860500	24.34524	700.68	700.68	0	1-Hr	ALL	1st	YES
499000	4861000	7.5673	668.31	668.31	0	1-Hr	ALL	1st	YES
499500	4861000	7.99662	666.4	666.4	0	1-Hr	ALL	1st	YES
500000	4861000	8.53044	662.38	662.38	0	1-Hr	ALL	1st	YES
500500	4861000	8.64119	662.96	662.96	0	1-Hr	ALL	1st	YES
501000	4861000	9.25051	663.39	663.39	0	1-Hr	ALL	1st	YES
501500	4861000	10.599	661.18	661.18	0	1-Hr	ALL	1st	YES
502000	4861000	11.04264	659.26	693.14	0	1-Hr	ALL	1st	YES
502500	4861000	11.14768	669.5	692.99	0	1-Hr	ALL	1st	YES
503000	4861000	15.38984	692.05	692.05	0	1-Hr	ALL	1st	YES
503500	4861000	18.72447	697.29	697.29	0	1-Hr	ALL	1st	YES
504000	4861000	20.73213	697.92	697.92	0	1-Hr	ALL	1st	YES
504500	4861000	18.92485	696.49	696.49	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
505000	4861000	7.68288	722.52	722.52	0	1-Hr	ALL	1st	YES
505500	4861000	9.35978	717.14	728.07	0	1-Hr	ALL	1st	YES
507000	4861000	12.2829	710.49	735.16	0	1-Hr	ALL	1st	YES
499000	4861500	7.85285	669.2	669.2	0	1-Hr	ALL	1st	YES
500500	4861500	7.66883	661.18	661.18	0	1-Hr	ALL	1st	YES
501000	4861500	8.84577	662.76	662.76	0	1-Hr	ALL	1st	YES
501500	4861500	9.41396	662.36	662.36	0	1-Hr	ALL	1st	YES
502000	4861500	9.82663	662.24	662.24	0	1-Hr	ALL	1st	YES
502500	4861500	9.46822	659.17	691.86	0	1-Hr	ALL	1st	YES
503000	4861500	13.05334	692.01	692.01	0	1-Hr	ALL	1st	YES
503500	4861500	13.55086	693.03	693.03	0	1-Hr	ALL	1st	YES
504000	4861500	15.01381	693.54	693.54	0	1-Hr	ALL	1st	YES
504500	4861500	17.23969	696.74	696.74	0	1-Hr	ALL	1st	YES
505000	4861500	15.56165	706.47	720.58	0	1-Hr	ALL	1st	YES
501000	4862000	8.01161	662.16	662.16	0	1-Hr	ALL	1st	YES
501500	4862000	8.1694	661.05	661.05	0	1-Hr	ALL	1st	YES
502000	4862000	8.04203	659.05	659.05	0	1-Hr	ALL	1st	YES
502500	4862000	8.06783	660.86	660.86	0	1-Hr	ALL	1st	YES
503000	4862000	7.82434	659.26	692.86	0	1-Hr	ALL	1st	YES
503500	4862000	11.17347	692.08	692.08	0	1-Hr	ALL	1st	YES
504000	4862000	12.01446	689.56	689.56	0	1-Hr	ALL	1st	YES
504500	4862000	11.30332	690.94	690.94	0	1-Hr	ALL	1st	YES
505000	4862000	13.67809	698.75	698.75	0	1-Hr	ALL	1st	YES
505500	4862000	9.73348	689.23	723.88	0	1-Hr	ALL	1st	YES
506000	4862000	10.20392	690.6	734.44	0	1-Hr	ALL	1st	YES
506500	4862000	14.53411	699.89	725.88	0	1-Hr	ALL	1st	YES
507000	4862000	10.89773	701.37	733.88	0	1-Hr	ALL	1st	YES
507500	4862000	10.36834	708.23	708.23	0	1-Hr	ALL	1st	YES
502500	4862500	7.71416	659.27	659.27	0	1-Hr	ALL	1st	YES
503500	4862500	7.61932	672.09	690.68	0	1-Hr	ALL	1st	YES
504000	4862500	9.12631	676.7	692.96	0	1-Hr	ALL	1st	YES
504500	4862500	8.4016	678.31	678.31	0	1-Hr	ALL	1st	YES
505000	4862500	8.41865	685.05	702.91	0	1-Hr	ALL	1st	YES
505500	4862500	10.76493	713.34	727.49	0	1-Hr	ALL	1st	YES
506000	4862500	7.55013	720.1	720.1	0	1-Hr	ALL	1st	YES
508000	4862500	8.06052	714.47	741.72	0	1-Hr	ALL	1st	YES
503500	4863000	8.42624	692.41	692.41	0	1-Hr	ALL	1st	YES
504000	4863000	10.59372	693.17	693.17	0	1-Hr	ALL	1st	YES
504500	4863000	9.72878	693.66	693.66	0	1-Hr	ALL	1st	YES
505000	4863000	8.86656	693.22	693.22	0	1-Hr	ALL	1st	YES
505500	4863000	10.71378	711.86	711.86	0	1-Hr	ALL	1st	YES

Scenario 2, 1-Hour NO2

SIL derived NAAQS Receptor
Hotspot NAAQS Receptor

X	Y	AVERAGE	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4863500	8.46151	687.75	687.75	0	1-Hr	ALL	1st	YES
504500	4863500	7.98568	690.92	690.92	0	1-Hr	ALL	1st	YES
505000	4863500	10.43041	697.29	697.29	0	1-Hr	ALL	1st	YES
505500	4863500	8.3432	715.04	736.39	0	1-Hr	ALL	1st	YES
506500	4863500	11.22854	709.1	721.94	0	1-Hr	ALL	1st	YES
504000.5	4858044		691.45	691.45	0	1-Hr	ALL	1st	YES
503990.5	4858044		691.42	691.42	0	1-Hr	ALL	1st	YES
504000.5	4858039		691.35	691.35	0	1-Hr	ALL	1st	YES
503990.5	4858039		691.31	691.31	0	1-Hr	ALL	1st	YES
504195	4857770		696.29	696.29	0	1-Hr	ALL	1st	YES
504195	4857775		696.25	696.25	0	1-Hr	ALL	1st	YES
504205	4857770		696.36	696.36	0	1-Hr	ALL	1st	YES
504205	4857775		696.31	696.31	0	1-Hr	ALL	1st	YES
504198.9	4857771		696.33	696.33	0	1-Hr	ALL	1st	YES
504188.9	4857771		696.24	696.24	0	1-Hr	ALL	1st	YES
504198.9	4857776		696.27	696.27	0	1-Hr	ALL	1st	YES
504188.9	4857776		696.21	696.21	0	1-Hr	ALL	1st	YES
503967	4858045		691.4	691.4	0	1-Hr	ALL	1st	YES
503967	4858040		691.23	691.23	0	1-Hr	ALL	1st	YES
503977	4858045		691.44	691.44	0	1-Hr	ALL	1st	YES
503977	4858040		691.26	691.26	0	1-Hr	ALL	1st	YES
504213.7	4857771		696.32	696.32	0	1-Hr	ALL	1st	YES
504213.7	4857776		696.29	696.29	0	1-Hr	ALL	1st	YES
504223.7	4857771		696.19	696.19	0	1-Hr	ALL	1st	YES
504223.7	4857776		696.13	696.13	0	1-Hr	ALL	1st	YES
504220	4857770		696.25	696.25	0	1-Hr	ALL	1st	YES
504220	4857775		696.2	696.2	0	1-Hr	ALL	1st	YES
504230	4857770		696.07	696.07	0	1-Hr	ALL	1st	YES
504230	4857775		696.02	696.02	0	1-Hr	ALL	1st	YES
504170	4857770		696.14	696.14	0	1-Hr	ALL	1st	YES
504170	4857775		696.08	696.08	0	1-Hr	ALL	1st	YES
504180	4857770		696.21	696.21	0	1-Hr	ALL	1st	YES
504180	4857775		696.16	696.16	0	1-Hr	ALL	1st	YES
504164	4857771		696.07	696.07	0	1-Hr	ALL	1st	YES
504164	4857776		696.02	696.02	0	1-Hr	ALL	1st	YES
504174	4857771		696.16	696.16	0	1-Hr	ALL	1st	YES
504174	4857776		696.11	696.11	0	1-Hr	ALL	1st	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503995.5	4857777	15.29496	693.51	693.51	0	ANNUAL	ALL	5	2013	YES
503972	4858040	14.28283	691.23	691.23	0	ANNUAL	ALL	5	2015	YES
503948.4	4858041	13.62438	691.13	691.13	0	ANNUAL	ALL	5	2011	YES
503995.5	4858039	13.40988	691.33	691.33	0	ANNUAL	ALL	5	2015	YES
503924.8	4858043	13.2336	690.7	690.7	0	ANNUAL	ALL	5	2011	YES
504000	4857775	13.21895	693.53	693.53	0	ANNUAL	ALL	5	2013	YES
503925	4858050	12.90117	690.9	690.9	0	ANNUAL	ALL	5	2011	YES
503950	4858050	12.72591	691.46	691.46	0	ANNUAL	ALL	5	2015	YES
503901.3	4858044	11.98794	690.21	690.21	0	ANNUAL	ALL	5	2011	YES
503900	4858050	11.89969	690.35	690.35	0	ANNUAL	ALL	5	2011	YES
503975	4858050	11.67794	691.62	691.62	0	ANNUAL	ALL	5	2015	YES
504066.2	4858035	11.15821	691.92	691.92	0	ANNUAL	ALL	5	2013	YES
503900	4858075	11.11805	691.28	691.28	0	ANNUAL	ALL	5	2011	YES
504019.1	4858037	10.9898	691.46	691.46	0	ANNUAL	ALL	5	2013	YES
503925	4858075	10.78495	691.87	691.87	0	ANNUAL	ALL	5	2011	YES
503878.2	4858049	10.70807	690	690	0	ANNUAL	ALL	5	2011	YES
503875	4858050	10.57213	690.02	690.02	0	ANNUAL	ALL	5	2011	YES
503875	4858075	10.53274	690.81	690.81	0	ANNUAL	ALL	5	2011	YES
504042.7	4858036	10.42059	691.68	691.68	0	ANNUAL	ALL	5	2013	YES
504000	4858050	10.2173	691.59	691.59	0	ANNUAL	ALL	5	2015	YES
504089.8	4858033	10.1932	692.23	692.23	0	ANNUAL	ALL	5	2013	YES
503950	4858075	9.87733	692.31	692.31	0	ANNUAL	ALL	5	2015	YES
503855	4858053	9.65355	689.85	689.85	0	ANNUAL	ALL	5	2011	YES
503850	4858075	9.64621	690.23	690.23	0	ANNUAL	ALL	5	2011	YES
503875	4858100	9.57961	691.54	691.54	0	ANNUAL	ALL	5	2011	YES
503850	4858100	9.33705	690.8	690.8	0	ANNUAL	ALL	5	2011	YES
503900	4858100	9.29536	692.24	692.24	0	ANNUAL	ALL	5	2015	YES
504025	4858050	9.11935	691.76	691.76	0	ANNUAL	ALL	5	2013	YES
504020.3	4857776	9.07659	693.31	693.31	0	ANNUAL	ALL	5	2013	YES
503975	4858075	8.85974	692.58	692.58	0	ANNUAL	ALL	5	2013	YES
503825	4858100	8.77	690.18	690.18	0	ANNUAL	ALL	5	2011	YES
503831.9	4858058	8.70913	689.7	689.7	0	ANNUAL	ALL	5	2011	YES
503925	4858100	8.6643	692.9	692.9	0	ANNUAL	ALL	5	2015	YES
504050	4858050	8.62584	692.06	692.06	0	ANNUAL	ALL	5	2013	YES
503825	4858075	8.62962	689.81	689.81	0	ANNUAL	ALL	5	2011	YES
504094.7	4857776	8.63525	693.35	693.35	0	ANNUAL	ALL	5	2013	YES
504100	4857775	8.56437	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
504025	4857775	8.53876	693.31	693.31	0	ANNUAL	ALL	5	2013	YES
504119.5	4857776	8.44262	694.76	694.76	0	ANNUAL	ALL	5	2013	YES
503850	4858125	8.39073	691.16	691.16	0	ANNUAL	ALL	5	2011	YES
503825	4858125	8.34299	690.55	690.55	0	ANNUAL	ALL	5	2011	YES
504125	4857775	8.28817	694.97	694.97	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503875	4858125	8.2151	692.03	692.03	0	ANNUAL	ALL	5	2015	YES
504091.4	4858051	8.15454	692.66	692.66	0	ANNUAL	ALL	5	2013	YES
504075	4858050	8.14041	692.4	692.4	0	ANNUAL	ALL	5	2013	YES
504075	4857775	8.03135	692.53	692.53	0	ANNUAL	ALL	5	2013	YES
503800	4858100	8.00823	689.68	689.68	0	ANNUAL	ALL	5	2011	YES
503808.8	4858063	7.98065	689.6	689.6	0	ANNUAL	ALL	5	2011	YES
503665	4858041	7.98307	690.57	690.57	0	ANNUAL	ALL	5	2012	YES
503800	4858125	7.95087	689.9	689.9	0	ANNUAL	ALL	5	2011	YES
504000	4858075	7.93102	692.58	692.58	0	ANNUAL	ALL	5	2013	YES
504069.9	4857776	7.91164	692.49	692.49	0	ANNUAL	ALL	5	2013	YES
503800	4858075	7.8408	689.54	689.54	0	ANNUAL	ALL	5	2011	YES
504144.3	4857776	7.75683	695.72	695.72	0	ANNUAL	ALL	5	2013	YES
503950	4858100	7.71409	693.43	693.43	0	ANNUAL	ALL	5	2015	YES
503900	4858125	7.70148	692.97	692.97	0	ANNUAL	ALL	5	2015	YES
504150	4857775	7.60828	695.87	695.87	0	ANNUAL	ALL	5	2013	YES
504169.1	4857776	7.51399	696.07	696.07	0	ANNUAL	ALL	5	2013	YES
503825	4858150	7.45355	690.51	690.51	0	ANNUAL	ALL	5	2015	YES
503850	4858150	7.41837	691.4	691.4	0	ANNUAL	ALL	5	2015	YES
504175	4857775	7.42656	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
503800	4858150	7.40739	689.79	689.79	0	ANNUAL	ALL	5	2011	YES
504045.1	4857776	7.39985	692.9	692.9	0	ANNUAL	ALL	5	2013	YES
503785.7	4858068	7.38252	689.38	689.38	0	ANNUAL	ALL	5	2011	YES
504050	4857775	7.39167	692.8	692.8	0	ANNUAL	ALL	5	2013	YES
504113.2	4858051	7.37519	692.97	692.97	0	ANNUAL	ALL	5	2013	YES
503775	4858125	7.35595	689.25	689.25	0	ANNUAL	ALL	5	2011	YES
504025	4858075	7.3206	692.56	692.56	0	ANNUAL	ALL	5	2013	YES
503775	4858100	7.30268	689.21	689.21	0	ANNUAL	ALL	5	2011	YES
504050	4857750	7.30867	693.23	693.23	0	ANNUAL	ALL	5	2013	YES
504025	4857750	7.28747	694.07	694.07	0	ANNUAL	ALL	5	2013	YES
503664.2	4858065	7.28071	690.29	690.29	0	ANNUAL	ALL	5	2011	YES
504193.9	4857776	7.25751	696.24	696.24	0	ANNUAL	ALL	5	2013	YES
503775	4858150	7.16773	689.49	689.49	0	ANNUAL	ALL	5	2011	YES
503775	4858075	7.1519	689.23	689.23	0	ANNUAL	ALL	5	2011	YES
504232.2	4857935	7.15263	693.48	693.48	0	ANNUAL	ALL	5	2013	YES
504200	4857775	7.14398	696.28	696.28	0	ANNUAL	ALL	5	2013	YES
503975	4858100	7.08752	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
504125	4857750	7.08646	694.51	694.51	0	ANNUAL	ALL	5	2013	YES
504075	4857750	7.05796	692.59	692.59	0	ANNUAL	ALL	5	2013	YES
503683	4858068	7.01391	690.35	690.35	0	ANNUAL	ALL	5	2011	YES
504100	4857750	7.02125	693.04	693.04	0	ANNUAL	ALL	5	2013	YES
503925	4858125	7.00628	693.89	693.89	0	ANNUAL	ALL	5	2015	YES
504050	4858075	6.97744	692.9	692.9	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503875	4858150	6.94223	692.4	692.4	0	ANNUAL	ALL	5	2015	YES
504218.7	4857776	6.87983	696.22	696.22	0	ANNUAL	ALL	5	2013	YES
503750	4858125	6.84718	688.95	688.95	0	ANNUAL	ALL	5	2011	YES
503762.6	4858072	6.84578	689.11	689.11	0	ANNUAL	ALL	5	2011	YES
503750	4858150	6.83802	689.26	689.26	0	ANNUAL	ALL	5	2011	YES
504225	4857775	6.76953	696.11	696.11	0	ANNUAL	ALL	5	2013	YES
503750	4858100	6.72331	688.79	688.79	0	ANNUAL	ALL	5	2011	YES
504150	4857750	6.70002	695.7	695.7	0	ANNUAL	ALL	5	2013	YES
503701.8	4858071	6.68387	689.71	689.71	0	ANNUAL	ALL	5	2011	YES
503775	4858175	6.67695	689.97	689.97	0	ANNUAL	ALL	5	2011	YES
503750	4858075	6.63179	688.95	688.95	0	ANNUAL	ALL	5	2011	YES
503750	4858175	6.62637	689.95	689.95	0	ANNUAL	ALL	5	2011	YES
503800	4858175	6.61999	689.83	689.83	0	ANNUAL	ALL	5	2015	YES
503825	4858175	6.58431	689.82	689.82	0	ANNUAL	ALL	5	2015	YES
504075	4858075	6.55812	693.15	693.15	0	ANNUAL	ALL	5	2013	YES
503700	4858075	6.5161	689.7	689.7	0	ANNUAL	ALL	5	2011	YES
503739.5	4858077	6.51112	688.87	688.87	0	ANNUAL	ALL	5	2011	YES
503675	4858075	6.50016	690.22	690.22	0	ANNUAL	ALL	5	2011	YES
503725	4858150	6.46701	688.98	688.98	0	ANNUAL	ALL	5	2011	YES
504135.1	4858051	6.45422	693.36	693.36	0	ANNUAL	ALL	5	2013	YES
503725	4858075	6.44991	688.91	688.91	0	ANNUAL	ALL	5	2011	YES
503720.6	4858074	6.44813	689	689	0	ANNUAL	ALL	5	2011	YES
504000	4858100	6.43972	693.81	693.81	0	ANNUAL	ALL	5	2013	YES
503650	4858050	6.4362	689.78	689.78	0	ANNUAL	ALL	5	2012	YES
503725	4858125	6.4242	688.8	688.8	0	ANNUAL	ALL	5	2011	YES
503725	4858175	6.41024	689.66	689.66	0	ANNUAL	ALL	5	2011	YES
504175	4857750	6.41034	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
503850	4858175	6.36848	690.9	690.9	0	ANNUAL	ALL	5	2015	YES
503900	4858150	6.3684	693.52	693.52	0	ANNUAL	ALL	5	2015	YES
503725	4858100	6.34663	688.77	688.77	0	ANNUAL	ALL	5	2011	YES
504243.5	4857776	6.34072	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
503650	4858075	6.2719	689.77	689.77	0	ANNUAL	ALL	5	2011	YES
503950	4858125	6.24515	694.59	694.59	0	ANNUAL	ALL	5	2015	YES
504250	4857775	6.21447	695.73	695.73	0	ANNUAL	ALL	5	2013	YES
504200	4857750	6.18341	696.31	696.31	0	ANNUAL	ALL	5	2013	YES
503750	4858200	6.10825	690.29	690.29	0	ANNUAL	ALL	5	2011	YES
503775	4858200	6.05986	690.57	690.57	0	ANNUAL	ALL	5	2015	YES
503725	4858200	6.05455	689.84	689.84	0	ANNUAL	ALL	5	2011	YES
504230.2	4857959	6.03798	693.33	693.33	0	ANNUAL	ALL	5	2013	YES
504025	4858100	6.01836	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
503800	4858200	6.01367	690.54	690.54	0	ANNUAL	ALL	5	2015	YES
503700	4858100	5.9971	689.13	689.13	0	ANNUAL	ALL	5	2011	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503700	4858150	5.98061	688.45	688.45	0	ANNUAL	ALL	5	2011	YES
503700	4858175	5.97364	688.71	688.71	0	ANNUAL	ALL	5	2011	YES
504100	4858075	5.94972	693.47	693.47	0	ANNUAL	ALL	5	2013	YES
504100	4857725	5.9612	692.68	692.68	0	ANNUAL	ALL	5	2013	YES
503700	4858125	5.94834	688.68	688.68	0	ANNUAL	ALL	5	2011	YES
504075	4857725	5.94794	693.4	693.4	0	ANNUAL	ALL	5	2013	YES
504125	4857725	5.92625	692.9	692.9	0	ANNUAL	ALL	5	2013	YES
503875	4858175	5.88022	692.53	692.53	0	ANNUAL	ALL	5	2015	YES
504268.3	4857775	5.86355	695.71	695.71	0	ANNUAL	ALL	5	2013	YES
503665.7	4858017	5.85669	690.77	690.77	0	ANNUAL	ALL	5	2012	YES
504150	4857725	5.86451	694.47	694.47	0	ANNUAL	ALL	5	2013	YES
503925	4858150	5.81825	694.6	694.6	0	ANNUAL	ALL	5	2015	YES
504248.9	4857936	5.81854	694.22	694.22	0	ANNUAL	ALL	5	2013	YES
503825	4858200	5.81284	690.66	690.66	0	ANNUAL	ALL	5	2015	YES
503700	4858200	5.80653	689.04	689.04	0	ANNUAL	ALL	5	2011	YES
504050	4858100	5.79639	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
503975	4858125	5.79215	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504225	4857750	5.76659	696.41	696.41	0	ANNUAL	ALL	5	2013	YES
503675	4858100	5.68612	689.78	689.78	0	ANNUAL	ALL	5	2011	YES
504275	4857775	5.68619	695.89	695.89	0	ANNUAL	ALL	5	2013	YES
504156.9	4858051	5.6567	693.74	693.74	0	ANNUAL	ALL	5	2013	YES
504050	4857725	5.56786	694.46	694.46	0	ANNUAL	ALL	5	2013	YES
504175	4857725	5.56731	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
504000	4857750	5.52003	694.46	694.46	0	ANNUAL	ALL	5	2013	YES
504250	4857750	5.51387	695.92	695.92	0	ANNUAL	ALL	5	2013	YES
504075	4858100	5.4863	694.01	694.01	0	ANNUAL	ALL	5	2013	YES
503675	4858125	5.48544	688.88	688.88	0	ANNUAL	ALL	5	2011	YES
503850	4858200	5.47945	691.33	691.33	0	ANNUAL	ALL	5	2015	YES
503675	4858150	5.42539	687.82	687.82	0	ANNUAL	ALL	5	2011	YES
503675	4858175	5.41865	687.35	687.35	0	ANNUAL	ALL	5	2011	YES
503900	4858175	5.41391	693.78	693.78	0	ANNUAL	ALL	5	2015	YES
503675	4858200	5.37517	687.49	687.49	0	ANNUAL	ALL	5	2011	YES
503650	4858100	5.3619	689.51	689.51	0	ANNUAL	ALL	5	2011	YES
503625	4858075	5.32418	689.19	689.19	0	ANNUAL	ALL	5	2012	YES
504000	4858125	5.30587	695.08	695.08	0	ANNUAL	ALL	5	2013	YES
504250	4857950	5.27577	693.91	693.91	0	ANNUAL	ALL	5	2013	YES
504125	4858075	5.26327	693.84	693.84	0	ANNUAL	ALL	5	2013	YES
504200	4857725	5.27764	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
504293.1	4857775	5.25329	696.89	696.89	0	ANNUAL	ALL	5	2013	YES
504275	4857750	5.18437	696.17	696.17	0	ANNUAL	ALL	5	2013	YES
504311.8	4857844	5.18632	695.83	695.83	0	ANNUAL	ALL	5	2013	YES
504313.2	4857819	5.15852	696.51	696.51	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503950	4858150	5.13672	695.46	695.46	0	ANNUAL	ALL	5	2015	YES
503950	4857775	5.14298	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504100	4858100	5.09773	694.1	694.1	0	ANNUAL	ALL	5	2013	YES
503875	4858200	5.08241	692.84	692.84	0	ANNUAL	ALL	5	2015	YES
503650	4858125	5.08235	688.7	688.7	0	ANNUAL	ALL	5	2011	YES
503945.9	4857777	5.08774	694.6	694.6	0	ANNUAL	ALL	5	2013	YES
504300	4857775	5.0825	697.29	697.29	0	ANNUAL	ALL	5	2013	YES
504265.6	4857936	5.05922	694.7	694.7	0	ANNUAL	ALL	5	2013	YES
503625	4858100	5.05097	688.79	688.79	0	ANNUAL	ALL	5	2011	YES
503970.7	4857777	5.057	694.45	694.45	0	ANNUAL	ALL	5	2013	YES
504225	4857725	5.01127	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
504310.3	4857868	5.01147	695.75	695.75	0	ANNUAL	ALL	5	2013	YES
504228.3	4857982	4.98019	693.41	693.41	0	ANNUAL	ALL	5	2013	YES
504125	4857700	4.98566	692.87	692.87	0	ANNUAL	ALL	5	2013	YES
504150	4857700	4.98258	693.07	693.07	0	ANNUAL	ALL	5	2013	YES
503925	4858175	4.96844	695.04	695.04	0	ANNUAL	ALL	5	2015	YES
504025	4858125	4.95081	695.15	695.15	0	ANNUAL	ALL	5	2013	YES
504025	4857725	4.95489	694.75	694.75	0	ANNUAL	ALL	5	2013	YES
504314.7	4857795	4.95604	697.39	697.39	0	ANNUAL	ALL	5	2013	YES
503650	4858150	4.93769	687.26	687.26	0	ANNUAL	ALL	5	2011	YES
503650	4858175	4.90907	686.25	686.25	0	ANNUAL	ALL	5	2011	YES
503650	4858200	4.9057	686.01	686.01	0	ANNUAL	ALL	5	2011	YES
503975	4857775	4.91654	694.33	694.33	0	ANNUAL	ALL	5	2013	YES
504100	4857700	4.87836	693.98	693.98	0	ANNUAL	ALL	5	2013	YES
504175	4857700	4.86502	694.87	694.87	0	ANNUAL	ALL	5	2013	YES
504050	4858125	4.83184	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504325	4857825	4.85406	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504178.8	4858051	4.83165	694.27	694.27	0	ANNUAL	ALL	5	2013	YES
504250	4857725	4.79843	696.61	696.61	0	ANNUAL	ALL	5	2013	YES
504325	4857850	4.78545	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504325	4857800	4.76398	697.33	697.33	0	ANNUAL	ALL	5	2013	YES
504300	4857750	4.73755	697.48	697.48	0	ANNUAL	ALL	5	2013	YES
503900	4858200	4.72605	694.01	694.01	0	ANNUAL	ALL	5	2015	YES
503975	4858150	4.72894	695.9	695.9	0	ANNUAL	ALL	5	2013	YES
504317.9	4857775	4.71676	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
504075	4858125	4.68539	694.78	694.78	0	ANNUAL	ALL	5	2013	YES
503625	4858125	4.66799	688.07	688.07	0	ANNUAL	ALL	5	2011	YES
504075	4857700	4.63073	694.85	694.85	0	ANNUAL	ALL	5	2013	YES
503600	4858100	4.62505	689.01	689.01	0	ANNUAL	ALL	5	2012	YES
504150	4858075	4.61949	694.19	694.19	0	ANNUAL	ALL	5	2013	YES
504125	4858100	4.61567	694.23	694.23	0	ANNUAL	ALL	5	2013	YES
504200	4857700	4.62065	695.72	695.72	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504308.9	4857892	4.62352	696.01	696.01	0	ANNUAL	ALL	5	2013	YES
503625	4858150	4.57937	687.01	687.01	0	ANNUAL	ALL	5	2011	YES
504275	4857725	4.58585	696.85	696.85	0	ANNUAL	ALL	5	2013	YES
504325	4857775	4.57459	698	698	0	ANNUAL	ALL	5	2013	YES
503650	4858025	4.52956	689.9	689.9	0	ANNUAL	ALL	5	2012	YES
503625	4858175	4.49798	685.41	685.41	0	ANNUAL	ALL	5	2011	YES
504325	4857875	4.49881	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
503625	4858200	4.47536	684.37	684.37	0	ANNUAL	ALL	5	2011	YES
504282.3	4857936	4.48216	695.22	695.22	0	ANNUAL	ALL	5	2013	YES
504100	4858125	4.44468	694.68	694.68	0	ANNUAL	ALL	5	2013	YES
503625	4858050	4.42949	689.62	689.62	0	ANNUAL	ALL	5	2012	YES
504225	4857700	4.40725	696.42	696.42	0	ANNUAL	ALL	5	2013	YES
504250	4857975	4.39894	693.76	693.76	0	ANNUAL	ALL	5	2013	YES
503600	4858125	4.39935	688.28	688.28	0	ANNUAL	ALL	5	2011	YES
503950	4858175	4.3977	695.92	695.92	0	ANNUAL	ALL	5	2013	YES
504275	4857950	4.37149	694.3	694.3	0	ANNUAL	ALL	5	2013	YES
504000	4858150	4.35181	696	696	0	ANNUAL	ALL	5	2013	YES
504300	4857725	4.32837	697.41	697.41	0	ANNUAL	ALL	5	2013	YES
503925	4858200	4.31367	695.21	695.21	0	ANNUAL	ALL	5	2015	YES
504325	4857750	4.31965	698.7	698.7	0	ANNUAL	ALL	5	2013	YES
504294.9	4857927	4.29221	695.78	695.78	0	ANNUAL	ALL	5	2013	YES
504226.4	4858005	4.28084	693.76	693.76	0	ANNUAL	ALL	5	2013	YES
503700	4858300	4.27059	690.62	690.62	0	ANNUAL	ALL	5	2015	YES
504350	4857800	4.26962	697.35	697.35	0	ANNUAL	ALL	5	2013	YES
503600	4858075	4.25956	689.63	689.63	0	ANNUAL	ALL	5	2012	YES
503600	4858150	4.25286	687.14	687.14	0	ANNUAL	ALL	5	2011	YES
504350	4857825	4.26161	696.79	696.79	0	ANNUAL	ALL	5	2013	YES
503925	4857775	4.24313	694.81	694.81	0	ANNUAL	ALL	5	2011	YES
504050	4857700	4.23709	695.27	695.27	0	ANNUAL	ALL	5	2013	YES
503600	4858175	4.20316	685.45	685.45	0	ANNUAL	ALL	5	2011	YES
503575	4858125	4.19758	689.25	689.25	0	ANNUAL	ALL	5	2012	YES
504300	4857925	4.20144	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504250	4857700	4.19449	697.11	697.11	0	ANNUAL	ALL	5	2013	YES
504150	4857675	4.18888	694.13	694.13	0	ANNUAL	ALL	5	2013	YES
503921.1	4857777	4.18524	694.81	694.81	0	ANNUAL	ALL	5	2014	YES
503600	4858200	4.16682	683.98	683.98	0	ANNUAL	ALL	5	2011	YES
504307.4	4857917	4.17749	695.99	695.99	0	ANNUAL	ALL	5	2013	YES
504350	4857775	4.15771	698	698	0	ANNUAL	ALL	5	2013	YES
504350	4857850	4.1533	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504025	4858150	4.13292	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
504125	4858125	4.12391	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504175	4857675	4.1312	695.09	695.09	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504150	4858100	4.09846	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
503975	4858175	4.09665	696.11	696.11	0	ANNUAL	ALL	5	2013	YES
503600	4858300	4.08356	688.34	689.69	0	ANNUAL	ALL	5	2011	YES
504325	4857900	4.08931	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
503575	4858150	4.07178	688.08	688.08	0	ANNUAL	ALL	5	2011	YES
504125	4857675	4.06964	694.83	694.83	0	ANNUAL	ALL	5	2013	YES
504000	4857725	4.05318	694.99	694.99	0	ANNUAL	ALL	5	2014	YES
504175	4858075	4.03704	694.67	694.67	0	ANNUAL	ALL	5	2013	YES
504275	4857700	4.03549	697.25	697.25	0	ANNUAL	ALL	5	2013	YES
503575	4858100	4.02436	689.81	689.81	0	ANNUAL	ALL	5	2012	YES
504050	4858150	4.00041	695.86	695.86	0	ANNUAL	ALL	5	2013	YES
503575	4858175	3.97499	686.51	686.51	0	ANNUAL	ALL	5	2011	YES
504325	4857725	3.97599	699.08	699.08	0	ANNUAL	ALL	5	2013	YES
504350	4857750	3.97244	698.99	698.99	0	ANNUAL	ALL	5	2013	YES
503575	4858200	3.94238	684.89	684.89	0	ANNUAL	ALL	5	2011	YES
504075	4858150	3.92272	695.74	695.74	0	ANNUAL	ALL	5	2013	YES
503550	4858150	3.92034	689.54	689.54	0	ANNUAL	ALL	5	2011	YES
504200	4857675	3.9096	696.39	696.39	0	ANNUAL	ALL	5	2013	YES
503950	4858200	3.89982	695.81	695.81	0	ANNUAL	ALL	5	2013	YES
504350	4857875	3.9139	696.25	696.25	0	ANNUAL	ALL	5	2013	YES
504200.6	4858051	3.89142	694.57	694.57	0	ANNUAL	ALL	5	2013	YES
503975	4857750	3.88804	694.62	694.62	0	ANNUAL	ALL	5	2014	YES
503550	4858175	3.85823	688.28	689.03	0	ANNUAL	ALL	5	2011	YES
504300	4857700	3.85848	697.91	697.91	0	ANNUAL	ALL	5	2013	YES
504000	4858175	3.82909	696.21	696.21	0	ANNUAL	ALL	5	2013	YES
504100	4858150	3.81807	695.32	695.32	0	ANNUAL	ALL	5	2013	YES
504225	4857675	3.82482	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
503550	4858125	3.79957	690.08	690.08	0	ANNUAL	ALL	5	2012	YES
504100	4857675	3.78813	695.38	695.38	0	ANNUAL	ALL	5	2013	YES
504375	4857775	3.7872	697.86	697.86	0	ANNUAL	ALL	5	2013	YES
504225	4858025	3.77942	694.35	694.35	0	ANNUAL	ALL	5	2013	YES
504300	4857950	3.78303	694.88	694.88	0	ANNUAL	ALL	5	2013	YES
503550	4858200	3.77172	686.39	690.12	0	ANNUAL	ALL	5	2011	YES
504375	4857800	3.78092	698.01	698.01	0	ANNUAL	ALL	5	2013	YES
503800	4858300	3.76785	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
503666.4	4857993	3.76582	691.26	691.26	0	ANNUAL	ALL	5	2012	YES
504025	4857700	3.74367	695.34	695.34	0	ANNUAL	ALL	5	2014	YES
504150	4858125	3.73353	694.79	694.79	0	ANNUAL	ALL	5	2013	YES
504375	4857825	3.71927	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
504224.4	4858028	3.69889	694.42	694.42	0	ANNUAL	ALL	5	2013	YES
504250	4857675	3.69829	697.6	697.6	0	ANNUAL	ALL	5	2013	YES
504275	4857975	3.68308	693.88	693.88	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504350	4857725	3.68289	699.86	699.86	0	ANNUAL	ALL	5	2013	YES
504125	4858150	3.66808	695.11	695.11	0	ANNUAL	ALL	5	2013	YES
504025	4858175	3.65714	696.32	696.32	0	ANNUAL	ALL	5	2013	YES
504325	4857925	3.65886	695.94	695.94	0	ANNUAL	ALL	5	2013	YES
504175	4858100	3.64599	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504375	4857750	3.64711	699.06	699.06	0	ANNUAL	ALL	5	2013	YES
503975	4858200	3.63772	696.04	696.04	0	ANNUAL	ALL	5	2013	YES
504325	4857700	3.6267	699.22	699.22	0	ANNUAL	ALL	5	2013	YES
504375	4857850	3.61178	697.5	697.5	0	ANNUAL	ALL	5	2013	YES
504250	4858000	3.5724	693.95	693.95	0	ANNUAL	ALL	5	2013	YES
504275	4857675	3.56348	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
504350	4857900	3.5701	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
503500	4858200	3.55593	690.42	690.42	0	ANNUAL	ALL	5	2011	YES
504050	4858175	3.53375	696.18	696.18	0	ANNUAL	ALL	5	2013	YES
504075	4857675	3.53457	695.94	695.94	0	ANNUAL	ALL	5	2013	YES
503900	4857775	3.52175	694.98	694.98	0	ANNUAL	ALL	5	2011	YES
504200	4858075	3.51086	695.08	695.08	0	ANNUAL	ALL	5	2013	YES
504075	4858175	3.47006	695.96	695.96	0	ANNUAL	ALL	5	2013	YES
503950	4857750	3.47614	695.08	695.08	0	ANNUAL	ALL	5	2011	YES
504000	4858200	3.44974	696.17	696.17	0	ANNUAL	ALL	5	2013	YES
503896.3	4857777	3.44667	694.97	694.97	0	ANNUAL	ALL	5	2011	YES
504150	4858150	3.43316	695	695	0	ANNUAL	ALL	5	2013	YES
504300	4857675	3.42122	698.35	698.35	0	ANNUAL	ALL	5	2013	YES
504375	4857725	3.40642	700.53	700.53	0	ANNUAL	ALL	5	2013	YES
504100	4858175	3.39349	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504375	4857875	3.41129	697.15	697.15	0	ANNUAL	ALL	5	2013	YES
504350	4857700	3.39994	700.05	700.05	0	ANNUAL	ALL	5	2013	YES
503575	4858075	3.38684	690.21	690.21	0	ANNUAL	ALL	5	2012	YES
503550	4858100	3.36499	690.49	690.49	0	ANNUAL	ALL	5	2012	YES
503500	4858300	3.35043	683.98	690.52	0	ANNUAL	ALL	5	2011	YES
504400	4857775	3.34986	699.21	699.21	0	ANNUAL	ALL	5	2013	YES
504400	4857800	3.33159	699.11	699.11	0	ANNUAL	ALL	5	2013	YES
503600	4858050	3.31686	689.97	689.97	0	ANNUAL	ALL	5	2012	YES
504175	4858125	3.31503	695.15	695.15	0	ANNUAL	ALL	5	2013	YES
504025	4858200	3.31187	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504325	4857950	3.31012	695.21	695.21	0	ANNUAL	ALL	5	2013	YES
504400	4857750	3.2993	699.63	699.63	0	ANNUAL	ALL	5	2013	YES
504325	4857675	3.28796	698.89	698.89	0	ANNUAL	ALL	5	2013	YES
504222.5	4858051	3.27513	694.86	694.86	0	ANNUAL	ALL	5	2013	YES
503975	4857725	3.28019	695.18	695.18	0	ANNUAL	ALL	5	2011	YES
504400	4857825	3.27054	698.88	698.88	0	ANNUAL	ALL	5	2013	YES
504125	4858175	3.24313	695.65	695.65	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504050	4857675	3.24806	696.02	696.02	0	ANNUAL	ALL	5	2014	YES
504350	4857925	3.24566	695.88	695.88	0	ANNUAL	ALL	5	2013	YES
504225	4858050	3.23486	694.87	694.87	0	ANNUAL	ALL	5	2013	YES
504300	4857975	3.23614	694.18	694.18	0	ANNUAL	ALL	5	2013	YES
504000	4857700	3.22274	695.53	695.53	0	ANNUAL	ALL	5	2014	YES
504375	4857700	3.18799	700.75	700.75	0	ANNUAL	ALL	5	2013	YES
504050	4858200	3.17759	696.37	696.37	0	ANNUAL	ALL	5	2013	YES
503625	4858025	3.16618	689.91	689.91	0	ANNUAL	ALL	5	2012	YES
503925	4857750	3.17051	695.26	695.26	0	ANNUAL	ALL	5	2011	YES
504200	4858100	3.15738	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
504400	4857725	3.15992	700.73	700.73	0	ANNUAL	ALL	5	2013	YES
503650	4858000	3.1538	690.63	690.63	0	ANNUAL	ALL	5	2012	YES
504400	4857850	3.16589	698.37	698.37	0	ANNUAL	ALL	5	2013	YES
504375	4857900	3.15953	696.64	696.64	0	ANNUAL	ALL	5	2013	YES
503900	4858300	3.12381	693.58	693.58	0	ANNUAL	ALL	5	2013	YES
504175	4858150	3.12169	695.07	695.07	0	ANNUAL	ALL	5	2013	YES
504075	4858200	3.1166	696.28	696.28	0	ANNUAL	ALL	5	2013	YES
504350	4857675	3.11403	700.08	700.08	0	ANNUAL	ALL	5	2013	YES
504275	4858000	3.08275	694.07	694.07	0	ANNUAL	ALL	5	2013	YES
504100	4858200	3.06738	696.08	696.08	0	ANNUAL	ALL	5	2013	YES
504150	4858175	3.06292	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
503600	4858400	3.05685	687.38	690.04	0	ANNUAL	ALL	5	2013	YES
504025	4857675	3.04751	695.76	695.76	0	ANNUAL	ALL	5	2014	YES
504250	4858025	3.03794	694.49	694.49	0	ANNUAL	ALL	5	2013	YES
503400	4858300	3.02065	690.68	690.68	0	ANNUAL	ALL	5	2011	YES
504400	4857700	2.99951	701.09	701.09	0	ANNUAL	ALL	5	2013	YES
504425	4857775	2.99711	700.03	700.03	0	ANNUAL	ALL	5	2013	YES
504400	4857875	3.00025	697.86	697.86	0	ANNUAL	ALL	5	2013	YES
504425	4857750	2.97999	700.41	700.41	0	ANNUAL	ALL	5	2013	YES
504225	4858075	2.95653	695.43	695.43	0	ANNUAL	ALL	5	2013	YES
504375	4857675	2.95864	700.78	700.78	0	ANNUAL	ALL	5	2013	YES
503700	4858400	2.95294	690.38	690.38	0	ANNUAL	ALL	5	2013	YES
504125	4858200	2.95073	695.89	695.89	0	ANNUAL	ALL	5	2013	YES
504425	4857800	2.95396	700.02	700.02	0	ANNUAL	ALL	5	2013	YES
503667.2	4857969	2.93592	691.82	691.82	0	ANNUAL	ALL	5	2011	YES
504200	4858125	2.93106	695.6	695.6	0	ANNUAL	ALL	5	2013	YES
504425	4857825	2.92509	699.42	699.42	0	ANNUAL	ALL	5	2013	YES
504425	4857725	2.91462	701.02	701.02	0	ANNUAL	ALL	5	2013	YES
504175	4858175	2.8993	695.24	695.24	0	ANNUAL	ALL	5	2013	YES
504350	4857950	2.90309	695.37	695.37	0	ANNUAL	ALL	5	2013	YES
504375	4857925	2.89994	696.03	696.03	0	ANNUAL	ALL	5	2013	YES
504325	4857975	2.87793	694.59	694.59	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503875	4857775	2.84885	695.02	695.02	0	ANNUAL	ALL	5	2011	YES
503950	4857725	2.84091	695.46	695.46	0	ANNUAL	ALL	5	2011	YES
503871.5	4857777	2.83656	694.97	694.97	0	ANNUAL	ALL	5	2011	YES
504150	4858200	2.81335	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504425	4857850	2.8256	698.71	698.71	0	ANNUAL	ALL	5	2013	YES
504400	4857675	2.80587	701.32	701.32	0	ANNUAL	ALL	5	2013	YES
504425	4857700	2.80064	701.48	701.48	0	ANNUAL	ALL	5	2013	YES
504400	4857900	2.80671	697.18	697.18	0	ANNUAL	ALL	5	2013	YES
503550	4858075	2.78334	690.85	690.85	0	ANNUAL	ALL	5	2012	YES
504225	4858100	2.78395	695.87	695.87	0	ANNUAL	ALL	5	2013	YES
504250	4858050	2.77744	695.14	695.14	0	ANNUAL	ALL	5	2013	YES
503900	4857750	2.76654	695.42	695.42	0	ANNUAL	ALL	5	2011	YES
503500	4858400	2.75621	681.51	681.51	0	ANNUAL	ALL	5	2011	YES
504200	4858150	2.75652	695.45	695.45	0	ANNUAL	ALL	5	2013	YES
504300	4858000	2.74316	694.26	694.26	0	ANNUAL	ALL	5	2013	YES
503975	4857700	2.74276	695.67	695.67	0	ANNUAL	ALL	5	2014	YES
504275	4858025	2.6856	694.64	694.64	0	ANNUAL	ALL	5	2013	YES
504000	4857675	2.68828	695.95	695.95	0	ANNUAL	ALL	5	2014	YES
504425	4857875	2.68079	698.23	698.23	0	ANNUAL	ALL	5	2013	YES
504175	4858200	2.66737	695.56	695.56	0	ANNUAL	ALL	5	2013	YES
503575	4858050	2.66651	690.58	690.58	0	ANNUAL	ALL	5	2012	YES
503400	4858400	2.66352	683.63	690.43	0	ANNUAL	ALL	5	2011	YES
504425	4857675	2.65791	701.72	701.72	0	ANNUAL	ALL	5	2013	YES
503800	4858400	2.6469	690.8	690.8	0	ANNUAL	ALL	5	2013	YES
504225	4858125	2.62493	696.06	696.06	0	ANNUAL	ALL	5	2013	YES
504200	4858175	2.61368	695.39	695.39	0	ANNUAL	ALL	5	2013	YES
504375	4857950	2.60417	695.69	695.69	0	ANNUAL	ALL	5	2013	YES
503650	4857975	2.584	691.4	691.4	0	ANNUAL	ALL	5	2011	YES
504250	4858075	2.58087	695.7	695.7	0	ANNUAL	ALL	5	2013	YES
504400	4857925	2.58925	696.6	696.6	0	ANNUAL	ALL	5	2013	YES
504350	4857975	2.58171	694.95	694.95	0	ANNUAL	ALL	5	2013	YES
503925	4857725	2.57925	695.63	695.63	0	ANNUAL	ALL	5	2011	YES
503600	4858025	2.56174	690.42	690.42	0	ANNUAL	ALL	5	2012	YES
504000	4858300	2.55628	695.17	695.17	0	ANNUAL	ALL	5	2013	YES
504200	4857600	2.55869	695.86	695.86	0	ANNUAL	ALL	5	2013	YES
503667.9	4857945	2.53693	692.42	692.42	0	ANNUAL	ALL	5	2011	YES
503850	4857775	2.51758	694.86	694.86	0	ANNUAL	ALL	5	2011	YES
504425	4857900	2.51813	697.7	697.7	0	ANNUAL	ALL	5	2013	YES
503625	4858000	2.50427	690.6	690.6	0	ANNUAL	ALL	5	2012	YES
503846.7	4857777	2.49563	694.81	694.81	0	ANNUAL	ALL	5	2011	YES
504325	4858000	2.48309	694.3	694.3	0	ANNUAL	ALL	5	2013	YES
504225	4858150	2.48305	695.95	695.95	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504200	4858200	2.47014	695.47	695.47	0	ANNUAL	ALL	5	2013	YES
503950	4857700	2.46493	695.89	695.89	0	ANNUAL	ALL	5	2011	YES
504250	4858100	2.45819	696.16	696.16	0	ANNUAL	ALL	5	2013	YES
503400	4858200	2.4418	691.2	691.2	0	ANNUAL	ALL	5	2012	YES
503500	4858100	2.43862	691.85	691.85	0	ANNUAL	ALL	5	2012	YES
503500	4858500	2.43284	686.96	686.96	0	ANNUAL	ALL	5	2013	YES
504300	4857600	2.42411	699.72	699.72	0	ANNUAL	ALL	5	2013	YES
504300	4858025	2.41433	694.74	694.74	0	ANNUAL	ALL	5	2013	YES
503797.1	4857777	2.41439	694.43	694.43	0	ANNUAL	ALL	5	2013	YES
503800	4857775	2.40066	694.49	694.49	0	ANNUAL	ALL	5	2013	YES
503875	4857750	2.38912	695.51	695.51	0	ANNUAL	ALL	5	2011	YES
504275	4858050	2.3829	695.32	695.32	0	ANNUAL	ALL	5	2013	YES
504225	4858175	2.37645	695.81	695.81	0	ANNUAL	ALL	5	2013	YES
503821.9	4857777	2.36729	694.63	694.63	0	ANNUAL	ALL	5	2013	YES
503975	4857675	2.3619	696.04	696.04	0	ANNUAL	ALL	5	2014	YES
503900	4857725	2.36283	695.8	695.8	0	ANNUAL	ALL	5	2011	YES
503825	4857775	2.35865	694.68	694.68	0	ANNUAL	ALL	5	2011	YES
504250	4858125	2.34341	696.59	696.59	0	ANNUAL	ALL	5	2013	YES
504400	4857950	2.32566	696.26	696.26	0	ANNUAL	ALL	5	2013	YES
504425	4857925	2.32187	697.28	697.28	0	ANNUAL	ALL	5	2013	YES
503900	4858400	2.30954	691.05	691.05	0	ANNUAL	ALL	5	2013	YES
503400	4858500	2.28784	685.25	685.25	0	ANNUAL	ALL	5	2013	YES
504225	4858200	2.27258	695.62	695.62	0	ANNUAL	ALL	5	2013	YES
504375	4857975	2.27208	695.38	695.38	0	ANNUAL	ALL	5	2013	YES
503550	4858050	2.26651	691.24	691.24	0	ANNUAL	ALL	5	2012	YES
503300	4858400	2.26465	683.56	691.2	0	ANNUAL	ALL	5	2011	YES
503650	4857950	2.26366	692.48	692.48	0	ANNUAL	ALL	5	2011	YES
503668.7	4857921	2.26393	692.74	692.74	0	ANNUAL	ALL	5	2011	YES
504275	4858075	2.26544	695.93	695.93	0	ANNUAL	ALL	5	2013	YES
503925	4857700	2.2626	695.98	695.98	0	ANNUAL	ALL	5	2011	YES
504350	4858000	2.25811	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504250	4858150	2.23873	696.56	696.56	0	ANNUAL	ALL	5	2013	YES
503300	4858300	2.22713	690.18	690.18	0	ANNUAL	ALL	5	2011	YES
503850	4857750	2.21254	695.41	695.41	0	ANNUAL	ALL	5	2011	YES
504325	4858025	2.20077	694.73	694.73	0	ANNUAL	ALL	5	2013	YES
503670.1	4857873	2.19632	692.87	692.87	0	ANNUAL	ALL	5	2011	YES
503950	4857675	2.19668	696.14	696.14	0	ANNUAL	ALL	5	2011	YES
504275	4858100	2.18707	696.45	696.45	0	ANNUAL	ALL	5	2013	YES
503669.4	4857897	2.18309	692.88	692.88	0	ANNUAL	ALL	5	2011	YES
504100	4857600	2.18515	697.42	697.42	0	ANNUAL	ALL	5	2013	YES
504500	4857700	2.18041	703.89	703.89	0	ANNUAL	ALL	5	2013	YES
503575	4858025	2.17492	691	691	0	ANNUAL	ALL	5	2012	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504100	4858300	2.16748	696.89	696.89	0	ANNUAL	ALL	5	2013	YES
503875	4857725	2.17455	695.9	695.9	0	ANNUAL	ALL	5	2011	YES
504400	4857600	2.16529	702.01	702.01	0	ANNUAL	ALL	5	2013	YES
504250	4858175	2.15165	696.22	696.22	0	ANNUAL	ALL	5	2013	YES
504500	4857800	2.15312	702.37	702.37	0	ANNUAL	ALL	5	2013	YES
503625	4857975	2.13976	691.49	691.49	0	ANNUAL	ALL	5	2011	YES
503825	4857750	2.14102	695.18	695.18	0	ANNUAL	ALL	5	2011	YES
504300	4858050	2.13592	695.41	695.41	0	ANNUAL	ALL	5	2013	YES
503600	4858000	2.12197	691.12	691.12	0	ANNUAL	ALL	5	2012	YES
504275	4858125	2.09897	696.9	696.9	0	ANNUAL	ALL	5	2013	YES
504425	4857950	2.10201	696.8	696.8	0	ANNUAL	ALL	5	2013	YES
504000	4858400	2.08519	692.27	692.27	0	ANNUAL	ALL	5	2013	YES
503900	4857700	2.07909	696.1	696.1	0	ANNUAL	ALL	5	2011	YES
504250	4858200	2.06999	695.9	695.9	0	ANNUAL	ALL	5	2013	YES
503600	4858500	2.0658	683.17	690.26	0	ANNUAL	ALL	5	2013	YES
504375	4858000	2.0701	694.85	694.85	0	ANNUAL	ALL	5	2013	YES
503650	4857925	2.06015	692.83	692.83	0	ANNUAL	ALL	5	2011	YES
504400	4857975	2.06093	695.82	695.82	0	ANNUAL	ALL	5	2013	YES
503500	4858600	2.04853	691.15	691.15	0	ANNUAL	ALL	5	2013	YES
503200	4858400	2.04991	691.4	691.4	0	ANNUAL	ALL	5	2011	YES
503300	4858500	2.04122	679.48	690.82	0	ANNUAL	ALL	5	2011	YES
503800	4857750	2.04757	694.76	694.76	0	ANNUAL	ALL	5	2013	YES
504350	4858025	2.02612	694.64	694.64	0	ANNUAL	ALL	5	2013	YES
504300	4858075	2.02786	696.06	696.06	0	ANNUAL	ALL	5	2013	YES
504275	4858150	2.01807	697.05	697.05	0	ANNUAL	ALL	5	2013	YES
503850	4857725	2.01278	695.95	695.95	0	ANNUAL	ALL	5	2011	YES
503925	4857675	2.0038	696.24	696.24	0	ANNUAL	ALL	5	2011	YES
503775	4857775	2.00216	694.12	694.12	0	ANNUAL	ALL	5	2013	YES
503650	4857900	1.98676	692.71	692.71	0	ANNUAL	ALL	5	2011	YES
504300	4858100	1.96206	696.65	696.65	0	ANNUAL	ALL	5	2013	YES
504325	4858050	1.95218	695.36	695.36	0	ANNUAL	ALL	5	2013	YES
504275	4858175	1.94556	696.82	696.82	0	ANNUAL	ALL	5	2013	YES
503200	4858500	1.94315	684.36	691.61	0	ANNUAL	ALL	5	2011	YES
504200	4858300	1.93871	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
503700	4858500	1.93603	684.79	684.79	0	ANNUAL	ALL	5	2013	YES
503625	4857950	1.93657	692.61	692.61	0	ANNUAL	ALL	5	2011	YES
503772.3	4857777	1.94042	694.04	694.04	0	ANNUAL	ALL	5	2013	YES
503875	4857700	1.93915	696.08	696.08	0	ANNUAL	ALL	5	2011	YES
503670.9	4857850	1.90993	692.43	692.43	0	ANNUAL	ALL	5	2011	YES
503650	4857875	1.90033	692.35	692.35	0	ANNUAL	ALL	5	2011	YES
503550	4858025	1.8975	691.58	691.58	0	ANNUAL	ALL	5	2012	YES
504275	4858200	1.88546	696.42	696.42	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504300	4858125	1.88562	697.21	697.21	0	ANNUAL	ALL	5	2013	YES
504375	4858025	1.87675	694.7	694.7	0	ANNUAL	ALL	5	2013	YES
503900	4857675	1.87677	696.14	696.14	0	ANNUAL	ALL	5	2011	YES
503825	4857725	1.87421	695.71	695.71	0	ANNUAL	ALL	5	2011	YES
504425	4857975	1.87484	696.21	696.21	0	ANNUAL	ALL	5	2013	YES
503300	4858600	1.86404	684.79	690.73	0	ANNUAL	ALL	5	2013	YES
503400	4858600	1.85361	683.47	691.45	0	ANNUAL	ALL	5	2013	YES
503600	4857975	1.85351	691.81	691.81	0	ANNUAL	ALL	5	2011	YES
503575	4858000	1.85116	691.61	691.61	0	ANNUAL	ALL	5	2012	YES
504100	4858400	1.84741	694.02	694.02	0	ANNUAL	ALL	5	2013	YES
504350	4858050	1.85141	695.26	695.26	0	ANNUAL	ALL	5	2013	YES
504400	4858000	1.85117	695.29	695.29	0	ANNUAL	ALL	5	2013	YES
503600	4858600	1.84314	690.09	690.09	0	ANNUAL	ALL	5	2013	YES
504500	4857600	1.84105	705.69	705.69	0	ANNUAL	ALL	5	2013	YES
504500	4857900	1.84391	700.12	700.12	0	ANNUAL	ALL	5	2013	YES
504325	4858075	1.83862	696.07	696.07	0	ANNUAL	ALL	5	2013	YES
504300	4858150	1.82131	697.45	697.45	0	ANNUAL	ALL	5	2013	YES
503100	4858500	1.81746	690.54	690.54	0	ANNUAL	ALL	5	2011	YES
503800	4858500	1.81267	685.7	690.27	0	ANNUAL	ALL	5	2013	YES
503625	4857925	1.81311	692.3	692.3	0	ANNUAL	ALL	5	2011	YES
504325	4858100	1.77688	696.78	696.78	0	ANNUAL	ALL	5	2013	YES
503850	4857700	1.77642	696.15	696.15	0	ANNUAL	ALL	5	2011	YES
504300	4858175	1.76634	697.34	697.34	0	ANNUAL	ALL	5	2013	YES
504000	4857600	1.75393	696.98	696.98	0	ANNUAL	ALL	5	2014	YES
503200	4858700	1.7455	690.6	690.6	0	ANNUAL	ALL	5	2013	YES
504375	4858050	1.74079	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504400	4858025	1.74196	694.94	694.94	0	ANNUAL	ALL	5	2013	YES
503875	4857675	1.74353	695.99	695.99	0	ANNUAL	ALL	5	2011	YES
503800	4857725	1.73264	695.13	695.13	0	ANNUAL	ALL	5	2011	YES
503300	4858700	1.71911	688.8	689.64	0	ANNUAL	ALL	5	2013	YES
503775	4857750	1.71952	694.27	694.27	0	ANNUAL	ALL	5	2011	YES
503700	4858600	1.71177	690.05	690.05	0	ANNUAL	ALL	5	2013	YES
503600	4857950	1.71175	692.28	692.28	0	ANNUAL	ALL	5	2011	YES
504300	4858200	1.71381	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
504325	4858125	1.71281	697.45	697.45	0	ANNUAL	ALL	5	2013	YES
504200	4858400	1.7075	693.7	693.7	0	ANNUAL	ALL	5	2013	YES
503625	4857900	1.70871	691.16	691.16	0	ANNUAL	ALL	5	2011	YES
503200	4858600	1.70536	681.34	690.28	0	ANNUAL	ALL	5	2011	YES
504350	4858075	1.68994	695.99	695.99	0	ANNUAL	ALL	5	2013	YES
503400	4858700	1.68484	689.45	689.45	0	ANNUAL	ALL	5	2013	YES
504425	4858000	1.68122	695.98	695.98	0	ANNUAL	ALL	5	2013	YES
504325	4858150	1.6542	697.81	697.81	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503575	4857975	1.64856	692.02	692.02	0	ANNUAL	ALL	5	2011	YES
503550	4858000	1.64185	691.95	691.95	0	ANNUAL	ALL	5	2012	YES
503825	4857700	1.63055	696.1	696.1	0	ANNUAL	ALL	5	2011	YES
503200	4858300	1.62479	691.56	691.56	0	ANNUAL	ALL	5	2012	YES
504350	4858100	1.62608	696.8	696.8	0	ANNUAL	ALL	5	2013	YES
504400	4858050	1.62423	695.03	695.03	0	ANNUAL	ALL	5	2013	YES
503900	4858500	1.61783	686.29	691.81	0	ANNUAL	ALL	5	2013	YES
503650	4857850	1.61888	691.55	691.55	0	ANNUAL	ALL	5	2011	YES
503300	4858200	1.61025	691.47	691.47	0	ANNUAL	ALL	5	2012	YES
504325	4858175	1.60733	697.9	697.9	0	ANNUAL	ALL	5	2013	YES
503850	4857675	1.61059	695.99	695.99	0	ANNUAL	ALL	5	2011	YES
503600	4857925	1.59777	692.28	692.28	0	ANNUAL	ALL	5	2011	YES
503800	4858600	1.57949	689.38	689.78	0	ANNUAL	ALL	5	2013	YES
504375	4858075	1.57821	695.83	695.83	0	ANNUAL	ALL	5	2013	YES
504425	4858025	1.5755	695.29	695.29	0	ANNUAL	ALL	5	2013	YES
504350	4858125	1.56932	697.58	697.58	0	ANNUAL	ALL	5	2013	YES
503750	4857775	1.56958	693.62	693.62	0	ANNUAL	ALL	5	2011	YES
503747.5	4857777	1.56423	693.55	693.55	0	ANNUAL	ALL	5	2011	YES
503625	4857875	1.5589	691.21	691.21	0	ANNUAL	ALL	5	2011	YES
504325	4858200	1.56025	697.77	697.77	0	ANNUAL	ALL	5	2013	YES
504600	4857700	1.55786	707.54	707.54	0	ANNUAL	ALL	5	2013	YES
503100	4858400	1.55498	690.67	690.67	0	ANNUAL	ALL	5	2011	YES
504000	4858500	1.54509	687.5	687.5	0	ANNUAL	ALL	5	2013	YES
503775	4857725	1.55233	694.47	694.47	0	ANNUAL	ALL	5	2011	YES
503000	4858700	1.54802	690.07	690.07	0	ANNUAL	ALL	5	2011	YES
504400	4857500	1.54447	702.12	702.12	0	ANNUAL	ALL	5	2013	YES
503671.6	4857826	1.53854	692.33	692.33	0	ANNUAL	ALL	5	2011	YES
503575	4857950	1.52883	692.39	692.39	0	ANNUAL	ALL	5	2011	YES
503100	4858600	1.52729	677.56	691.59	0	ANNUAL	ALL	5	2011	YES
504350	4858150	1.51198	698.16	698.16	0	ANNUAL	ALL	5	2013	YES
504100	4858500	1.50368	688.72	688.72	0	ANNUAL	ALL	5	2013	YES
504425	4858050	1.50865	695.13	695.13	0	ANNUAL	ALL	5	2013	YES
504300	4857500	1.50828	702.02	702.02	0	ANNUAL	ALL	5	2013	YES
504600	4857800	1.50922	704.3	704.3	0	ANNUAL	ALL	5	2013	YES
503200	4858800	1.50415	690.63	690.63	0	ANNUAL	ALL	5	2013	YES
503500	4858700	1.50197	687.22	689.49	0	ANNUAL	ALL	5	2013	YES
503400	4858100	1.50387	692.54	692.54	0	ANNUAL	ALL	5	2012	YES
503800	4857700	1.50698	695.42	695.42	0	ANNUAL	ALL	5	2011	YES
504375	4858100	1.50385	696.71	696.71	0	ANNUAL	ALL	5	2013	YES
503600	4858700	1.48482	690.9	690.9	0	ANNUAL	ALL	5	2013	YES
503600	4857900	1.48154	691.54	691.54	0	ANNUAL	ALL	5	2011	YES
503550	4857975	1.4782	692.23	692.23	0	ANNUAL	ALL	5	2011	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504400	4858075	1.47981	695.63	695.63	0	ANNUAL	ALL	5	2013	YES
503100	4858700	1.47812	683.93	690.91	0	ANNUAL	ALL	5	2011	YES
504350	4858175	1.464	698.46	698.46	0	ANNUAL	ALL	5	2013	YES
503825	4857675	1.4568	696.03	696.03	0	ANNUAL	ALL	5	2011	YES
504200	4857500	1.45243	700.44	701.55	0	ANNUAL	ALL	5	2014	YES
503300	4858800	1.44523	689.78	689.78	0	ANNUAL	ALL	5	2013	YES
504375	4858125	1.44751	697.59	697.59	0	ANNUAL	ALL	5	2013	YES
503722.7	4857778	1.4462	693.28	693.28	0	ANNUAL	ALL	5	2014	YES
503725	4857775	1.43716	693.4	693.4	0	ANNUAL	ALL	5	2014	YES
504300	4858300	1.43576	698.65	698.65	0	ANNUAL	ALL	5	2013	YES
503750	4857750	1.43835	694.03	694.03	0	ANNUAL	ALL	5	2011	YES
503775	4857700	1.43152	694.48	694.48	0	ANNUAL	ALL	5	2011	YES
503100	4858800	1.4257	688.45	688.45	0	ANNUAL	ALL	5	2013	YES
504200	4858500	1.41807	689.46	689.46	0	ANNUAL	ALL	5	2013	YES
503700	4858700	1.41864	692.1	692.1	0	ANNUAL	ALL	5	2013	YES
504600	4857600	1.42141	710.54	726.25	0	ANNUAL	ALL	5	2013	YES
503575	4857925	1.41763	692.47	692.47	0	ANNUAL	ALL	5	2011	YES
504350	4858200	1.41893	698.61	698.61	0	ANNUAL	ALL	5	2013	YES
503900	4858600	1.41202	689.32	689.67	0	ANNUAL	ALL	5	2013	YES
503900	4857600	1.41533	695.98	695.98	0	ANNUAL	ALL	5	2011	YES
503400	4858800	1.40517	691.9	691.9	0	ANNUAL	ALL	5	2013	YES
503000	4858800	1.40615	690.9	690.9	0	ANNUAL	ALL	5	2011	YES
504400	4858100	1.40418	696.48	696.48	0	ANNUAL	ALL	5	2013	YES
503650	4857825	1.39541	691.8	691.8	0	ANNUAL	ALL	5	2011	YES
504375	4858150	1.39245	698.4	698.4	0	ANNUAL	ALL	5	2013	YES
504425	4858075	1.39041	695.55	695.55	0	ANNUAL	ALL	5	2013	YES
503625	4857850	1.38965	691.33	691.33	0	ANNUAL	ALL	5	2011	YES
503800	4857675	1.38681	695.19	695.19	0	ANNUAL	ALL	5	2011	YES
502900	4858700	1.37749	689.2	690.07	0	ANNUAL	ALL	5	2011	YES
503550	4857950	1.37624	692.38	692.38	0	ANNUAL	ALL	5	2011	YES
503600	4857875	1.35136	691.37	691.37	0	ANNUAL	ALL	5	2013	YES
503750	4857725	1.35197	694.15	694.15	0	ANNUAL	ALL	5	2011	YES
504400	4858125	1.3491	697.53	697.53	0	ANNUAL	ALL	5	2013	YES
504500	4858000	1.35227	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
502900	4858800	1.346	691.01	691.01	0	ANNUAL	ALL	5	2011	YES
504375	4858175	1.34567	698.89	698.89	0	ANNUAL	ALL	5	2013	YES
503672.4	4857802	1.33963	692.68	692.68	0	ANNUAL	ALL	5	2011	YES
503000	4858500	1.33285	685.33	691.59	0	ANNUAL	ALL	5	2011	YES
503000	4858600	1.33297	676.56	691.59	0	ANNUAL	ALL	5	2011	YES
504500	4857500	1.33436	707.48	726.7	0	ANNUAL	ALL	5	2013	YES
503697.9	4857778	1.33379	693.26	693.26	0	ANNUAL	ALL	5	2014	YES
503700	4857775	1.33323	693.3	693.3	0	ANNUAL	ALL	5	2014	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503800	4858700	1.32785	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
503500	4858000	1.32223	692.67	692.67	0	ANNUAL	ALL	5	2012	YES
504100	4858600	1.31337	692.32	692.32	0	ANNUAL	ALL	5	2013	YES
504300	4858400	1.31631	696.6	696.6	0	ANNUAL	ALL	5	2013	YES
503775	4857675	1.31727	694.32	694.32	0	ANNUAL	ALL	5	2011	YES
504000	4858600	1.31103	688.74	688.74	0	ANNUAL	ALL	5	2013	YES
504425	4858100	1.31572	696.33	696.33	0	ANNUAL	ALL	5	2013	YES
503575	4857900	1.2957	692.44	692.44	0	ANNUAL	ALL	5	2011	YES
504375	4858200	1.29718	699.36	699.36	0	ANNUAL	ALL	5	2013	YES
503725	4857750	1.29708	693.78	693.78	0	ANNUAL	ALL	5	2014	YES
504400	4858150	1.29426	698.45	698.45	0	ANNUAL	ALL	5	2013	YES
503750	4857700	1.29485	694.18	694.18	0	ANNUAL	ALL	5	2011	YES
503000	4858900	1.28546	691.46	691.46	0	ANNUAL	ALL	5	2013	YES
503100	4858900	1.27889	690.04	690.04	0	ANNUAL	ALL	5	2013	YES
503200	4858900	1.27594	692.31	692.31	0	ANNUAL	ALL	5	2013	YES
503550	4857925	1.27287	692.43	692.43	0	ANNUAL	ALL	5	2011	YES
504600	4857900	1.27024	703.73	703.73	0	ANNUAL	ALL	5	2013	YES
503600	4857850	1.26333	691.54	691.54	0	ANNUAL	ALL	5	2013	YES
503500	4858800	1.26197	689.01	689.01	0	ANNUAL	ALL	5	2013	YES
504425	4858125	1.2647	697.37	697.37	0	ANNUAL	ALL	5	2013	YES
504100	4857500	1.26294	699.94	699.94	0	ANNUAL	ALL	5	2013	YES
503625	4857825	1.25906	691.62	691.62	0	ANNUAL	ALL	5	2013	YES
503650	4857800	1.24739	692.48	692.48	0	ANNUAL	ALL	5	2011	YES
504400	4858175	1.24427	699.21	699.21	0	ANNUAL	ALL	5	2013	YES
502800	4858800	1.24002	690.87	690.87	0	ANNUAL	ALL	5	2011	YES
503673.1	4857778	1.22537	693.15	693.15	0	ANNUAL	ALL	5	2014	YES
503300	4858900	1.22027	692.62	692.62	0	ANNUAL	ALL	5	2013	YES
503675	4857775	1.22255	693.2	693.2	0	ANNUAL	ALL	5	2014	YES
503575	4857875	1.22048	692.18	692.18	0	ANNUAL	ALL	5	2013	YES
503600	4858800	1.21679	694.09	694.09	0	ANNUAL	ALL	5	2013	YES
503750	4857675	1.21274	694.18	694.18	0	ANNUAL	ALL	5	2011	YES
504425	4858150	1.21123	698.43	698.43	0	ANNUAL	ALL	5	2013	YES
502900	4858900	1.2084	690.58	690.58	0	ANNUAL	ALL	5	2013	YES
503700	4857750	1.21013	693.73	693.73	0	ANNUAL	ALL	5	2014	YES
503900	4858700	1.20307	692.1	692.1	0	ANNUAL	ALL	5	2013	YES
503725	4857725	1.20093	694.04	694.04	0	ANNUAL	ALL	5	2014	YES
504300	4858500	1.19277	695.97	695.97	0	ANNUAL	ALL	5	2013	YES
504400	4858200	1.19259	699.94	699.94	0	ANNUAL	ALL	5	2013	YES
503600	4857825	1.1771	691.82	691.82	0	ANNUAL	ALL	5	2013	YES
503575	4857850	1.16409	692.04	692.04	0	ANNUAL	ALL	5	2013	YES
503100	4858300	1.16362	689.69	689.69	0	ANNUAL	ALL	5	2012	YES
503550	4857900	1.1576	692.6	692.6	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504425	4858175	1.15967	699.44	699.44	0	ANNUAL	ALL	5	2013	YES
503625	4857800	1.15821	692.33	692.33	0	ANNUAL	ALL	5	2013	YES
504000	4858700	1.15197	691.41	691.41	0	ANNUAL	ALL	5	2013	YES
503725	4857700	1.14714	694.12	694.12	0	ANNUAL	ALL	5	2011	YES
503200	4858200	1.14345	691.82	691.82	0	ANNUAL	ALL	5	2012	YES
504000	4857500	1.14638	698.32	698.32	0	ANNUAL	ALL	5	2014	YES
503700	4858800	1.13911	694.6	694.6	0	ANNUAL	ALL	5	2013	YES
502800	4858700	1.1403	686.12	691.99	0	ANNUAL	ALL	5	2011	YES
503675	4857750	1.13669	693.58	693.58	0	ANNUAL	ALL	5	2014	YES
503000	4859000	1.13103	692.11	692.11	0	ANNUAL	ALL	5	2013	YES
503650	4857775	1.13292	693.06	693.06	0	ANNUAL	ALL	5	2011	YES
504200	4858600	1.12142	696.54	696.54	0	ANNUAL	ALL	5	2013	YES
504100	4858700	1.11635	690.74	697.23	0	ANNUAL	ALL	5	2013	YES
503100	4859000	1.11752	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
502900	4858600	1.11762	676.01	691.02	0	ANNUAL	ALL	5	2011	YES
504500	4858100	1.11893	696.08	696.08	0	ANNUAL	ALL	5	2013	YES
503550	4857875	1.11497	692.51	692.51	0	ANNUAL	ALL	5	2013	YES
502900	4859000	1.11125	690.66	690.66	0	ANNUAL	ALL	5	2013	YES
504600	4857500	1.11079	716.69	726.67	0	ANNUAL	ALL	5	2013	YES
503700	4857725	1.1106	694	694	0	ANNUAL	ALL	5	2014	YES
504425	4858200	1.10879	700.3	700.3	0	ANNUAL	ALL	5	2013	YES
504700	4857700	1.10849	712.79	726.8	0	ANNUAL	ALL	5	2013	YES
503575	4857825	1.10477	692.08	692.08	0	ANNUAL	ALL	5	2013	YES
502700	4858900	1.10215	691.66	691.66	0	ANNUAL	ALL	5	2011	YES
503725	4857675	1.10048	694.29	694.29	0	ANNUAL	ALL	5	2011	YES
503400	4858900	1.09007	696.3	696.3	0	ANNUAL	ALL	5	2013	YES
503600	4857800	1.09093	692.24	692.24	0	ANNUAL	ALL	5	2013	YES
503800	4857600	1.08482	695.48	695.48	0	ANNUAL	ALL	5	2011	YES
504300	4858600	1.08155	694.86	694.86	0	ANNUAL	ALL	5	2013	YES
504400	4857400	1.07888	703.29	727.1	0	ANNUAL	ALL	5	2013	YES
502900	4858500	1.07062	686.5	686.5	0	ANNUAL	ALL	5	2011	YES
503550	4857850	1.06635	692.48	692.48	0	ANNUAL	ALL	5	2013	YES
503800	4858800	1.06292	694.69	694.69	0	ANNUAL	ALL	5	2013	YES
503000	4858400	1.06429	684.75	689.56	0	ANNUAL	ALL	5	2012	YES
503500	4858900	1.05914	689.56	696.67	0	ANNUAL	ALL	5	2013	YES
503650	4857750	1.06076	693.51	693.51	0	ANNUAL	ALL	5	2014	YES
503625	4857775	1.05764	692.91	692.91	0	ANNUAL	ALL	5	2013	YES
503200	4859000	1.05248	694.2	694.2	0	ANNUAL	ALL	5	2013	YES
502800	4858900	1.05194	683.62	691.13	0	ANNUAL	ALL	5	2011	YES
504700	4857600	1.04799	717.75	726.66	0	ANNUAL	ALL	5	2013	YES
503300	4858100	1.04676	692.37	692.37	0	ANNUAL	ALL	5	2012	YES
504700	4857800	1.04622	708.71	708.71	0	ANNUAL	ALL	5	2013	YES

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503675	4857725	1.04313	693.99	693.99	0	ANNUAL	ALL	5	2011	YES
503700	4857700	1.03967	694.29	694.29	0	ANNUAL	ALL	5	2014	YES
503575	4857800	1.03487	692.24	692.24	0	ANNUAL	ALL	5	2013	YES
502700	4859000	1.03207	693.01	693.01	0	ANNUAL	ALL	5	2011	YES
504400	4858500	1.02907	694.92	694.92	0	ANNUAL	ALL	5	2013	YES
504400	4858300	1.02933	701.53	701.53	0	ANNUAL	ALL	5	2013	YES
504300	4857400	1.02865	702.44	702.44	0	ANNUAL	ALL	5	2014	YES
502800	4859000	1.02653	688.62	689.53	0	ANNUAL	ALL	5	2013	YES
503550	4857825	1.02516	692.37	692.37	0	ANNUAL	ALL	5	2013	YES
503500	4857900	1.00681	692.1	692.1	0	ANNUAL	ALL	5	2013	YES
503600	4858900	1.00518	696.08	696.08	0	ANNUAL	ALL	5	2013	YES
502600	4858900	1.00168	690.93	690.93	0	ANNUAL	ALL	5	2011	YES
504400	4858400	1.00116	700.22	700.22	0	ANNUAL	ALL	5	2013	YES
503600	4857775	1.0022	692.71	692.71	0	ANNUAL	ALL	5	2013	YES
504000.5	4858044		691.45	691.45						
503990.5	4858044		691.42	691.42						
504000.5	4858039		691.35	691.35						
503990.5	4858039		691.31	691.31						
504195	4857770		696.29	696.29						
504195	4857775		696.25	696.25						
504205	4857770		696.36	696.36						
504205	4857775		696.31	696.31						
504198.9	4857771		696.33	696.33						
504188.9	4857771		696.24	696.24						
504198.9	4857776		696.27	696.27						
504188.9	4857776		696.21	696.21						
503967	4858045		691.4	691.4						
503967	4858040		691.23	691.23						
503977	4858045		691.44	691.44						
503977	4858040		691.26	691.26						
504213.7	4857771		696.32	696.32						
504213.7	4857776		696.29	696.29						
504223.7	4857771		696.19	696.19						
504223.7	4857776		696.13	696.13						
504220	4857770		696.25	696.25						
504220	4857775		696.2	696.2						
504230	4857770		696.07	696.07						
504230	4857775		696.02	696.02						
504170	4857770		696.14	696.14						
504170	4857775		696.08	696.08						
504180	4857770		696.21	696.21						

Scenario 1, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504180	4857775		696.16	696.16						
504164	4857771		696.07	696.07						
504164	4857776		696.02	696.02						
504174	4857771		696.16	696.16						
504174	4857776		696.11	696.11						

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503995.5	4857777	15.10028	693.51	693.51	0	ANNUAL	ALL	5	2013	YES
503972	4858040	13.79043	691.23	691.23	0	ANNUAL	ALL	5	2015	YES
503948.4	4858041	13.17294	691.13	691.13	0	ANNUAL	ALL	5	2011	YES
504000	4857775	13.01933	693.53	693.53	0	ANNUAL	ALL	5	2013	YES
503995.5	4858039	12.9487	691.33	691.33	0	ANNUAL	ALL	5	2015	YES
503924.8	4858043	12.7737	690.7	690.7	0	ANNUAL	ALL	5	2011	YES
503925	4858050	12.47028	690.9	690.9	0	ANNUAL	ALL	5	2011	YES
503950	4858050	12.25791	691.46	691.46	0	ANNUAL	ALL	5	2015	YES
503901.3	4858044	11.52234	690.21	690.21	0	ANNUAL	ALL	5	2011	YES
503900	4858050	11.4574	690.35	690.35	0	ANNUAL	ALL	5	2011	YES
503975	4858050	11.22849	691.62	691.62	0	ANNUAL	ALL	5	2015	YES
504066.2	4858035	10.7665	691.92	691.92	0	ANNUAL	ALL	5	2013	YES
503900	4858075	10.75366	691.28	691.28	0	ANNUAL	ALL	5	2011	YES
504019.1	4858037	10.53783	691.46	691.46	0	ANNUAL	ALL	5	2015	YES
503925	4858075	10.42798	691.87	691.87	0	ANNUAL	ALL	5	2011	YES
503878.2	4858049	10.25878	690	690	0	ANNUAL	ALL	5	2011	YES
503875	4858075	10.15715	690.81	690.81	0	ANNUAL	ALL	5	2011	YES
503875	4858050	10.12741	690.02	690.02	0	ANNUAL	ALL	5	2011	YES
504042.7	4858036	9.99434	691.68	691.68	0	ANNUAL	ALL	5	2013	YES
504089.8	4858033	9.83337	692.23	692.23	0	ANNUAL	ALL	5	2013	YES
504000	4858050	9.80152	691.59	691.59	0	ANNUAL	ALL	5	2015	YES
503950	4858075	9.48674	692.31	692.31	0	ANNUAL	ALL	5	2015	YES
503850	4858075	9.26781	690.23	690.23	0	ANNUAL	ALL	5	2011	YES
503875	4858100	9.26479	691.54	691.54	0	ANNUAL	ALL	5	2011	YES
503855	4858053	9.22856	689.85	689.85	0	ANNUAL	ALL	5	2011	YES
503850	4858100	9.01338	690.8	690.8	0	ANNUAL	ALL	5	2011	YES
503900	4858100	8.95092	692.24	692.24	0	ANNUAL	ALL	5	2015	YES
504020.3	4857776	8.83751	693.31	693.31	0	ANNUAL	ALL	5	2013	YES
504025	4858050	8.70726	691.76	691.76	0	ANNUAL	ALL	5	2013	YES
503975	4858075	8.4883	692.58	692.58	0	ANNUAL	ALL	5	2013	YES
503825	4858100	8.44195	690.18	690.18	0	ANNUAL	ALL	5	2011	YES
503925	4858100	8.32552	692.9	692.9	0	ANNUAL	ALL	5	2015	YES
503831.9	4858058	8.31652	689.7	689.7	0	ANNUAL	ALL	5	2011	YES
504025	4857775	8.29236	693.31	693.31	0	ANNUAL	ALL	5	2013	YES
503825	4858075	8.26199	689.81	689.81	0	ANNUAL	ALL	5	2011	YES
504050	4858050	8.24979	692.06	692.06	0	ANNUAL	ALL	5	2013	YES
504094.7	4857776	8.12409	693.35	693.35	0	ANNUAL	ALL	5	2013	YES
503850	4858125	8.11404	691.16	691.16	0	ANNUAL	ALL	5	2011	YES
503825	4858125	8.05967	690.55	690.55	0	ANNUAL	ALL	5	2011	YES
504100	4857775	7.99695	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
503875	4858125	7.91258	692.03	692.03	0	ANNUAL	ALL	5	2015	YES
503665	4858041	7.86853	690.57	690.57	0	ANNUAL	ALL	5	2012	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504091.4	4858051	7.83186	692.66	692.66	0	ANNUAL	ALL	5	2013	YES
504075	4858050	7.79375	692.4	692.4	0	ANNUAL	ALL	5	2013	YES
503800	4858100	7.68711	689.68	689.68	0	ANNUAL	ALL	5	2011	YES
504119.5	4857776	7.6744	694.76	694.76	0	ANNUAL	ALL	5	2013	YES
503800	4858125	7.66398	689.9	689.9	0	ANNUAL	ALL	5	2011	YES
504075	4857775	7.65475	692.53	692.53	0	ANNUAL	ALL	5	2013	YES
503808.8	4858063	7.62313	689.6	689.6	0	ANNUAL	ALL	5	2011	YES
504000	4858075	7.56977	692.58	692.58	0	ANNUAL	ALL	5	2013	YES
504069.9	4857776	7.55247	692.49	692.49	0	ANNUAL	ALL	5	2013	YES
503800	4858075	7.49759	689.54	689.54	0	ANNUAL	ALL	5	2011	YES
504125	4857775	7.49205	694.97	694.97	0	ANNUAL	ALL	5	2013	YES
503900	4858125	7.40436	692.97	692.97	0	ANNUAL	ALL	5	2015	YES
503950	4858100	7.37936	693.43	693.43	0	ANNUAL	ALL	5	2015	YES
503825	4858150	7.17836	690.51	690.51	0	ANNUAL	ALL	5	2015	YES
503800	4858150	7.15779	689.79	689.79	0	ANNUAL	ALL	5	2011	YES
503850	4858150	7.14772	691.4	691.4	0	ANNUAL	ALL	5	2015	YES
503664.2	4858065	7.14318	690.29	690.29	0	ANNUAL	ALL	5	2011	YES
504045.1	4857776	7.10871	692.9	692.9	0	ANNUAL	ALL	5	2013	YES
504050	4857775	7.09319	692.8	692.8	0	ANNUAL	ALL	5	2013	YES
504113.2	4858051	7.08085	692.97	692.97	0	ANNUAL	ALL	5	2013	YES
504025	4857750	7.07991	694.07	694.07	0	ANNUAL	ALL	5	2013	YES
503775	4858125	7.07346	689.25	689.25	0	ANNUAL	ALL	5	2011	YES
503785.7	4858068	7.06368	689.38	689.38	0	ANNUAL	ALL	5	2011	YES
504050	4857750	7.06305	693.23	693.23	0	ANNUAL	ALL	5	2013	YES
503775	4858100	6.99806	689.21	689.21	0	ANNUAL	ALL	5	2011	YES
504025	4858075	6.97118	692.56	692.56	0	ANNUAL	ALL	5	2013	YES
503775	4858150	6.91292	689.49	689.49	0	ANNUAL	ALL	5	2011	YES
503683	4858068	6.85314	690.35	690.35	0	ANNUAL	ALL	5	2011	YES
504232.2	4857935	6.84784	693.48	693.48	0	ANNUAL	ALL	5	2013	YES
503775	4858075	6.84725	689.23	689.23	0	ANNUAL	ALL	5	2011	YES
504144.3	4857776	6.82009	695.72	695.72	0	ANNUAL	ALL	5	2013	YES
504075	4857750	6.76721	692.59	692.59	0	ANNUAL	ALL	5	2013	YES
503975	4858100	6.76711	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
503925	4858125	6.71006	693.89	693.89	0	ANNUAL	ALL	5	2015	YES
503875	4858150	6.67922	692.4	692.4	0	ANNUAL	ALL	5	2015	YES
504150	4857775	6.66232	695.87	695.87	0	ANNUAL	ALL	5	2013	YES
504100	4857750	6.65264	693.04	693.04	0	ANNUAL	ALL	5	2013	YES
504050	4858075	6.65232	692.9	692.9	0	ANNUAL	ALL	5	2013	YES
503750	4858150	6.58414	689.26	689.26	0	ANNUAL	ALL	5	2011	YES
503750	4858125	6.57454	688.95	688.95	0	ANNUAL	ALL	5	2011	YES
503762.6	4858072	6.5644	689.11	689.11	0	ANNUAL	ALL	5	2011	YES
504125	4857750	6.52359	694.51	694.51	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503701.8	4858071	6.49859	689.71	689.71	0	ANNUAL	ALL	5	2011	YES
504169.1	4857776	6.49801	696.07	696.07	0	ANNUAL	ALL	5	2013	YES
503775	4858175	6.45078	689.97	689.97	0	ANNUAL	ALL	5	2011	YES
503750	4858100	6.44509	688.79	688.79	0	ANNUAL	ALL	5	2011	YES
504175	4857775	6.41765	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
503750	4858175	6.39524	689.95	689.95	0	ANNUAL	ALL	5	2011	YES
503800	4858175	6.37441	689.83	689.83	0	ANNUAL	ALL	5	2015	YES
503750	4858075	6.36998	688.95	688.95	0	ANNUAL	ALL	5	2011	YES
503825	4858175	6.34566	689.82	689.82	0	ANNUAL	ALL	5	2015	YES
503675	4858075	6.34028	690.22	690.22	0	ANNUAL	ALL	5	2011	YES
503700	4858075	6.32787	689.7	689.7	0	ANNUAL	ALL	5	2011	YES
503650	4858050	6.32651	689.78	689.78	0	ANNUAL	ALL	5	2012	YES
504193.9	4857776	6.26651	696.24	696.24	0	ANNUAL	ALL	5	2013	YES
503739.5	4858077	6.26449	688.87	688.87	0	ANNUAL	ALL	5	2011	YES
504075	4858075	6.2537	693.15	693.15	0	ANNUAL	ALL	5	2013	YES
503720.6	4858074	6.23449	689	689	0	ANNUAL	ALL	5	2011	YES
503725	4858075	6.22862	688.91	688.91	0	ANNUAL	ALL	5	2011	YES
503725	4858150	6.22095	688.98	688.98	0	ANNUAL	ALL	5	2011	YES
504200	4857775	6.185	696.28	696.28	0	ANNUAL	ALL	5	2013	YES
503725	4858175	6.17991	689.66	689.66	0	ANNUAL	ALL	5	2011	YES
504135.1	4858051	6.17731	693.36	693.36	0	ANNUAL	ALL	5	2013	YES
503725	4858125	6.16958	688.8	688.8	0	ANNUAL	ALL	5	2011	YES
503650	4858075	6.13785	689.77	689.77	0	ANNUAL	ALL	5	2011	YES
503850	4858175	6.13225	690.9	690.9	0	ANNUAL	ALL	5	2015	YES
504000	4858100	6.12409	693.81	693.81	0	ANNUAL	ALL	5	2013	YES
503900	4858150	6.10626	693.52	693.52	0	ANNUAL	ALL	5	2015	YES
503725	4858100	6.09937	688.77	688.77	0	ANNUAL	ALL	5	2011	YES
504150	4857750	6.04622	695.7	695.7	0	ANNUAL	ALL	5	2013	YES
504218.7	4857776	6.01194	696.22	696.22	0	ANNUAL	ALL	5	2013	YES
503950	4858125	5.95456	694.59	694.59	0	ANNUAL	ALL	5	2015	YES
504225	4857775	5.9353	696.11	696.11	0	ANNUAL	ALL	5	2013	YES
503750	4858200	5.90225	690.29	690.29	0	ANNUAL	ALL	5	2011	YES
503725	4858200	5.84545	689.84	689.84	0	ANNUAL	ALL	5	2011	YES
503775	4858200	5.83252	690.57	690.57	0	ANNUAL	ALL	5	2015	YES
503800	4858200	5.79118	690.54	690.54	0	ANNUAL	ALL	5	2015	YES
503700	4858100	5.78071	689.13	689.13	0	ANNUAL	ALL	5	2011	YES
504230.2	4857959	5.7688	693.33	693.33	0	ANNUAL	ALL	5	2013	YES
503665.7	4858017	5.75847	690.77	690.77	0	ANNUAL	ALL	5	2012	YES
503700	4858175	5.75186	688.71	688.71	0	ANNUAL	ALL	5	2011	YES
503700	4858150	5.74927	688.45	688.45	0	ANNUAL	ALL	5	2011	YES
503700	4858125	5.71694	688.68	688.68	0	ANNUAL	ALL	5	2011	YES
504025	4858100	5.71461	693.75	693.75	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504075	4857725	5.70947	693.4	693.4	0	ANNUAL	ALL	5	2013	YES
504175	4857750	5.70464	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
504243.5	4857776	5.70258	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504100	4857725	5.68699	692.68	692.68	0	ANNUAL	ALL	5	2013	YES
504100	4858075	5.67387	693.47	693.47	0	ANNUAL	ALL	5	2013	YES
503875	4858175	5.64713	692.53	692.53	0	ANNUAL	ALL	5	2015	YES
504250	4857775	5.61655	695.73	695.73	0	ANNUAL	ALL	5	2013	YES
503700	4858200	5.59917	689.04	689.04	0	ANNUAL	ALL	5	2011	YES
503825	4858200	5.59775	690.66	690.66	0	ANNUAL	ALL	5	2015	YES
504125	4857725	5.59205	692.9	692.9	0	ANNUAL	ALL	5	2013	YES
503925	4858150	5.55705	694.6	694.6	0	ANNUAL	ALL	5	2015	YES
504248.9	4857936	5.53024	694.22	694.22	0	ANNUAL	ALL	5	2013	YES
503975	4858125	5.51209	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504050	4858100	5.5106	693.75	693.75	0	ANNUAL	ALL	5	2013	YES
503675	4858100	5.4984	689.78	689.78	0	ANNUAL	ALL	5	2011	YES
504200	4857750	5.45373	696.31	696.31	0	ANNUAL	ALL	5	2013	YES
504150	4857725	5.42458	694.47	694.47	0	ANNUAL	ALL	5	2013	YES
504156.9	4858051	5.39311	693.74	693.74	0	ANNUAL	ALL	5	2013	YES
504268.3	4857775	5.35756	695.71	695.71	0	ANNUAL	ALL	5	2013	YES
504050	4857725	5.35078	694.46	694.46	0	ANNUAL	ALL	5	2013	YES
504000	4857750	5.34595	694.46	694.46	0	ANNUAL	ALL	5	2013	YES
503675	4858125	5.27859	688.88	688.88	0	ANNUAL	ALL	5	2011	YES
503850	4858200	5.26838	691.33	691.33	0	ANNUAL	ALL	5	2015	YES
504075	4858100	5.21486	694.01	694.01	0	ANNUAL	ALL	5	2013	YES
504275	4857775	5.21399	695.89	695.89	0	ANNUAL	ALL	5	2013	YES
503625	4858075	5.21347	689.19	689.19	0	ANNUAL	ALL	5	2012	YES
503675	4858150	5.21315	687.82	687.82	0	ANNUAL	ALL	5	2011	YES
503675	4858175	5.21091	687.35	687.35	0	ANNUAL	ALL	5	2011	YES
503650	4858100	5.20266	689.51	689.51	0	ANNUAL	ALL	5	2011	YES
503900	4858175	5.17959	693.78	693.78	0	ANNUAL	ALL	5	2015	YES
503675	4858200	5.17752	687.49	687.49	0	ANNUAL	ALL	5	2011	YES
504225	4857750	5.16944	696.41	696.41	0	ANNUAL	ALL	5	2013	YES
504175	4857725	5.09206	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
504000	4858125	5.03045	695.08	695.08	0	ANNUAL	ALL	5	2013	YES
504250	4857950	5.01831	693.91	693.91	0	ANNUAL	ALL	5	2013	YES
504125	4858075	5.0097	693.84	693.84	0	ANNUAL	ALL	5	2013	YES
503950	4857775	4.99198	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504250	4857750	4.98813	695.92	695.92	0	ANNUAL	ALL	5	2013	YES
503945.9	4857777	4.93899	694.6	694.6	0	ANNUAL	ALL	5	2013	YES
503625	4858100	4.91597	688.79	688.79	0	ANNUAL	ALL	5	2011	YES
503650	4858125	4.90175	688.7	688.7	0	ANNUAL	ALL	5	2011	YES
503970.7	4857777	4.88479	694.45	694.45	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503950	4858150	4.88348	695.46	695.46	0	ANNUAL	ALL	5	2015	YES
503875	4858200	4.87197	692.84	692.84	0	ANNUAL	ALL	5	2015	YES
504311.8	4857844	4.86271	695.83	695.83	0	ANNUAL	ALL	5	2013	YES
504293.1	4857775	4.85255	696.89	696.89	0	ANNUAL	ALL	5	2013	YES
504100	4858100	4.85125	694.1	694.1	0	ANNUAL	ALL	5	2013	YES
504313.2	4857819	4.82387	696.51	696.51	0	ANNUAL	ALL	5	2013	YES
504200	4857725	4.81687	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
504265.6	4857936	4.78955	694.7	694.7	0	ANNUAL	ALL	5	2013	YES
504025	4857725	4.77331	694.75	694.75	0	ANNUAL	ALL	5	2013	YES
503650	4858150	4.74685	687.26	687.26	0	ANNUAL	ALL	5	2011	YES
503975	4857775	4.74289	694.33	694.33	0	ANNUAL	ALL	5	2013	YES
504275	4857750	4.73632	696.17	696.17	0	ANNUAL	ALL	5	2013	YES
503925	4858175	4.73588	695.04	695.04	0	ANNUAL	ALL	5	2015	YES
504228.3	4857982	4.73455	693.41	693.41	0	ANNUAL	ALL	5	2013	YES
504125	4857700	4.73373	692.87	692.87	0	ANNUAL	ALL	5	2013	YES
503650	4858200	4.7193	686.01	686.01	0	ANNUAL	ALL	5	2011	YES
503650	4858175	4.71852	686.25	686.25	0	ANNUAL	ALL	5	2011	YES
504310.3	4857868	4.71257	695.75	695.75	0	ANNUAL	ALL	5	2013	YES
504300	4857775	4.70571	697.29	697.29	0	ANNUAL	ALL	5	2013	YES
504150	4857700	4.69102	693.07	693.07	0	ANNUAL	ALL	5	2013	YES
504025	4858125	4.68558	695.15	695.15	0	ANNUAL	ALL	5	2013	YES
504100	4857700	4.65015	693.98	693.98	0	ANNUAL	ALL	5	2013	YES
504314.7	4857795	4.62714	697.39	697.39	0	ANNUAL	ALL	5	2013	YES
504178.8	4858051	4.58282	694.27	694.27	0	ANNUAL	ALL	5	2013	YES
504050	4858125	4.57954	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
504225	4857725	4.56128	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
504325	4857825	4.54437	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504175	4857700	4.53055	694.87	694.87	0	ANNUAL	ALL	5	2013	YES
503900	4858200	4.51478	694.01	694.01	0	ANNUAL	ALL	5	2015	YES
503600	4858100	4.51334	689.01	689.01	0	ANNUAL	ALL	5	2012	YES
503625	4858125	4.51279	688.07	688.07	0	ANNUAL	ALL	5	2011	YES
504325	4857850	4.49422	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
503975	4858150	4.48648	695.9	695.9	0	ANNUAL	ALL	5	2013	YES
504325	4857800	4.45999	697.33	697.33	0	ANNUAL	ALL	5	2013	YES
504075	4858125	4.44371	694.78	694.78	0	ANNUAL	ALL	5	2013	YES
503650	4858025	4.43612	689.9	689.9	0	ANNUAL	ALL	5	2012	YES
504075	4857700	4.42594	694.85	694.85	0	ANNUAL	ALL	5	2013	YES
503625	4858150	4.40921	687.01	687.01	0	ANNUAL	ALL	5	2011	YES
504125	4858100	4.39029	694.23	694.23	0	ANNUAL	ALL	5	2013	YES
504317.9	4857775	4.38864	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
504150	4858075	4.37926	694.19	694.19	0	ANNUAL	ALL	5	2013	YES
504250	4857725	4.37268	696.61	696.61	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504300	4857750	4.36656	697.48	697.48	0	ANNUAL	ALL	5	2013	YES
504308.9	4857892	4.35777	696.01	696.01	0	ANNUAL	ALL	5	2013	YES
503625	4858050	4.33435	689.62	689.62	0	ANNUAL	ALL	5	2012	YES
503625	4858175	4.32378	685.41	685.41	0	ANNUAL	ALL	5	2011	YES
503625	4858200	4.30375	684.37	684.37	0	ANNUAL	ALL	5	2011	YES
504200	4857700	4.27734	695.72	695.72	0	ANNUAL	ALL	5	2013	YES
503600	4858125	4.26426	688.28	688.28	0	ANNUAL	ALL	5	2011	YES
504325	4857775	4.26403	698	698	0	ANNUAL	ALL	5	2013	YES
504282.3	4857936	4.23379	695.22	695.22	0	ANNUAL	ALL	5	2013	YES
504325	4857875	4.2322	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
504100	4858125	4.22391	694.68	694.68	0	ANNUAL	ALL	5	2013	YES
504275	4857725	4.19561	696.85	696.85	0	ANNUAL	ALL	5	2013	YES
503950	4858175	4.1768	695.92	695.92	0	ANNUAL	ALL	5	2013	YES
504250	4857975	4.1749	693.76	693.76	0	ANNUAL	ALL	5	2013	YES
503600	4858075	4.16246	689.63	689.63	0	ANNUAL	ALL	5	2012	YES
504275	4857950	4.13709	694.3	694.3	0	ANNUAL	ALL	5	2013	YES
504000	4858150	4.11315	696	696	0	ANNUAL	ALL	5	2013	YES
503925	4857775	4.10783	694.81	694.81	0	ANNUAL	ALL	5	2014	YES
503700	4858300	4.10735	690.62	690.62	0	ANNUAL	ALL	5	2015	YES
503925	4858200	4.10506	695.21	695.21	0	ANNUAL	ALL	5	2015	YES
503600	4858150	4.10234	687.14	687.14	0	ANNUAL	ALL	5	2011	YES
503575	4858125	4.08458	689.25	689.25	0	ANNUAL	ALL	5	2012	YES
504225	4857700	4.06229	696.42	696.42	0	ANNUAL	ALL	5	2013	YES
503921.1	4857777	4.05642	694.81	694.81	0	ANNUAL	ALL	5	2014	YES
504050	4857700	4.05579	695.27	695.27	0	ANNUAL	ALL	5	2013	YES
504226.4	4858005	4.05174	693.76	693.76	0	ANNUAL	ALL	5	2013	YES
504294.9	4857927	4.04952	695.78	695.78	0	ANNUAL	ALL	5	2013	YES
503600	4858175	4.04481	685.45	685.45	0	ANNUAL	ALL	5	2011	YES
504325	4857750	4.01083	698.7	698.7	0	ANNUAL	ALL	5	2013	YES
504350	4857800	4.0076	697.35	697.35	0	ANNUAL	ALL	5	2013	YES
503600	4858200	4.00682	683.98	683.98	0	ANNUAL	ALL	5	2011	YES
504350	4857825	3.99727	696.79	696.79	0	ANNUAL	ALL	5	2013	YES
504300	4857725	3.98314	697.41	697.41	0	ANNUAL	ALL	5	2013	YES
504300	4857925	3.96422	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504150	4857675	3.95337	694.13	694.13	0	ANNUAL	ALL	5	2013	YES
504307.4	4857917	3.94358	695.99	695.99	0	ANNUAL	ALL	5	2013	YES
503600	4858300	3.93755	688.34	689.69	0	ANNUAL	ALL	5	2011	YES
503575	4858150	3.93721	688.08	688.08	0	ANNUAL	ALL	5	2011	YES
503575	4858100	3.92549	689.81	689.81	0	ANNUAL	ALL	5	2012	YES
504125	4858125	3.92171	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504350	4857850	3.90418	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504025	4858150	3.90318	695.95	695.95	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504350	4857775	3.89315	698	698	0	ANNUAL	ALL	5	2013	YES
504000	4857725	3.89079	694.99	694.99	0	ANNUAL	ALL	5	2014	YES
504150	4858100	3.88425	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
503975	4858175	3.88091	696.11	696.11	0	ANNUAL	ALL	5	2013	YES
504175	4857675	3.87389	695.09	695.09	0	ANNUAL	ALL	5	2013	YES
504250	4857700	3.85873	697.11	697.11	0	ANNUAL	ALL	5	2013	YES
504125	4857675	3.85675	694.83	694.83	0	ANNUAL	ALL	5	2013	YES
504325	4857900	3.85472	696.13	696.13	0	ANNUAL	ALL	5	2013	YES
503575	4858175	3.82964	686.51	686.51	0	ANNUAL	ALL	5	2011	YES
504175	4858075	3.81027	694.67	694.67	0	ANNUAL	ALL	5	2013	YES
503550	4858150	3.79949	689.54	689.54	0	ANNUAL	ALL	5	2011	YES
503575	4858200	3.79291	684.89	684.89	0	ANNUAL	ALL	5	2011	YES
504050	4858150	3.77951	695.86	695.86	0	ANNUAL	ALL	5	2013	YES
503550	4858175	3.72482	688.28	689.03	0	ANNUAL	ALL	5	2011	YES
503975	4857750	3.71545	694.62	694.62	0	ANNUAL	ALL	5	2011	YES
504275	4857700	3.71454	697.25	697.25	0	ANNUAL	ALL	5	2013	YES
504350	4857750	3.70856	698.99	698.99	0	ANNUAL	ALL	5	2013	YES
504075	4858150	3.70827	695.74	695.74	0	ANNUAL	ALL	5	2013	YES
503950	4858200	3.69993	695.81	695.81	0	ANNUAL	ALL	5	2013	YES
503550	4858125	3.699	690.08	690.08	0	ANNUAL	ALL	5	2012	YES
504325	4857725	3.68247	699.08	699.08	0	ANNUAL	ALL	5	2013	YES
504350	4857875	3.68145	696.25	696.25	0	ANNUAL	ALL	5	2013	YES
503666.4	4857993	3.68011	691.26	691.26	0	ANNUAL	ALL	5	2012	YES
504200.6	4858051	3.66292	694.57	694.57	0	ANNUAL	ALL	5	2013	YES
504200	4857675	3.64542	696.39	696.39	0	ANNUAL	ALL	5	2013	YES
503550	4858200	3.63198	686.39	690.12	0	ANNUAL	ALL	5	2011	YES
504100	4858150	3.61947	695.32	695.32	0	ANNUAL	ALL	5	2013	YES
504000	4858175	3.61694	696.21	696.21	0	ANNUAL	ALL	5	2013	YES
503800	4858300	3.60735	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
504100	4857675	3.59939	695.38	695.38	0	ANNUAL	ALL	5	2013	YES
504025	4857700	3.58146	695.34	695.34	0	ANNUAL	ALL	5	2014	YES
504300	4857950	3.56783	694.88	694.88	0	ANNUAL	ALL	5	2013	YES
504225	4858025	3.55944	694.35	694.35	0	ANNUAL	ALL	5	2013	YES
504300	4857700	3.55801	697.91	697.91	0	ANNUAL	ALL	5	2013	YES
504225	4857675	3.55684	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
504375	4857775	3.55615	697.86	697.86	0	ANNUAL	ALL	5	2013	YES
504375	4857800	3.55557	698.01	698.01	0	ANNUAL	ALL	5	2013	YES
504150	4858125	3.5425	694.79	694.79	0	ANNUAL	ALL	5	2013	YES
504375	4857825	3.49301	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
504125	4858150	3.48504	695.11	695.11	0	ANNUAL	ALL	5	2013	YES
504275	4857975	3.48388	693.88	693.88	0	ANNUAL	ALL	5	2013	YES
504224.4	4858028	3.47983	694.42	694.42	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504025	4858175	3.45299	696.32	696.32	0	ANNUAL	ALL	5	2013	YES
504325	4857925	3.45068	695.94	695.94	0	ANNUAL	ALL	5	2013	YES
504175	4858100	3.44396	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
503975	4858200	3.44316	696.04	696.04	0	ANNUAL	ALL	5	2013	YES
504350	4857725	3.44094	699.86	699.86	0	ANNUAL	ALL	5	2013	YES
503500	4858200	3.43416	690.42	690.42	0	ANNUAL	ALL	5	2011	YES
504250	4857675	3.4314	697.6	697.6	0	ANNUAL	ALL	5	2013	YES
504375	4857750	3.4167	699.06	699.06	0	ANNUAL	ALL	5	2013	YES
503900	4857775	3.40455	694.98	694.98	0	ANNUAL	ALL	5	2014	YES
504375	4857850	3.39696	697.5	697.5	0	ANNUAL	ALL	5	2013	YES
504250	4858000	3.37025	693.95	693.95	0	ANNUAL	ALL	5	2013	YES
504075	4857675	3.36817	695.94	695.94	0	ANNUAL	ALL	5	2013	YES
504350	4857900	3.35966	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
504325	4857700	3.35777	699.22	699.22	0	ANNUAL	ALL	5	2013	YES
504050	4858175	3.33552	696.18	696.18	0	ANNUAL	ALL	5	2013	YES
503896.3	4857777	3.33004	694.97	694.97	0	ANNUAL	ALL	5	2014	YES
503950	4857750	3.32831	695.08	695.08	0	ANNUAL	ALL	5	2011	YES
504200	4858075	3.30403	695.08	695.08	0	ANNUAL	ALL	5	2013	YES
504275	4857675	3.30294	697.87	697.87	0	ANNUAL	ALL	5	2013	YES
503575	4858075	3.30022	690.21	690.21	0	ANNUAL	ALL	5	2012	YES
504075	4858175	3.27776	695.96	695.96	0	ANNUAL	ALL	5	2013	YES
503550	4858100	3.27651	690.49	690.49	0	ANNUAL	ALL	5	2012	YES
504150	4858150	3.26003	695	695	0	ANNUAL	ALL	5	2013	YES
504000	4858200	3.2588	696.17	696.17	0	ANNUAL	ALL	5	2013	YES
503600	4858050	3.23249	689.97	689.97	0	ANNUAL	ALL	5	2012	YES
503500	4858300	3.22655	683.98	690.52	0	ANNUAL	ALL	5	2011	YES
504100	4858175	3.21361	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504375	4857875	3.20847	697.15	697.15	0	ANNUAL	ALL	5	2013	YES
504375	4857725	3.19724	700.53	700.53	0	ANNUAL	ALL	5	2013	YES
504350	4857700	3.17267	700.05	700.05	0	ANNUAL	ALL	5	2013	YES
504300	4857675	3.17057	698.35	698.35	0	ANNUAL	ALL	5	2013	YES
504400	4857775	3.15345	699.21	699.21	0	ANNUAL	ALL	5	2013	YES
503975	4857725	3.1378	695.18	695.18	0	ANNUAL	ALL	5	2011	YES
504400	4857800	3.13675	699.11	699.11	0	ANNUAL	ALL	5	2013	YES
504175	4858125	3.13405	695.15	695.15	0	ANNUAL	ALL	5	2013	YES
504025	4858200	3.12799	696.35	696.35	0	ANNUAL	ALL	5	2013	YES
504325	4857950	3.11609	695.21	695.21	0	ANNUAL	ALL	5	2013	YES
504400	4857750	3.10726	699.63	699.63	0	ANNUAL	ALL	5	2013	YES
504050	4857675	3.0924	696.02	696.02	0	ANNUAL	ALL	5	2014	YES
504000	4857700	3.085	695.53	695.53	0	ANNUAL	ALL	5	2014	YES
503625	4858025	3.08358	689.91	689.91	0	ANNUAL	ALL	5	2012	YES
504125	4858175	3.0759	695.65	695.65	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504400	4857825	3.07464	698.88	698.88	0	ANNUAL	ALL	5	2013	YES
503650	4858000	3.07216	690.63	690.63	0	ANNUAL	ALL	5	2012	YES
504222.5	4858051	3.07046	694.86	694.86	0	ANNUAL	ALL	5	2013	YES
504350	4857925	3.05885	695.88	695.88	0	ANNUAL	ALL	5	2013	YES
504300	4857975	3.05144	694.18	694.18	0	ANNUAL	ALL	5	2013	YES
504325	4857675	3.04914	698.89	698.89	0	ANNUAL	ALL	5	2013	YES
503925	4857750	3.04132	695.26	695.26	0	ANNUAL	ALL	5	2011	YES
504225	4858050	3.03198	694.87	694.87	0	ANNUAL	ALL	5	2013	YES
504050	4858200	2.99804	696.37	696.37	0	ANNUAL	ALL	5	2013	YES
504375	4857700	2.98782	700.75	700.75	0	ANNUAL	ALL	5	2013	YES
504400	4857850	2.97787	698.37	698.37	0	ANNUAL	ALL	5	2013	YES
503900	4858300	2.97618	693.58	693.58	0	ANNUAL	ALL	5	2013	YES
504400	4857725	2.97513	700.73	700.73	0	ANNUAL	ALL	5	2013	YES
504200	4858100	2.97153	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
504375	4857900	2.96992	696.64	696.64	0	ANNUAL	ALL	5	2013	YES
504175	4858150	2.9567	695.07	695.07	0	ANNUAL	ALL	5	2013	YES
504075	4858200	2.94169	696.28	696.28	0	ANNUAL	ALL	5	2013	YES
503600	4858400	2.93079	687.38	690.04	0	ANNUAL	ALL	5	2013	YES
503400	4858300	2.91075	690.68	690.68	0	ANNUAL	ALL	5	2011	YES
504025	4857675	2.90659	695.76	695.76	0	ANNUAL	ALL	5	2014	YES
504350	4857675	2.9059	700.08	700.08	0	ANNUAL	ALL	5	2013	YES
504150	4858175	2.90461	695.49	695.49	0	ANNUAL	ALL	5	2013	YES
504275	4858000	2.90451	694.07	694.07	0	ANNUAL	ALL	5	2013	YES
504100	4858200	2.90402	696.08	696.08	0	ANNUAL	ALL	5	2013	YES
503667.2	4857969	2.86264	691.82	691.82	0	ANNUAL	ALL	5	2011	YES
504250	4858025	2.84987	694.49	694.49	0	ANNUAL	ALL	5	2013	YES
504425	4857775	2.83277	700.03	700.03	0	ANNUAL	ALL	5	2013	YES
503700	4858400	2.82723	690.38	690.38	0	ANNUAL	ALL	5	2013	YES
504400	4857875	2.82185	697.86	697.86	0	ANNUAL	ALL	5	2013	YES
504400	4857700	2.82145	701.09	701.09	0	ANNUAL	ALL	5	2013	YES
504425	4857750	2.81378	700.41	700.41	0	ANNUAL	ALL	5	2013	YES
504125	4858200	2.79763	695.89	695.89	0	ANNUAL	ALL	5	2013	YES
504425	4857800	2.79141	700.02	700.02	0	ANNUAL	ALL	5	2013	YES
504225	4858075	2.77247	695.43	695.43	0	ANNUAL	ALL	5	2013	YES
504375	4857675	2.77184	700.78	700.78	0	ANNUAL	ALL	5	2013	YES
504200	4858125	2.76203	695.6	695.6	0	ANNUAL	ALL	5	2013	YES
504425	4857825	2.75233	699.42	699.42	0	ANNUAL	ALL	5	2013	YES
504425	4857725	2.74917	701.02	701.02	0	ANNUAL	ALL	5	2013	YES
504175	4858175	2.74773	695.24	695.24	0	ANNUAL	ALL	5	2013	YES
503875	4857775	2.74328	695.02	695.02	0	ANNUAL	ALL	5	2011	YES
503871.5	4857777	2.73244	694.97	694.97	0	ANNUAL	ALL	5	2011	YES
504375	4857925	2.73021	696.03	696.03	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504350	4857950	2.72874	695.37	695.37	0	ANNUAL	ALL	5	2013	YES
503950	4857725	2.71521	695.46	695.46	0	ANNUAL	ALL	5	2011	YES
503550	4858075	2.70513	690.85	690.85	0	ANNUAL	ALL	5	2012	YES
504325	4857975	2.70399	694.59	694.59	0	ANNUAL	ALL	5	2013	YES
504150	4858200	2.66676	695.84	695.84	0	ANNUAL	ALL	5	2013	YES
504425	4857850	2.65855	698.71	698.71	0	ANNUAL	ALL	5	2013	YES
503500	4858400	2.65527	681.51	681.51	0	ANNUAL	ALL	5	2011	YES
503900	4857750	2.65358	695.42	695.42	0	ANNUAL	ALL	5	2011	YES
504425	4857700	2.64213	701.48	701.48	0	ANNUAL	ALL	5	2013	YES
504400	4857675	2.63793	701.32	701.32	0	ANNUAL	ALL	5	2013	YES
504400	4857900	2.6365	697.18	697.18	0	ANNUAL	ALL	5	2013	YES
503975	4857700	2.62086	695.67	695.67	0	ANNUAL	ALL	5	2014	YES
504225	4858100	2.61677	695.87	695.87	0	ANNUAL	ALL	5	2013	YES
504250	4858050	2.60163	695.14	695.14	0	ANNUAL	ALL	5	2013	YES
504200	4858150	2.60081	695.45	695.45	0	ANNUAL	ALL	5	2013	YES
503575	4858050	2.59035	690.58	690.58	0	ANNUAL	ALL	5	2012	YES
504300	4858000	2.58155	694.26	694.26	0	ANNUAL	ALL	5	2013	YES
504000	4857675	2.56965	695.95	695.95	0	ANNUAL	ALL	5	2014	YES
503400	4858400	2.56491	683.63	690.43	0	ANNUAL	ALL	5	2011	YES
503800	4858400	2.52872	690.8	690.8	0	ANNUAL	ALL	5	2013	YES
504175	4858200	2.5272	695.56	695.56	0	ANNUAL	ALL	5	2013	YES
504425	4857875	2.52108	698.23	698.23	0	ANNUAL	ALL	5	2013	YES
504275	4858025	2.52059	694.64	694.64	0	ANNUAL	ALL	5	2013	YES
503650	4857975	2.5137	691.4	691.4	0	ANNUAL	ALL	5	2011	YES
504425	4857675	2.50606	701.72	701.72	0	ANNUAL	ALL	5	2013	YES
503600	4858025	2.48755	690.42	690.42	0	ANNUAL	ALL	5	2012	YES
504225	4858125	2.47133	696.06	696.06	0	ANNUAL	ALL	5	2013	YES
503667.9	4857945	2.47018	692.42	692.42	0	ANNUAL	ALL	5	2011	YES
504200	4858175	2.46966	695.39	695.39	0	ANNUAL	ALL	5	2013	YES
503925	4857725	2.46832	695.63	695.63	0	ANNUAL	ALL	5	2011	YES
504375	4857950	2.44684	695.69	695.69	0	ANNUAL	ALL	5	2013	YES
504400	4857925	2.43476	696.6	696.6	0	ANNUAL	ALL	5	2013	YES
503625	4858000	2.43158	690.6	690.6	0	ANNUAL	ALL	5	2012	YES
503850	4857775	2.42469	694.86	694.86	0	ANNUAL	ALL	5	2011	YES
504350	4857975	2.42067	694.95	694.95	0	ANNUAL	ALL	5	2013	YES
504000	4858300	2.41935	695.17	695.17	0	ANNUAL	ALL	5	2013	YES
504250	4858075	2.41799	695.7	695.7	0	ANNUAL	ALL	5	2013	YES
504200	4857600	2.41439	695.86	695.86	0	ANNUAL	ALL	5	2013	YES
503846.7	4857777	2.40385	694.81	694.81	0	ANNUAL	ALL	5	2011	YES
503400	4858200	2.36779	691.2	691.2	0	ANNUAL	ALL	5	2012	YES
503500	4858100	2.36714	691.85	691.85	0	ANNUAL	ALL	5	2012	YES
504425	4857900	2.36446	697.7	697.7	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503950	4857700	2.35647	695.89	695.89	0	ANNUAL	ALL	5	2011	YES
503797.1	4857777	2.34202	694.43	694.43	0	ANNUAL	ALL	5	2013	YES
504225	4858150	2.3405	695.95	695.95	0	ANNUAL	ALL	5	2013	YES
504200	4858200	2.3366	695.47	695.47	0	ANNUAL	ALL	5	2013	YES
504325	4858000	2.33354	694.3	694.3	0	ANNUAL	ALL	5	2013	YES
503500	4858500	2.33041	686.96	686.96	0	ANNUAL	ALL	5	2013	YES
503800	4857775	2.32812	694.49	694.49	0	ANNUAL	ALL	5	2013	YES
504250	4858100	2.3091	696.16	696.16	0	ANNUAL	ALL	5	2013	YES
503875	4857750	2.28991	695.51	695.51	0	ANNUAL	ALL	5	2011	YES
503821.9	4857777	2.2881	694.63	694.63	0	ANNUAL	ALL	5	2013	YES
504300	4857600	2.28497	699.72	699.72	0	ANNUAL	ALL	5	2013	YES
503825	4857775	2.27665	694.68	694.68	0	ANNUAL	ALL	5	2011	YES
504300	4858025	2.26637	694.74	694.74	0	ANNUAL	ALL	5	2013	YES
503900	4857725	2.26385	695.8	695.8	0	ANNUAL	ALL	5	2011	YES
503975	4857675	2.25814	696.04	696.04	0	ANNUAL	ALL	5	2014	YES
504225	4858175	2.24205	695.81	695.81	0	ANNUAL	ALL	5	2013	YES
504275	4858050	2.22965	695.32	695.32	0	ANNUAL	ALL	5	2013	YES
504250	4858125	2.20483	696.59	696.59	0	ANNUAL	ALL	5	2013	YES
503900	4858400	2.20069	691.05	691.05	0	ANNUAL	ALL	5	2013	YES
503650	4857950	2.20022	692.48	692.48	0	ANNUAL	ALL	5	2011	YES
503668.7	4857921	2.20002	692.74	692.74	0	ANNUAL	ALL	5	2011	YES
503400	4858500	2.19945	685.25	685.25	0	ANNUAL	ALL	5	2011	YES
503550	4858050	2.19738	691.24	691.24	0	ANNUAL	ALL	5	2012	YES
504400	4857950	2.18438	696.26	696.26	0	ANNUAL	ALL	5	2013	YES
504425	4857925	2.18081	697.28	697.28	0	ANNUAL	ALL	5	2013	YES
503300	4858400	2.17994	683.56	691.2	0	ANNUAL	ALL	5	2011	YES
503925	4857700	2.16622	695.98	695.98	0	ANNUAL	ALL	5	2011	YES
503300	4858300	2.14753	690.18	690.18	0	ANNUAL	ALL	5	2011	YES
504225	4858200	2.14638	695.62	695.62	0	ANNUAL	ALL	5	2013	YES
503670.1	4857873	2.13797	692.87	692.87	0	ANNUAL	ALL	5	2011	YES
503850	4857750	2.12551	695.41	695.41	0	ANNUAL	ALL	5	2011	YES
504375	4857975	2.12456	695.38	695.38	0	ANNUAL	ALL	5	2013	YES
504275	4858075	2.12344	695.93	695.93	0	ANNUAL	ALL	5	2013	YES
503669.4	4857897	2.12185	692.88	692.88	0	ANNUAL	ALL	5	2011	YES
504350	4858000	2.11583	694.61	694.61	0	ANNUAL	ALL	5	2013	YES
504250	4858150	2.1089	696.56	696.56	0	ANNUAL	ALL	5	2013	YES
503575	4858025	2.10736	691	691	0	ANNUAL	ALL	5	2012	YES
503950	4857675	2.10083	696.14	696.14	0	ANNUAL	ALL	5	2011	YES
503875	4857725	2.0864	695.9	695.9	0	ANNUAL	ALL	5	2011	YES
503625	4857975	2.07609	691.49	691.49	0	ANNUAL	ALL	5	2011	YES
504100	4857600	2.07592	697.42	697.42	0	ANNUAL	ALL	5	2013	YES
504500	4857700	2.06834	703.89	703.89	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504325	4858025	2.06592	694.73	694.73	0	ANNUAL	ALL	5	2013	YES
503825	4857750	2.06234	695.18	695.18	0	ANNUAL	ALL	5	2011	YES
503600	4858000	2.05616	691.12	691.12	0	ANNUAL	ALL	5	2012	YES
504275	4858100	2.05449	696.45	696.45	0	ANNUAL	ALL	5	2013	YES
504100	4858300	2.04744	696.89	696.89	0	ANNUAL	ALL	5	2013	YES
504500	4857800	2.04172	702.37	702.37	0	ANNUAL	ALL	5	2013	YES
504400	4857600	2.03928	702.01	702.01	0	ANNUAL	ALL	5	2013	YES
504250	4858175	2.02889	696.22	696.22	0	ANNUAL	ALL	5	2013	YES
503650	4857925	1.99963	692.83	692.83	0	ANNUAL	ALL	5	2011	YES
504300	4858050	1.99936	695.41	695.41	0	ANNUAL	ALL	5	2013	YES
503900	4857700	1.99273	696.1	696.1	0	ANNUAL	ALL	5	2011	YES
503800	4857750	1.98193	694.76	694.76	0	ANNUAL	ALL	5	2013	YES
504000	4858400	1.98036	692.27	692.27	0	ANNUAL	ALL	5	2013	YES
503600	4858500	1.97584	683.17	690.26	0	ANNUAL	ALL	5	2013	YES
504275	4858125	1.97466	696.9	696.9	0	ANNUAL	ALL	5	2013	YES
503200	4858400	1.97324	691.4	691.4	0	ANNUAL	ALL	5	2011	YES
504425	4857950	1.97295	696.8	696.8	0	ANNUAL	ALL	5	2013	YES
503300	4858500	1.9637	679.48	690.82	0	ANNUAL	ALL	5	2011	YES
503500	4858600	1.9595	691.15	691.15	0	ANNUAL	ALL	5	2013	YES
504250	4858200	1.95359	695.9	695.9	0	ANNUAL	ALL	5	2013	YES
503775	4857775	1.93555	694.12	694.12	0	ANNUAL	ALL	5	2013	YES
504375	4858000	1.93538	694.85	694.85	0	ANNUAL	ALL	5	2013	YES
503850	4857725	1.9337	695.95	695.95	0	ANNUAL	ALL	5	2011	YES
503650	4857900	1.92872	692.71	692.71	0	ANNUAL	ALL	5	2011	YES
504400	4857975	1.92576	695.82	695.82	0	ANNUAL	ALL	5	2013	YES
503925	4857675	1.91844	696.24	696.24	0	ANNUAL	ALL	5	2011	YES
504300	4858075	1.901	696.06	696.06	0	ANNUAL	ALL	5	2013	YES
504275	4858150	1.90061	697.05	697.05	0	ANNUAL	ALL	5	2013	YES
504350	4858025	1.90056	694.64	694.64	0	ANNUAL	ALL	5	2013	YES
503625	4857950	1.87836	692.61	692.61	0	ANNUAL	ALL	5	2011	YES
503772.3	4857777	1.87366	694.04	694.04	0	ANNUAL	ALL	5	2013	YES
503200	4858500	1.86966	684.36	691.61	0	ANNUAL	ALL	5	2011	YES
503875	4857700	1.86113	696.08	696.08	0	ANNUAL	ALL	5	2011	YES
503670.9	4857850	1.85351	692.43	692.43	0	ANNUAL	ALL	5	2011	YES
503700	4858500	1.84852	684.79	684.79	0	ANNUAL	ALL	5	2013	YES
503650	4857875	1.84523	692.35	692.35	0	ANNUAL	ALL	5	2011	YES
504300	4858100	1.84326	696.65	696.65	0	ANNUAL	ALL	5	2013	YES
503550	4858025	1.83615	691.58	691.58	0	ANNUAL	ALL	5	2012	YES
504200	4858300	1.83592	696.38	696.38	0	ANNUAL	ALL	5	2013	YES
504275	4858175	1.83373	696.82	696.82	0	ANNUAL	ALL	5	2013	YES
504325	4858050	1.82808	695.36	695.36	0	ANNUAL	ALL	5	2013	YES
503825	4857725	1.80196	695.71	695.71	0	ANNUAL	ALL	5	2011	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503900	4857675	1.79916	696.14	696.14	0	ANNUAL	ALL	5	2011	YES
503600	4857975	1.79546	691.81	691.81	0	ANNUAL	ALL	5	2011	YES
503575	4858000	1.79155	691.61	691.61	0	ANNUAL	ALL	5	2012	YES
503300	4858600	1.78833	684.79	690.73	0	ANNUAL	ALL	5	2013	YES
504275	4858200	1.77875	696.42	696.42	0	ANNUAL	ALL	5	2013	YES
504300	4858125	1.77454	697.21	697.21	0	ANNUAL	ALL	5	2013	YES
503400	4858600	1.77275	683.47	691.45	0	ANNUAL	ALL	5	2013	YES
503600	4858600	1.75859	690.09	690.09	0	ANNUAL	ALL	5	2013	YES
504375	4858025	1.75755	694.7	694.7	0	ANNUAL	ALL	5	2013	YES
503625	4857925	1.7572	692.3	692.3	0	ANNUAL	ALL	5	2011	YES
504425	4857975	1.75211	696.21	696.21	0	ANNUAL	ALL	5	2013	YES
504100	4858400	1.75019	694.02	694.02	0	ANNUAL	ALL	5	2013	YES
503100	4858500	1.74869	690.54	690.54	0	ANNUAL	ALL	5	2011	YES
504500	4857600	1.74754	705.69	705.69	0	ANNUAL	ALL	5	2013	YES
504500	4857900	1.73811	700.12	700.12	0	ANNUAL	ALL	5	2013	YES
504350	4858050	1.73712	695.26	695.26	0	ANNUAL	ALL	5	2013	YES
503800	4858500	1.72751	685.7	690.27	0	ANNUAL	ALL	5	2013	YES
504400	4858000	1.72494	695.29	695.29	0	ANNUAL	ALL	5	2013	YES
504325	4858075	1.72358	696.07	696.07	0	ANNUAL	ALL	5	2013	YES
504300	4858150	1.7155	697.45	697.45	0	ANNUAL	ALL	5	2013	YES
503850	4857700	1.70481	696.15	696.15	0	ANNUAL	ALL	5	2011	YES
503200	4858700	1.67379	690.6	690.6	0	ANNUAL	ALL	5	2013	YES
503875	4857675	1.67291	695.99	695.99	0	ANNUAL	ALL	5	2011	YES
504325	4858100	1.66903	696.78	696.78	0	ANNUAL	ALL	5	2013	YES
504000	4857600	1.6682	696.98	696.98	0	ANNUAL	ALL	5	2014	YES
503800	4857725	1.66501	695.13	695.13	0	ANNUAL	ALL	5	2011	YES
504300	4858175	1.66498	697.34	697.34	0	ANNUAL	ALL	5	2013	YES
503600	4857950	1.65807	692.28	692.28	0	ANNUAL	ALL	5	2011	YES
503775	4857750	1.65662	694.27	694.27	0	ANNUAL	ALL	5	2013	YES
503625	4857900	1.65487	691.16	691.16	0	ANNUAL	ALL	5	2011	YES
503300	4858700	1.64381	688.8	689.64	0	ANNUAL	ALL	5	2013	YES
503200	4858600	1.63909	681.34	690.28	0	ANNUAL	ALL	5	2011	YES
504375	4858050	1.63406	695.01	695.01	0	ANNUAL	ALL	5	2013	YES
503700	4858600	1.63201	690.05	690.05	0	ANNUAL	ALL	5	2013	YES
504400	4858025	1.62833	694.94	694.94	0	ANNUAL	ALL	5	2013	YES
504200	4858400	1.62043	693.7	693.7	0	ANNUAL	ALL	5	2013	YES
504300	4858200	1.61649	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
504325	4858125	1.61158	697.45	697.45	0	ANNUAL	ALL	5	2013	YES
503400	4858700	1.60996	689.45	689.45	0	ANNUAL	ALL	5	2013	YES
503575	4857975	1.5953	692.02	692.02	0	ANNUAL	ALL	5	2011	YES
503550	4858000	1.5876	691.95	691.95	0	ANNUAL	ALL	5	2012	YES
504350	4858075	1.58448	695.99	695.99	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503200	4858300	1.57179	691.56	691.56	0	ANNUAL	ALL	5	2012	YES
503650	4857850	1.56588	691.55	691.55	0	ANNUAL	ALL	5	2011	YES
503825	4857700	1.56563	696.1	696.1	0	ANNUAL	ALL	5	2011	YES
504425	4858000	1.56517	695.98	695.98	0	ANNUAL	ALL	5	2013	YES
504325	4858150	1.55844	697.81	697.81	0	ANNUAL	ALL	5	2013	YES
503300	4858200	1.55842	691.47	691.47	0	ANNUAL	ALL	5	2012	YES
503600	4857925	1.54577	692.28	692.28	0	ANNUAL	ALL	5	2011	YES
503850	4857675	1.54527	695.99	695.99	0	ANNUAL	ALL	5	2011	YES
503900	4858500	1.54082	686.29	691.81	0	ANNUAL	ALL	5	2013	YES
504350	4858100	1.52681	696.8	696.8	0	ANNUAL	ALL	5	2013	YES
504400	4858050	1.52265	695.03	695.03	0	ANNUAL	ALL	5	2013	YES
504325	4858175	1.51526	697.9	697.9	0	ANNUAL	ALL	5	2013	YES
503750	4857775	1.50998	693.62	693.62	0	ANNUAL	ALL	5	2011	YES
503625	4857875	1.50742	691.21	691.21	0	ANNUAL	ALL	5	2011	YES
503747.5	4857777	1.50489	693.55	693.55	0	ANNUAL	ALL	5	2011	YES
503800	4858600	1.50421	689.38	689.78	0	ANNUAL	ALL	5	2013	YES
503100	4858400	1.49711	690.67	690.67	0	ANNUAL	ALL	5	2011	YES
503775	4857725	1.49003	694.47	694.47	0	ANNUAL	ALL	5	2011	YES
504600	4857700	1.48841	707.54	707.54	0	ANNUAL	ALL	5	2013	YES
503000	4858700	1.48811	690.07	690.07	0	ANNUAL	ALL	5	2011	YES
503671.6	4857826	1.48385	692.33	692.33	0	ANNUAL	ALL	5	2011	YES
504375	4858075	1.48026	695.83	695.83	0	ANNUAL	ALL	5	2013	YES
503575	4857950	1.47903	692.39	692.39	0	ANNUAL	ALL	5	2011	YES
504350	4858125	1.47596	697.58	697.58	0	ANNUAL	ALL	5	2013	YES
504325	4858200	1.47167	697.77	697.77	0	ANNUAL	ALL	5	2013	YES
503100	4858600	1.46865	677.56	691.59	0	ANNUAL	ALL	5	2011	YES
504425	4858025	1.46781	695.29	695.29	0	ANNUAL	ALL	5	2013	YES
504400	4857500	1.46711	702.12	702.12	0	ANNUAL	ALL	5	2013	YES
504000	4858500	1.46685	687.5	687.5	0	ANNUAL	ALL	5	2013	YES
503400	4858100	1.45471	692.54	692.54	0	ANNUAL	ALL	5	2012	YES
503800	4857700	1.44527	695.42	695.42	0	ANNUAL	ALL	5	2011	YES
503200	4858800	1.43746	690.63	690.63	0	ANNUAL	ALL	5	2013	YES
504600	4857800	1.43398	704.3	704.3	0	ANNUAL	ALL	5	2013	YES
504300	4857500	1.43371	702.02	702.02	0	ANNUAL	ALL	5	2013	YES
503500	4858700	1.43301	687.22	689.49	0	ANNUAL	ALL	5	2013	YES
503600	4857900	1.43096	691.54	691.54	0	ANNUAL	ALL	5	2011	YES
503550	4857975	1.42896	692.23	692.23	0	ANNUAL	ALL	5	2011	YES
504100	4858500	1.42829	688.72	688.72	0	ANNUAL	ALL	5	2013	YES
504350	4858150	1.42418	698.16	698.16	0	ANNUAL	ALL	5	2013	YES
503100	4858700	1.41976	683.93	690.91	0	ANNUAL	ALL	5	2011	YES
503600	4858700	1.41428	690.9	690.9	0	ANNUAL	ALL	5	2013	YES
504375	4858100	1.41174	696.71	696.71	0	ANNUAL	ALL	5	2013	YES

Nunhems USA, Inc.
Parma, ID Facility

NAAQS Receptor List

10/27/2016

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504425	4858050	1.41128	695.13	695.13	0	ANNUAL	ALL	5	2013	YES
503825	4857675	1.39633	696.03	696.03	0	ANNUAL	ALL	5	2011	YES
503722.7	4857778	1.39176	693.28	693.28	0	ANNUAL	ALL	5	2014	YES
504400	4858075	1.38777	695.63	695.63	0	ANNUAL	ALL	5	2013	YES
503725	4857775	1.38257	693.4	693.4	0	ANNUAL	ALL	5	2014	YES
503750	4857750	1.38116	694.03	694.03	0	ANNUAL	ALL	5	2011	YES
504350	4858175	1.38067	698.46	698.46	0	ANNUAL	ALL	5	2013	YES
504200	4857500	1.3805	700.44	701.55	0	ANNUAL	ALL	5	2014	YES
503300	4858800	1.37905	689.78	689.78	0	ANNUAL	ALL	5	2013	YES
503775	4857700	1.37303	694.48	694.48	0	ANNUAL	ALL	5	2011	YES
503575	4857925	1.36903	692.47	692.47	0	ANNUAL	ALL	5	2011	YES
503100	4858800	1.36611	688.45	688.45	0	ANNUAL	ALL	5	2013	YES
504375	4858125	1.36071	697.59	697.59	0	ANNUAL	ALL	5	2013	YES
504600	4857600	1.35914	710.54	726.25	0	ANNUAL	ALL	5	2013	YES
504300	4858300	1.35564	698.65	698.65	0	ANNUAL	ALL	5	2013	YES
503900	4857600	1.35425	695.98	695.98	0	ANNUAL	ALL	5	2011	YES
503000	4858800	1.35075	690.9	690.9	0	ANNUAL	ALL	5	2011	YES
503700	4858700	1.34879	692.1	692.1	0	ANNUAL	ALL	5	2013	YES
504200	4858500	1.34597	689.46	689.46	0	ANNUAL	ALL	5	2013	YES
503650	4857825	1.34396	691.8	691.8	0	ANNUAL	ALL	5	2011	YES
503900	4858600	1.34366	689.32	689.67	0	ANNUAL	ALL	5	2013	YES
503400	4858800	1.34048	691.9	691.9	0	ANNUAL	ALL	5	2013	YES
503625	4857850	1.34001	691.33	691.33	0	ANNUAL	ALL	5	2011	YES
504350	4858200	1.3384	698.61	698.61	0	ANNUAL	ALL	5	2013	YES
503800	4857675	1.32984	695.19	695.19	0	ANNUAL	ALL	5	2011	YES
503550	4857950	1.32978	692.38	692.38	0	ANNUAL	ALL	5	2011	YES
502900	4858700	1.32446	689.2	690.07	0	ANNUAL	ALL	5	2011	YES
504400	4858100	1.31848	696.48	696.48	0	ANNUAL	ALL	5	2013	YES
504375	4858150	1.31101	698.4	698.4	0	ANNUAL	ALL	5	2013	YES
503600	4857875	1.30276	691.37	691.37	0	ANNUAL	ALL	5	2011	YES
504425	4858075	1.30262	695.55	695.55	0	ANNUAL	ALL	5	2013	YES
503750	4857725	1.29571	694.15	694.15	0	ANNUAL	ALL	5	2011	YES
502900	4858800	1.29338	691.01	691.01	0	ANNUAL	ALL	5	2011	YES
503672.4	4857802	1.28749	692.68	692.68	0	ANNUAL	ALL	5	2011	YES
503697.9	4857778	1.28339	693.26	693.26	0	ANNUAL	ALL	5	2014	YES
503700	4857775	1.28253	693.3	693.3	0	ANNUAL	ALL	5	2014	YES
503000	4858600	1.28165	676.56	691.59	0	ANNUAL	ALL	5	2011	YES
503000	4858500	1.28142	685.33	691.59	0	ANNUAL	ALL	5	2011	YES
503500	4858000	1.27649	692.67	692.67	0	ANNUAL	ALL	5	2012	YES
504500	4857500	1.27012	707.48	726.7	0	ANNUAL	ALL	5	2013	YES
504375	4858175	1.26866	698.89	698.89	0	ANNUAL	ALL	5	2013	YES
504400	4858125	1.26768	697.53	697.53	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503775	4857675	1.26387	694.32	694.32	0	ANNUAL	ALL	5	2011	YES
503800	4858700	1.26365	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
504500	4858000	1.2593	697.09	697.09	0	ANNUAL	ALL	5	2013	YES
503575	4857900	1.24821	692.44	692.44	0	ANNUAL	ALL	5	2011	YES
504100	4858600	1.24692	692.32	692.32	0	ANNUAL	ALL	5	2013	YES
504300	4858400	1.24541	696.6	696.6	0	ANNUAL	ALL	5	2013	YES
503725	4857750	1.24471	693.78	693.78	0	ANNUAL	ALL	5	2014	YES
504000	4858600	1.2428	688.74	688.74	0	ANNUAL	ALL	5	2013	YES
503750	4857700	1.24037	694.18	694.18	0	ANNUAL	ALL	5	2011	YES
504425	4858100	1.23566	696.33	696.33	0	ANNUAL	ALL	5	2013	YES
503000	4858900	1.23145	691.46	691.46	0	ANNUAL	ALL	5	2013	YES
503550	4857925	1.22727	692.43	692.43	0	ANNUAL	ALL	5	2011	YES
504375	4858200	1.22369	699.36	699.36	0	ANNUAL	ALL	5	2013	YES
503100	4858900	1.22195	690.04	690.04	0	ANNUAL	ALL	5	2013	YES
504400	4858150	1.21733	698.45	698.45	0	ANNUAL	ALL	5	2013	YES
503200	4858900	1.21674	692.31	692.31	0	ANNUAL	ALL	5	2013	YES
503600	4857850	1.21425	691.54	691.54	0	ANNUAL	ALL	5	2013	YES
503625	4857825	1.20904	691.62	691.62	0	ANNUAL	ALL	5	2013	YES
504100	4857500	1.20672	699.94	699.94	0	ANNUAL	ALL	5	2013	YES
504600	4857900	1.20434	703.73	703.73	0	ANNUAL	ALL	5	2013	YES
503500	4858800	1.20103	689.01	689.01	0	ANNUAL	ALL	5	2013	YES
503650	4857800	1.19867	692.48	692.48	0	ANNUAL	ALL	5	2011	YES
502800	4858800	1.19209	690.87	690.87	0	ANNUAL	ALL	5	2011	YES
504425	4858125	1.18855	697.37	697.37	0	ANNUAL	ALL	5	2013	YES
503673.1	4857778	1.17839	693.15	693.15	0	ANNUAL	ALL	5	2014	YES
503675	4857775	1.17554	693.2	693.2	0	ANNUAL	ALL	5	2014	YES
503575	4857875	1.17355	692.18	692.18	0	ANNUAL	ALL	5	2013	YES
504400	4858175	1.17239	699.21	699.21	0	ANNUAL	ALL	5	2013	YES
503300	4858900	1.16385	692.62	692.62	0	ANNUAL	ALL	5	2013	YES
503750	4857675	1.16208	694.18	694.18	0	ANNUAL	ALL	5	2011	YES
503700	4857750	1.16162	693.73	693.73	0	ANNUAL	ALL	5	2014	YES
502900	4858900	1.15978	690.58	690.58	0	ANNUAL	ALL	5	2011	YES
503600	4858800	1.15722	694.09	694.09	0	ANNUAL	ALL	5	2013	YES
503725	4857725	1.15007	694.04	694.04	0	ANNUAL	ALL	5	2014	YES
503900	4858700	1.14254	692.1	692.1	0	ANNUAL	ALL	5	2013	YES
504425	4858150	1.13837	698.43	698.43	0	ANNUAL	ALL	5	2013	YES
504300	4858500	1.13055	695.97	695.97	0	ANNUAL	ALL	5	2013	YES
503600	4857825	1.12983	691.82	691.82	0	ANNUAL	ALL	5	2013	YES
504400	4858200	1.12781	699.94	699.94	0	ANNUAL	ALL	5	2013	YES
503100	4858300	1.12454	689.69	689.69	0	ANNUAL	ALL	5	2012	YES
503575	4857850	1.11766	692.04	692.04	0	ANNUAL	ALL	5	2013	YES
503550	4857900	1.11424	692.6	692.6	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
503625	4857800	1.11044	692.33	692.33	0	ANNUAL	ALL	5	2013	YES
503200	4858200	1.10493	691.82	691.82	0	ANNUAL	ALL	5	2012	YES
503725	4857700	1.09697	694.12	694.12	0	ANNUAL	ALL	5	2011	YES
502800	4858700	1.09601	686.12	691.99	0	ANNUAL	ALL	5	2011	YES
503675	4857750	1.09148	693.58	693.58	0	ANNUAL	ALL	5	2014	YES
504425	4858175	1.09139	699.44	699.44	0	ANNUAL	ALL	5	2013	YES
504000	4858700	1.08981	691.41	691.41	0	ANNUAL	ALL	5	2013	YES
503650	4857775	1.08742	693.06	693.06	0	ANNUAL	ALL	5	2011	YES
504000	4857500	1.08504	698.32	698.32	0	ANNUAL	ALL	5	2014	YES
503000	4859000	1.08073	692.11	692.11	0	ANNUAL	ALL	5	2013	YES
503700	4858800	1.08	694.6	694.6	0	ANNUAL	ALL	5	2013	YES
502900	4858600	1.07412	676.01	691.02	0	ANNUAL	ALL	5	2011	YES
503550	4857875	1.07083	692.51	692.51	0	ANNUAL	ALL	5	2013	YES
504700	4857700	1.06586	712.79	726.8	0	ANNUAL	ALL	5	2013	YES
503100	4859000	1.0652	692.21	692.21	0	ANNUAL	ALL	5	2013	YES
502900	4859000	1.06428	690.66	690.66	0	ANNUAL	ALL	5	2013	YES
504600	4857500	1.0641	716.69	726.67	0	ANNUAL	ALL	5	2013	YES
503700	4857725	1.06336	694	694	0	ANNUAL	ALL	5	2014	YES
504100	4858700	1.06004	690.74	697.23	0	ANNUAL	ALL	5	2013	YES
503575	4857825	1.05979	692.08	692.08	0	ANNUAL	ALL	5	2013	YES
504200	4858600	1.0597	696.54	696.54	0	ANNUAL	ALL	5	2013	YES
502700	4858900	1.05952	691.66	691.66	0	ANNUAL	ALL	5	2011	YES
503725	4857675	1.05237	694.29	694.29	0	ANNUAL	ALL	5	2011	YES
504425	4858200	1.04852	700.3	700.3	0	ANNUAL	ALL	5	2013	YES
504500	4858100	1.04744	696.08	696.08	0	ANNUAL	ALL	5	2013	YES
503600	4857800	1.04552	692.24	692.24	0	ANNUAL	ALL	5	2013	YES
503800	4857600	1.03686	695.48	695.48	0	ANNUAL	ALL	5	2011	YES
503400	4858900	1.03596	696.3	696.3	0	ANNUAL	ALL	5	2013	YES
502900	4858500	1.02955	686.5	686.5	0	ANNUAL	ALL	5	2011	YES
503000	4858400	1.02762	684.75	689.56	0	ANNUAL	ALL	5	2012	YES
504400	4857400	1.02604	703.29	727.1	0	ANNUAL	ALL	5	2013	YES
504300	4858600	1.02576	694.86	694.86	0	ANNUAL	ALL	5	2013	YES
503550	4857850	1.02237	692.48	692.48	0	ANNUAL	ALL	5	2013	YES
503650	4857750	1.01834	693.51	693.51	0	ANNUAL	ALL	5	2014	YES
503625	4857775	1.01406	692.91	692.91	0	ANNUAL	ALL	5	2011	YES
502800	4858900	1.01033	683.62	691.13	0	ANNUAL	ALL	5	2011	YES
503300	4858100	1.01003	692.37	692.37	0	ANNUAL	ALL	5	2012	YES
503800	4858800	1.00991	694.69	694.69	0	ANNUAL	ALL	5	2013	YES
503500	4858900	1.00743	689.56	696.67	0	ANNUAL	ALL	5	2013	YES
504700	4857600	1.00548	717.75	726.66	0	ANNUAL	ALL	5	2013	YES
503200	4859000	1.00296	694.2	694.2	0	ANNUAL	ALL	5	2013	YES
504700	4857800	1.0006	708.71	708.71	0	ANNUAL	ALL	5	2013	YES

Scenario 2, Annual NO2

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	.GRF file met year	NAAQS Receptor?
504000.5	4858044		691.45	691.45						
503990.5	4858044		691.42	691.42						
504000.5	4858039		691.35	691.35						
503990.5	4858039		691.31	691.31						
504195	4857770		696.29	696.29						
504195	4857775		696.25	696.25						
504205	4857770		696.36	696.36						
504205	4857775		696.31	696.31						
504198.9	4857771		696.33	696.33						
504188.9	4857771		696.24	696.24						
504198.9	4857776		696.27	696.27						
504188.9	4857776		696.21	696.21						
503967	4858045		691.4	691.4						
503967	4858040		691.23	691.23						
503977	4858045		691.44	691.44						
503977	4858040		691.26	691.26						
504213.7	4857771		696.32	696.32						
504213.7	4857776		696.29	696.29						
504223.7	4857771		696.19	696.19						
504223.7	4857776		696.13	696.13						
504220	4857770		696.25	696.25						
504220	4857775		696.2	696.2						
504230	4857770		696.07	696.07						
504230	4857775		696.02	696.02						
504170	4857770		696.14	696.14						
504170	4857775		696.08	696.08						
504180	4857770		696.21	696.21						
504180	4857775		696.16	696.16						
504164	4857771		696.07	696.07						
504164	4857776		696.02	696.02						
504174	4857771		696.16	696.16						
504174	4857776		696.11	696.11						

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503673.1	4857778	2.00887	693.2	693.2	0	24-Hr	All	1st	YES
503697.9	4857778	2.02023	693.3	693.3	0	24-Hr	All	1st	YES
503722.7	4857778	2.11104	693.3	693.3	0	24-Hr	All	1st	YES
503747.5	4857777	2.15843	693.6	693.6	0	24-Hr	All	1st	YES
503772.3	4857777	2.13784	694	694	0	24-Hr	All	1st	YES
503797.1	4857777	2.28224	694.4	694.4	0	24-Hr	All	1st	YES
503821.9	4857777	2.55322	694.6	694.6	0	24-Hr	All	1st	YES
503846.7	4857777	2.7689	694.8	694.8	0	24-Hr	All	1st	YES
503871.5	4857777	2.8114	695	695	0	24-Hr	All	1st	YES
503896.3	4857777	3.25169	695	695	0	24-Hr	All	1st	YES
503921.1	4857777	3.96561	694.8	694.8	0	24-Hr	All	1st	YES
503945.9	4857777	4.24889	694.6	694.6	0	24-Hr	All	1st	YES
503970.7	4857777	4.31967	694.5	694.5	0	24-Hr	All	1st	YES
503995.5	4857777	6.46444	693.5	693.5	0	24-Hr	All	1st	YES
504020.3	4857776	5.85613	693.3	693.3	0	24-Hr	All	1st	YES
504045.1	4857776	7.13774	692.9	692.9	0	24-Hr	All	1st	YES
504069.9	4857776	8.18596	692.5	692.5	0	24-Hr	All	1st	YES
504094.7	4857776	7.72017	693.4	693.4	0	24-Hr	All	1st	YES
504119.5	4857776	8.73212	694.8	694.8	0	24-Hr	All	1st	YES
504144.3	4857776	8.47401	695.7	695.7	0	24-Hr	All	1st	YES
504169.1	4857776	8.85699	696.1	696.1	0	24-Hr	All	1st	YES
504193.9	4857776	9.34811	696.2	696.2	0	24-Hr	All	1st	YES
504218.7	4857776	9.44337	696.2	696.2	0	24-Hr	All	1st	YES
504243.5	4857776	8.49547	695.8	695.8	0	24-Hr	All	1st	YES
504268.3	4857775	7.15067	695.7	695.7	0	24-Hr	All	1st	YES
504293.1	4857775	6.47416	696.9	696.9	0	24-Hr	All	1st	YES
504317.9	4857775	5.70335	697.9	697.9	0	24-Hr	All	1st	YES
504314.7	4857795	5.93991	697.4	697.4	0	24-Hr	All	1st	YES
504313.2	4857819	6.37876	696.5	696.5	0	24-Hr	All	1st	YES
504311.8	4857844	6.3366	695.8	695.8	0	24-Hr	All	1st	YES
504310.3	4857868	7.72715	695.8	695.8	0	24-Hr	All	1st	YES
504308.9	4857892	8.40376	696	696	0	24-Hr	All	1st	YES
504307.4	4857917	7.81797	696	696	0	24-Hr	All	1st	YES
504294.9	4857927	7.96992	695.8	695.8	0	24-Hr	All	1st	YES
504282.3	4857936	8.00946	695.2	695.2	0	24-Hr	All	1st	YES
504265.6	4857936	8.61551	694.7	694.7	0	24-Hr	All	1st	YES
504248.9	4857936	9.97315	694.2	694.2	0	24-Hr	All	1st	YES
504232.2	4857935	14.58651	693.5	693.5	0	24-Hr	All	1st	YES
504230.2	4857959	13.61785	693.3	693.3	0	24-Hr	All	1st	YES
504228.3	4857982	12.58253	693.4	693.4	0	24-Hr	All	1st	YES
504226.4	4858005	9.80134	693.8	693.8	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504224.4	4858028	7.36071	694.4	694.4	0	24-Hr	All	1st	YES
504222.5	4858051	6.24256	694.9	694.9	0	24-Hr	All	1st	YES
504200.6	4858051	8.68465	694.6	694.6	0	24-Hr	All	1st	YES
504178.8	4858051	11.83955	694.3	694.3	0	24-Hr	All	1st	YES
504156.9	4858051	12.40121	693.7	693.7	0	24-Hr	All	1st	YES
504135.1	4858051	11.34471	693.4	693.4	0	24-Hr	All	1st	YES
504113.2	4858051	11.33758	693	693	0	24-Hr	All	1st	YES
504091.4	4858051	10.09156	692.7	692.7	0	24-Hr	All	1st	YES
504089.8	4858033	12.64581	692.2	692.2	0	24-Hr	All	1st	YES
504066.2	4858035	12.6984	691.9	691.9	0	24-Hr	All	1st	YES
504042.7	4858036	10.91624	691.7	691.7	0	24-Hr	All	1st	YES
504019.1	4858037	13.34394	691.5	691.5	0	24-Hr	All	1st	YES
503995.5	4858039	12.88156	691.3	691.3	0	24-Hr	All	1st	YES
503972	4858040	12.69927	691.2	691.2	0	24-Hr	All	1st	YES
503948.4	4858041	13.1816	691.1	691.1	0	24-Hr	All	1st	YES
503924.8	4858043	12.13758	690.7	690.7	0	24-Hr	All	1st	YES
503901.3	4858044	10.12818	690.2	690.2	0	24-Hr	All	1st	YES
503878.2	4858049	8.83047	690	690	0	24-Hr	All	1st	YES
503855	4858053	8.36643	689.9	689.9	0	24-Hr	All	1st	YES
503831.9	4858058	7.88453	689.7	689.7	0	24-Hr	All	1st	YES
503808.8	4858063	7.2855	689.6	689.6	0	24-Hr	All	1st	YES
503785.7	4858068	6.77318	689.4	689.4	0	24-Hr	All	1st	YES
503762.6	4858072	6.29963	689.1	689.1	0	24-Hr	All	1st	YES
503739.5	4858077	5.57317	688.9	688.9	0	24-Hr	All	1st	YES
503720.6	4858074	4.65811	689	689	0	24-Hr	All	1st	YES
503701.8	4858071	4.66483	689.7	689.7	0	24-Hr	All	1st	YES
503683	4858068	4.4185	690.4	690.4	0	24-Hr	All	1st	YES
503664.2	4858065	4.10061	690.3	690.3	0	24-Hr	All	1st	YES
503665	4858041	4.15686	690.6	690.6	0	24-Hr	All	1st	YES
503665.7	4858017	3.85067	690.8	690.8	0	24-Hr	All	1st	YES
503666.4	4857993	3.07565	691.3	691.3	0	24-Hr	All	1st	YES
503667.2	4857969	2.5328	691.8	691.8	0	24-Hr	All	1st	YES
503667.9	4857945	2.59877	692.4	692.4	0	24-Hr	All	1st	YES
503668.7	4857921	2.65503	692.7	692.7	0	24-Hr	All	1st	YES
503669.4	4857897	2.4022	692.9	692.9	0	24-Hr	All	1st	YES
503670.1	4857873	2.33568	692.9	692.9	0	24-Hr	All	1st	YES
503670.9	4857850	2.28653	692.4	692.4	0	24-Hr	All	1st	YES
503671.6	4857826	2.24577	692.3	692.3	0	24-Hr	All	1st	YES
503672.4	4857802	2.18199	692.7	692.7	0	24-Hr	All	1st	YES
503550	4857675	1.91721	694.1	694.1	0	24-Hr	All	1st	YES
503575	4857675	1.902	694.2	694.2	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503600	4857675	1.8182	694.4	694.4	0	24-Hr	All	1st	YES
503625	4857675	1.70836	694.4	694.4	0	24-Hr	All	1st	YES
503650	4857675	1.59282	694.4	694.4	0	24-Hr	All	1st	YES
503675	4857675	1.49296	694.5	694.5	0	24-Hr	All	1st	YES
503700	4857675	1.84187	694.5	694.5	0	24-Hr	All	1st	YES
503725	4857675	2.12528	694.3	694.3	0	24-Hr	All	1st	YES
503750	4857675	2.25784	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857675	2.31235	694.3	694.3	0	24-Hr	All	1st	YES
503800	4857675	2.38187	695.2	695.2	0	24-Hr	All	1st	YES
503825	4857675	2.46917	696	696	0	24-Hr	All	1st	YES
503850	4857675	2.58242	696	696	0	24-Hr	All	1st	YES
503875	4857675	2.89254	696	696	0	24-Hr	All	1st	YES
503900	4857675	3.30085	696.1	696.1	0	24-Hr	All	1st	YES
503925	4857675	3.49551	696.2	696.2	0	24-Hr	All	1st	YES
503950	4857675	3.07999	696.1	696.1	0	24-Hr	All	1st	YES
503975	4857675	2.90087	696	696	0	24-Hr	All	1st	YES
504000	4857675	4.13198	696	696	0	24-Hr	All	1st	YES
504025	4857675	4.35851	695.8	695.8	0	24-Hr	All	1st	YES
504050	4857675	4.61005	696	696	0	24-Hr	All	1st	YES
504075	4857675	4.0166	695.9	695.9	0	24-Hr	All	1st	YES
504100	4857675	4.33623	695.4	695.4	0	24-Hr	All	1st	YES
504125	4857675	5.5786	694.8	694.8	0	24-Hr	All	1st	YES
504150	4857675	5.34348	694.1	694.1	0	24-Hr	All	1st	YES
504175	4857675	5.0652	695.1	695.1	0	24-Hr	All	1st	YES
504200	4857675	5.06762	696.4	696.4	0	24-Hr	All	1st	YES
504225	4857675	3.82329	697.1	697.1	0	24-Hr	All	1st	YES
504250	4857675	3.69283	697.6	697.6	0	24-Hr	All	1st	YES
504275	4857675	4.01608	697.9	697.9	0	24-Hr	All	1st	YES
504300	4857675	4.20592	698.4	698.4	0	24-Hr	All	1st	YES
504325	4857675	4.14019	698.9	698.9	0	24-Hr	All	1st	YES
504350	4857675	3.98508	700.1	700.1	0	24-Hr	All	1st	YES
504375	4857675	3.97074	700.8	700.8	0	24-Hr	All	1st	YES
504400	4857675	3.81738	701.3	701.3	0	24-Hr	All	1st	YES
504425	4857675	3.75496	701.7	701.7	0	24-Hr	All	1st	YES
503550	4857700	1.80035	693.7	693.7	0	24-Hr	All	1st	YES
503575	4857700	1.91449	693.9	693.9	0	24-Hr	All	1st	YES
503600	4857700	1.97277	694	694	0	24-Hr	All	1st	YES
503625	4857700	1.97977	694.1	694.1	0	24-Hr	All	1st	YES
503650	4857700	1.88872	694.2	694.2	0	24-Hr	All	1st	YES
503675	4857700	1.78444	694.3	694.3	0	24-Hr	All	1st	YES
503700	4857700	1.66191	694.3	694.3	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503725	4857700	1.7955	694.1	694.1	0	24-Hr	All	1st	YES
503750	4857700	2.16394	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857700	2.39418	694.5	694.5	0	24-Hr	All	1st	YES
503800	4857700	2.41123	695.4	695.4	0	24-Hr	All	1st	YES
503825	4857700	2.36431	696.1	696.1	0	24-Hr	All	1st	YES
503850	4857700	2.54962	696.2	696.2	0	24-Hr	All	1st	YES
503875	4857700	2.79709	696.1	696.1	0	24-Hr	All	1st	YES
503900	4857700	3.08837	696.1	696.1	0	24-Hr	All	1st	YES
503925	4857700	3.681	696	696	0	24-Hr	All	1st	YES
503950	4857700	3.85091	695.9	695.9	0	24-Hr	All	1st	YES
503975	4857700	3.26526	695.7	695.7	0	24-Hr	All	1st	YES
504000	4857700	3.95196	695.5	695.5	0	24-Hr	All	1st	YES
504025	4857700	5.01644	695.3	695.3	0	24-Hr	All	1st	YES
504050	4857700	5.00243	695.3	695.3	0	24-Hr	All	1st	YES
504075	4857700	4.30533	694.9	694.9	0	24-Hr	All	1st	YES
504100	4857700	4.9599	694	694	0	24-Hr	All	1st	YES
504125	4857700	6.26679	692.9	692.9	0	24-Hr	All	1st	YES
504150	4857700	5.71083	693.1	693.1	0	24-Hr	All	1st	YES
504175	4857700	5.58492	694.9	694.9	0	24-Hr	All	1st	YES
504200	4857700	5.1507	695.7	695.7	0	24-Hr	All	1st	YES
504225	4857700	4.30916	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857700	4.66075	697.1	697.1	0	24-Hr	All	1st	YES
504275	4857700	5.02859	697.3	697.3	0	24-Hr	All	1st	YES
504300	4857700	4.643	697.9	697.9	0	24-Hr	All	1st	YES
504325	4857700	4.64534	699.2	699.2	0	24-Hr	All	1st	YES
504350	4857700	4.56232	700.1	700.1	0	24-Hr	All	1st	YES
504375	4857700	4.33263	700.8	700.8	0	24-Hr	All	1st	YES
504400	4857700	4.15579	701.1	701.1	0	24-Hr	All	1st	YES
504425	4857700	3.94248	701.5	701.5	0	24-Hr	All	1st	YES
503550	4857725	1.73029	693.5	693.5	0	24-Hr	All	1st	YES
503575	4857725	1.79606	693.5	693.5	0	24-Hr	All	1st	YES
503600	4857725	1.84859	693.7	693.7	0	24-Hr	All	1st	YES
503625	4857725	1.97353	693.7	693.7	0	24-Hr	All	1st	YES
503650	4857725	2.04005	693.9	693.9	0	24-Hr	All	1st	YES
503675	4857725	2.03242	694	694	0	24-Hr	All	1st	YES
503700	4857725	1.95694	694	694	0	24-Hr	All	1st	YES
503725	4857725	1.85568	694	694	0	24-Hr	All	1st	YES
503750	4857725	1.98071	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857725	2.26104	694.5	694.5	0	24-Hr	All	1st	YES
503800	4857725	2.47194	695.1	695.1	0	24-Hr	All	1st	YES
503825	4857725	2.41376	695.7	695.7	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503850	4857725	2.53322	696	696	0	24-Hr	All	1st	YES
503875	4857725	2.89263	695.9	695.9	0	24-Hr	All	1st	YES
503900	4857725	3.12708	695.8	695.8	0	24-Hr	All	1st	YES
503925	4857725	3.42943	695.6	695.6	0	24-Hr	All	1st	YES
503950	4857725	4.19829	695.5	695.5	0	24-Hr	All	1st	YES
503975	4857725	4.26716	695.2	695.2	0	24-Hr	All	1st	YES
504000	4857725	3.71748	695	695	0	24-Hr	All	1st	YES
504025	4857725	5.43736	694.8	694.8	0	24-Hr	All	1st	YES
504050	4857725	5.2432	694.5	694.5	0	24-Hr	All	1st	YES
504075	4857725	4.96147	693.4	693.4	0	24-Hr	All	1st	YES
504100	4857725	5.71884	692.7	692.7	0	24-Hr	All	1st	YES
504125	4857725	6.81287	692.9	692.9	0	24-Hr	All	1st	YES
504150	4857725	6.1189	694.5	694.5	0	24-Hr	All	1st	YES
504175	4857725	6.31511	695.5	695.5	0	24-Hr	All	1st	YES
504200	4857725	5.09152	696	696	0	24-Hr	All	1st	YES
504225	4857725	5.59188	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857725	6.01118	696.6	696.6	0	24-Hr	All	1st	YES
504275	4857725	5.61455	696.9	696.9	0	24-Hr	All	1st	YES
504300	4857725	5.71032	697.4	697.4	0	24-Hr	All	1st	YES
504325	4857725	5.30458	699.1	699.1	0	24-Hr	All	1st	YES
504350	4857725	4.97692	699.9	699.9	0	24-Hr	All	1st	YES
504375	4857725	4.53621	700.5	700.5	0	24-Hr	All	1st	YES
504400	4857725	4.3086	700.7	700.7	0	24-Hr	All	1st	YES
504425	4857725	4.10628	701	701	0	24-Hr	All	1st	YES
503550	4857750	1.78197	693	693	0	24-Hr	All	1st	YES
503575	4857750	1.74441	693.1	693.1	0	24-Hr	All	1st	YES
503600	4857750	1.79026	693.2	693.2	0	24-Hr	All	1st	YES
503625	4857750	1.85355	693.4	693.4	0	24-Hr	All	1st	YES
503650	4857750	1.92698	693.5	693.5	0	24-Hr	All	1st	YES
503675	4857750	2.03118	693.6	693.6	0	24-Hr	All	1st	YES
503700	4857750	2.09667	693.7	693.7	0	24-Hr	All	1st	YES
503725	4857750	2.0873	693.8	693.8	0	24-Hr	All	1st	YES
503750	4857750	1.99807	694	694	0	24-Hr	All	1st	YES
503775	4857750	2.16296	694.3	694.3	0	24-Hr	All	1st	YES
503800	4857750	2.31792	694.8	694.8	0	24-Hr	All	1st	YES
503825	4857750	2.43354	695.2	695.2	0	24-Hr	All	1st	YES
503850	4857750	2.58639	695.4	695.4	0	24-Hr	All	1st	YES
503875	4857750	2.91383	695.5	695.5	0	24-Hr	All	1st	YES
503900	4857750	3.3898	695.4	695.4	0	24-Hr	All	1st	YES
503925	4857750	3.53736	695.3	695.3	0	24-Hr	All	1st	YES
503950	4857750	3.84419	695.1	695.1	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503975	4857750	4.84935	694.6	694.6	0	24-Hr	All	1st	YES
504000	4857750	4.84009	694.5	694.5	0	24-Hr	All	1st	YES
504025	4857750	5.22565	694.1	694.1	0	24-Hr	All	1st	YES
504050	4857750	6.4831	693.2	693.2	0	24-Hr	All	1st	YES
504075	4857750	5.93758	692.6	692.6	0	24-Hr	All	1st	YES
504100	4857750	6.88584	693	693	0	24-Hr	All	1st	YES
504125	4857750	7.84737	694.5	694.5	0	24-Hr	All	1st	YES
504150	4857750	6.69886	695.7	695.7	0	24-Hr	All	1st	YES
504175	4857750	6.31564	696.1	696.1	0	24-Hr	All	1st	YES
504200	4857750	6.95096	696.3	696.3	0	24-Hr	All	1st	YES
504225	4857750	7.27231	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857750	6.94564	695.9	695.9	0	24-Hr	All	1st	YES
504275	4857750	7.00538	696.2	696.2	0	24-Hr	All	1st	YES
504300	4857750	6.14932	697.5	697.5	0	24-Hr	All	1st	YES
504325	4857750	5.39765	698.7	698.7	0	24-Hr	All	1st	YES
504350	4857750	5.10824	699	699	0	24-Hr	All	1st	YES
504375	4857750	4.75673	699.1	699.1	0	24-Hr	All	1st	YES
504400	4857750	4.23023	699.6	699.6	0	24-Hr	All	1st	YES
504425	4857750	3.65364	700.4	700.4	0	24-Hr	All	1st	YES
503550	4857775	1.95891	692.7	692.7	0	24-Hr	All	1st	YES
503575	4857775	1.99098	692.6	692.6	0	24-Hr	All	1st	YES
503600	4857775	2.00402	692.7	692.7	0	24-Hr	All	1st	YES
503625	4857775	1.99955	692.9	692.9	0	24-Hr	All	1st	YES
503650	4857775	1.96894	693.1	693.1	0	24-Hr	All	1st	YES
503675	4857775	1.97511	693.2	693.2	0	24-Hr	All	1st	YES
503700	4857775	2.01536	693.3	693.3	0	24-Hr	All	1st	YES
503725	4857775	2.10775	693.4	693.4	0	24-Hr	All	1st	YES
503750	4857775	2.15465	693.6	693.6	0	24-Hr	All	1st	YES
503775	4857775	2.11895	694.1	694.1	0	24-Hr	All	1st	YES
503800	4857775	2.31305	694.5	694.5	0	24-Hr	All	1st	YES
503825	4857775	2.58381	694.7	694.7	0	24-Hr	All	1st	YES
503850	4857775	2.76492	694.9	694.9	0	24-Hr	All	1st	YES
503875	4857775	2.83533	695	695	0	24-Hr	All	1st	YES
503900	4857775	3.4112	695	695	0	24-Hr	All	1st	YES
503925	4857775	4.01618	694.8	694.8	0	24-Hr	All	1st	YES
503950	4857775	4.20067	694.6	694.6	0	24-Hr	All	1st	YES
503975	4857775	4.36086	694.3	694.3	0	24-Hr	All	1st	YES
504000	4857775	5.66903	693.5	693.5	0	24-Hr	All	1st	YES
504025	4857775	5.7408	693.3	693.3	0	24-Hr	All	1st	YES
504050	4857775	7.59277	692.8	692.8	0	24-Hr	All	1st	YES
504075	4857775	7.59599	692.5	692.5	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504100	4857775	8.61319	693.8	693.8	0	24-Hr	All	1st	YES
504125	4857775	8.21744	695	695	0	24-Hr	All	1st	YES
504150	4857775	8.30703	695.9	695.9	0	24-Hr	All	1st	YES
504175	4857775	8.85382	696.1	696.1	0	24-Hr	All	1st	YES
504200	4857775	8.89397	696.3	696.3	0	24-Hr	All	1st	YES
504225	4857775	9.3686	696.1	696.1	0	24-Hr	All	1st	YES
504250	4857775	8.14491	695.7	695.7	0	24-Hr	All	1st	YES
504275	4857775	6.88664	695.9	695.9	0	24-Hr	All	1st	YES
504300	4857775	6.26156	697.3	697.3	0	24-Hr	All	1st	YES
504325	4857775	5.48718	698	698	0	24-Hr	All	1st	YES
504350	4857775	4.74749	698	698	0	24-Hr	All	1st	YES
504375	4857775	4.44419	697.9	697.9	0	24-Hr	All	1st	YES
504400	4857775	3.98237	699.2	699.2	0	24-Hr	All	1st	YES
504425	4857775	3.6589	700	700	0	24-Hr	All	1st	YES
503550	4857800	2.07537	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857800	2.08817	692.2	692.2	0	24-Hr	All	1st	YES
503600	4857800	2.08095	692.2	692.2	0	24-Hr	All	1st	YES
503625	4857800	2.11619	692.3	692.3	0	24-Hr	All	1st	YES
503650	4857800	2.14634	692.5	692.5	0	24-Hr	All	1st	YES
504325	4857800	5.86913	697.3	697.3	0	24-Hr	All	1st	YES
504350	4857800	5.31696	697.4	697.4	0	24-Hr	All	1st	YES
504375	4857800	4.78198	698	698	0	24-Hr	All	1st	YES
504400	4857800	4.22209	699.1	699.1	0	24-Hr	All	1st	YES
504425	4857800	3.77656	700	700	0	24-Hr	All	1st	YES
503550	4857825	2.00344	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857825	2.09914	692.1	692.1	0	24-Hr	All	1st	YES
503600	4857825	2.16438	691.8	691.8	0	24-Hr	All	1st	YES
503625	4857825	2.22246	691.6	691.6	0	24-Hr	All	1st	YES
503650	4857825	2.24928	691.8	691.8	0	24-Hr	All	1st	YES
504325	4857825	5.88929	696.4	696.4	0	24-Hr	All	1st	YES
504350	4857825	5.20173	696.8	696.8	0	24-Hr	All	1st	YES
504375	4857825	4.64183	697.9	697.9	0	24-Hr	All	1st	YES
504400	4857825	4.16221	698.9	698.9	0	24-Hr	All	1st	YES
504425	4857825	3.86194	699.4	699.4	0	24-Hr	All	1st	YES
503550	4857850	2.07203	692.5	692.5	0	24-Hr	All	1st	YES
503575	4857850	2.07201	692	692	0	24-Hr	All	1st	YES
503600	4857850	2.04282	691.5	691.5	0	24-Hr	All	1st	YES
503625	4857850	2.06135	691.3	691.3	0	24-Hr	All	1st	YES
503650	4857850	2.19534	691.6	691.6	0	24-Hr	All	1st	YES
504325	4857850	6.20317	695.8	695.8	0	24-Hr	All	1st	YES
504350	4857850	5.55023	696.4	696.4	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4857850	4.99202	697.5	697.5	0	24-Hr	All	1st	YES
504400	4857850	4.53287	698.4	698.4	0	24-Hr	All	1st	YES
504425	4857850	4.28647	698.7	698.7	0	24-Hr	All	1st	YES
503550	4857875	2.10692	692.5	692.5	0	24-Hr	All	1st	YES
503575	4857875	2.189	692.2	692.2	0	24-Hr	All	1st	YES
503600	4857875	2.26769	691.4	691.4	0	24-Hr	All	1st	YES
503625	4857875	2.32032	691.2	691.2	0	24-Hr	All	1st	YES
503650	4857875	2.34771	692.4	692.4	0	24-Hr	All	1st	YES
504325	4857875	7.56019	696	696	0	24-Hr	All	1st	YES
504350	4857875	6.72759	696.3	696.3	0	24-Hr	All	1st	YES
504375	4857875	5.97345	697.2	697.2	0	24-Hr	All	1st	YES
504400	4857875	5.32513	697.9	697.9	0	24-Hr	All	1st	YES
504425	4857875	4.78374	698.2	698.2	0	24-Hr	All	1st	YES
503550	4857900	2.05717	692.6	692.6	0	24-Hr	All	1st	YES
503575	4857900	2.13032	692.4	692.4	0	24-Hr	All	1st	YES
503600	4857900	2.20902	691.5	691.5	0	24-Hr	All	1st	YES
503625	4857900	2.32882	691.2	691.2	0	24-Hr	All	1st	YES
503650	4857900	2.40386	692.7	692.7	0	24-Hr	All	1st	YES
504325	4857900	7.73845	696.1	696.1	0	24-Hr	All	1st	YES
504350	4857900	7.01776	696.4	696.4	0	24-Hr	All	1st	YES
504375	4857900	6.35685	696.6	696.6	0	24-Hr	All	1st	YES
504400	4857900	5.68854	697.2	697.2	0	24-Hr	All	1st	YES
504425	4857900	5.11004	697.7	697.7	0	24-Hr	All	1st	YES
503550	4857925	2.13658	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857925	2.22164	692.5	692.5	0	24-Hr	All	1st	YES
503600	4857925	2.33015	692.3	692.3	0	24-Hr	All	1st	YES
503625	4857925	2.44197	692.3	692.3	0	24-Hr	All	1st	YES
503650	4857925	2.55712	692.8	692.8	0	24-Hr	All	1st	YES
504300	4857925	7.85272	695.8	695.8	0	24-Hr	All	1st	YES
504325	4857925	7.09091	695.9	695.9	0	24-Hr	All	1st	YES
504350	4857925	6.51753	695.9	695.9	0	24-Hr	All	1st	YES
504375	4857925	6.00619	696	696	0	24-Hr	All	1st	YES
504400	4857925	5.51646	696.6	696.6	0	24-Hr	All	1st	YES
504425	4857925	5.11542	697.3	697.3	0	24-Hr	All	1st	YES
503550	4857950	1.98772	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857950	2.05447	692.4	692.4	0	24-Hr	All	1st	YES
503600	4857950	2.11919	692.3	692.3	0	24-Hr	All	1st	YES
503625	4857950	2.2417	692.6	692.6	0	24-Hr	All	1st	YES
503650	4857950	2.41346	692.5	692.5	0	24-Hr	All	1st	YES
504250	4857950	9.83318	693.9	693.9	0	24-Hr	All	1st	YES
504275	4857950	7.95014	694.3	694.3	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504300	4857950	7.12172	694.9	694.9	0	24-Hr	All	1st	YES
504325	4857950	6.62441	695.2	695.2	0	24-Hr	All	1st	YES
504350	4857950	6.26058	695.4	695.4	0	24-Hr	All	1st	YES
504375	4857950	5.85638	695.7	695.7	0	24-Hr	All	1st	YES
504400	4857950	5.43577	696.3	696.3	0	24-Hr	All	1st	YES
504425	4857950	5.07977	696.8	696.8	0	24-Hr	All	1st	YES
503550	4857975	1.86027	692.2	692.2	0	24-Hr	All	1st	YES
503575	4857975	1.94526	692	692	0	24-Hr	All	1st	YES
503600	4857975	2.07112	691.8	691.8	0	24-Hr	All	1st	YES
503625	4857975	2.23168	691.5	691.5	0	24-Hr	All	1st	YES
503650	4857975	2.39736	691.4	691.4	0	24-Hr	All	1st	YES
504250	4857975	9.61658	693.8	693.8	0	24-Hr	All	1st	YES
504275	4857975	7.80448	693.9	693.9	0	24-Hr	All	1st	YES
504300	4857975	6.67	694.2	694.2	0	24-Hr	All	1st	YES
504325	4857975	5.97945	694.6	694.6	0	24-Hr	All	1st	YES
504350	4857975	5.60999	695	695	0	24-Hr	All	1st	YES
504375	4857975	5.45972	695.4	695.4	0	24-Hr	All	1st	YES
504400	4857975	5.26161	695.8	695.8	0	24-Hr	All	1st	YES
504425	4857975	5.05826	696.2	696.2	0	24-Hr	All	1st	YES
503550	4858000	2.15805	692	692	0	24-Hr	All	1st	YES
503575	4858000	2.32221	691.6	691.6	0	24-Hr	All	1st	YES
503600	4858000	2.4748	691.1	691.1	0	24-Hr	All	1st	YES
503625	4858000	2.67108	690.6	690.6	0	24-Hr	All	1st	YES
503650	4858000	2.91678	690.6	690.6	0	24-Hr	All	1st	YES
504250	4858000	8.08813	694	694	0	24-Hr	All	1st	YES
504275	4858000	6.54431	694.1	694.1	0	24-Hr	All	1st	YES
504300	4858000	5.98362	694.3	694.3	0	24-Hr	All	1st	YES
504325	4858000	5.31327	694.3	694.3	0	24-Hr	All	1st	YES
504350	4858000	4.80589	694.6	694.6	0	24-Hr	All	1st	YES
504375	4858000	4.47257	694.9	694.9	0	24-Hr	All	1st	YES
504400	4858000	4.38301	695.3	695.3	0	24-Hr	All	1st	YES
504425	4858000	4.28481	696	696	0	24-Hr	All	1st	YES
503550	4858025	2.48334	691.6	691.6	0	24-Hr	All	1st	YES
503575	4858025	2.65378	691	691	0	24-Hr	All	1st	YES
503600	4858025	2.83315	690.4	690.4	0	24-Hr	All	1st	YES
503625	4858025	3.14112	689.9	689.9	0	24-Hr	All	1st	YES
503650	4858025	3.54994	689.9	689.9	0	24-Hr	All	1st	YES
504225	4858025	7.61066	694.4	694.4	0	24-Hr	All	1st	YES
504250	4858025	6.26006	694.5	694.5	0	24-Hr	All	1st	YES
504275	4858025	6.17014	694.6	694.6	0	24-Hr	All	1st	YES
504300	4858025	5.20657	694.7	694.7	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504325	4858025	4.42068	694.7	694.7	0	24-Hr	All	1st	YES
504350	4858025	4.12574	694.6	694.6	0	24-Hr	All	1st	YES
504375	4858025	3.72978	694.7	694.7	0	24-Hr	All	1st	YES
504400	4858025	3.61351	694.9	694.9	0	24-Hr	All	1st	YES
504425	4858025	3.63298	695.3	695.3	0	24-Hr	All	1st	YES
503550	4858050	2.91563	691.2	691.2	0	24-Hr	All	1st	YES
503575	4858050	3.15678	690.6	690.6	0	24-Hr	All	1st	YES
503600	4858050	3.47056	690	690	0	24-Hr	All	1st	YES
503625	4858050	3.71511	689.6	689.6	0	24-Hr	All	1st	YES
503650	4858050	3.94173	689.8	689.8	0	24-Hr	All	1st	YES
503875	4858050	8.73098	690	690	0	24-Hr	All	1st	YES
503900	4858050	10.18683	690.4	690.4	0	24-Hr	All	1st	YES
503925	4858050	12.12493	690.9	690.9	0	24-Hr	All	1st	YES
503950	4858050	12.04647	691.5	691.5	0	24-Hr	All	1st	YES
503975	4858050	11.68541	691.6	691.6	0	24-Hr	All	1st	YES
504000	4858050	11.82996	691.6	691.6	0	24-Hr	All	1st	YES
504025	4858050	10.22694	691.8	691.8	0	24-Hr	All	1st	YES
504050	4858050	9.49199	692.1	692.1	0	24-Hr	All	1st	YES
504075	4858050	9.51914	692.4	692.4	0	24-Hr	All	1st	YES
504225	4858050	5.99984	694.9	694.9	0	24-Hr	All	1st	YES
504250	4858050	5.25806	695.1	695.1	0	24-Hr	All	1st	YES
504275	4858050	4.89371	695.3	695.3	0	24-Hr	All	1st	YES
504300	4858050	4.94706	695.4	695.4	0	24-Hr	All	1st	YES
504325	4858050	4.31452	695.4	695.4	0	24-Hr	All	1st	YES
504350	4858050	3.56632	695.3	695.3	0	24-Hr	All	1st	YES
504375	4858050	3.30537	695	695	0	24-Hr	All	1st	YES
504400	4858050	3.12075	695	695	0	24-Hr	All	1st	YES
504425	4858050	3.04702	695.1	695.1	0	24-Hr	All	1st	YES
503550	4858075	3.3848	690.9	690.9	0	24-Hr	All	1st	YES
503575	4858075	3.54207	690.2	690.2	0	24-Hr	All	1st	YES
503600	4858075	3.65847	689.6	689.6	0	24-Hr	All	1st	YES
503625	4858075	3.74474	689.2	689.2	0	24-Hr	All	1st	YES
503650	4858075	3.92585	689.8	689.8	0	24-Hr	All	1st	YES
503675	4858075	4.3139	690.2	690.2	0	24-Hr	All	1st	YES
503700	4858075	4.59744	689.7	689.7	0	24-Hr	All	1st	YES
503725	4858075	4.89221	688.9	688.9	0	24-Hr	All	1st	YES
503750	4858075	5.94971	689	689	0	24-Hr	All	1st	YES
503775	4858075	6.66848	689.2	689.2	0	24-Hr	All	1st	YES
503800	4858075	7.13403	689.5	689.5	0	24-Hr	All	1st	YES
503825	4858075	7.60369	689.8	689.8	0	24-Hr	All	1st	YES
503850	4858075	7.93234	690.2	690.2	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503875	4858075	8.98968	690.8	690.8	0	24-Hr	All	1st	YES
503900	4858075	10.45208	691.3	691.3	0	24-Hr	All	1st	YES
503925	4858075	10.46815	691.9	691.9	0	24-Hr	All	1st	YES
503950	4858075	10.71865	692.3	692.3	0	24-Hr	All	1st	YES
503975	4858075	9.94429	692.6	692.6	0	24-Hr	All	1st	YES
504000	4858075	9.428	692.6	692.6	0	24-Hr	All	1st	YES
504025	4858075	8.13823	692.6	692.6	0	24-Hr	All	1st	YES
504050	4858075	7.86021	692.9	692.9	0	24-Hr	All	1st	YES
504075	4858075	7.9116	693.2	693.2	0	24-Hr	All	1st	YES
504100	4858075	8.11175	693.5	693.5	0	24-Hr	All	1st	YES
504125	4858075	7.50862	693.8	693.8	0	24-Hr	All	1st	YES
504150	4858075	8.16433	694.2	694.2	0	24-Hr	All	1st	YES
504175	4858075	7.43091	694.7	694.7	0	24-Hr	All	1st	YES
504200	4858075	7.48236	695.1	695.1	0	24-Hr	All	1st	YES
504225	4858075	6.23732	695.4	695.4	0	24-Hr	All	1st	YES
504250	4858075	4.93195	695.7	695.7	0	24-Hr	All	1st	YES
504275	4858075	4.44339	695.9	695.9	0	24-Hr	All	1st	YES
504300	4858075	4.12346	696.1	696.1	0	24-Hr	All	1st	YES
504325	4858075	4.28879	696.1	696.1	0	24-Hr	All	1st	YES
504350	4858075	3.816	696	696	0	24-Hr	All	1st	YES
504375	4858075	3.14982	695.8	695.8	0	24-Hr	All	1st	YES
504400	4858075	2.93711	695.6	695.6	0	24-Hr	All	1st	YES
504425	4858075	2.94265	695.6	695.6	0	24-Hr	All	1st	YES
503550	4858100	3.50794	690.5	690.5	0	24-Hr	All	1st	YES
503575	4858100	3.59263	689.8	689.8	0	24-Hr	All	1st	YES
503600	4858100	3.60534	689	689	0	24-Hr	All	1st	YES
503625	4858100	3.66135	688.8	688.8	0	24-Hr	All	1st	YES
503650	4858100	3.8514	689.5	689.5	0	24-Hr	All	1st	YES
503675	4858100	4.27306	689.8	689.8	0	24-Hr	All	1st	YES
503700	4858100	4.8526	689.1	689.1	0	24-Hr	All	1st	YES
503725	4858100	5.58936	688.8	688.8	0	24-Hr	All	1st	YES
503750	4858100	6.35667	688.8	688.8	0	24-Hr	All	1st	YES
503775	4858100	6.82199	689.2	689.2	0	24-Hr	All	1st	YES
503800	4858100	7.10639	689.7	689.7	0	24-Hr	All	1st	YES
503825	4858100	7.44376	690.2	690.2	0	24-Hr	All	1st	YES
503850	4858100	8.01439	690.8	690.8	0	24-Hr	All	1st	YES
503875	4858100	9.26431	691.5	691.5	0	24-Hr	All	1st	YES
503900	4858100	9.02001	692.2	692.2	0	24-Hr	All	1st	YES
503925	4858100	9.86897	692.9	692.9	0	24-Hr	All	1st	YES
503950	4858100	9.02554	693.4	693.4	0	24-Hr	All	1st	YES
503975	4858100	8.1933	693.8	693.8	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4858100	7.06727	693.8	693.8	0	24-Hr	All	1st	YES
504025	4858100	6.68175	693.8	693.8	0	24-Hr	All	1st	YES
504050	4858100	6.74187	693.8	693.8	0	24-Hr	All	1st	YES
504075	4858100	6.85921	694	694	0	24-Hr	All	1st	YES
504100	4858100	7.24154	694.1	694.1	0	24-Hr	All	1st	YES
504125	4858100	6.53758	694.2	694.2	0	24-Hr	All	1st	YES
504150	4858100	6.2929	694.6	694.6	0	24-Hr	All	1st	YES
504175	4858100	6.4112	695	695	0	24-Hr	All	1st	YES
504200	4858100	6.47234	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858100	6.18835	695.9	695.9	0	24-Hr	All	1st	YES
504250	4858100	4.82734	696.2	696.2	0	24-Hr	All	1st	YES
504275	4858100	4.2617	696.5	696.5	0	24-Hr	All	1st	YES
504300	4858100	3.91054	696.7	696.7	0	24-Hr	All	1st	YES
504325	4858100	3.65724	696.8	696.8	0	24-Hr	All	1st	YES
504350	4858100	3.79377	696.8	696.8	0	24-Hr	All	1st	YES
504375	4858100	3.46882	696.7	696.7	0	24-Hr	All	1st	YES
504400	4858100	2.90234	696.5	696.5	0	24-Hr	All	1st	YES
504425	4858100	2.59752	696.3	696.3	0	24-Hr	All	1st	YES
503550	4858125	3.42284	690.1	690.1	0	24-Hr	All	1st	YES
503575	4858125	3.36751	689.3	689.3	0	24-Hr	All	1st	YES
503600	4858125	3.26508	688.3	688.3	0	24-Hr	All	1st	YES
503625	4858125	3.673	688.1	688.1	0	24-Hr	All	1st	YES
503650	4858125	4.25346	688.7	688.7	0	24-Hr	All	1st	YES
503675	4858125	4.83876	688.9	688.9	0	24-Hr	All	1st	YES
503700	4858125	5.47843	688.7	688.7	0	24-Hr	All	1st	YES
503725	4858125	5.94458	688.8	688.8	0	24-Hr	All	1st	YES
503750	4858125	6.3888	689	689	0	24-Hr	All	1st	YES
503775	4858125	6.73406	689.3	689.3	0	24-Hr	All	1st	YES
503800	4858125	6.99071	689.9	689.9	0	24-Hr	All	1st	YES
503825	4858125	7.20171	690.6	690.6	0	24-Hr	All	1st	YES
503850	4858125	8.49521	691.2	691.2	0	24-Hr	All	1st	YES
503875	4858125	8.55417	692	692	0	24-Hr	All	1st	YES
503900	4858125	8.72085	693	693	0	24-Hr	All	1st	YES
503925	4858125	8.52991	693.9	693.9	0	24-Hr	All	1st	YES
503950	4858125	7.518	694.6	694.6	0	24-Hr	All	1st	YES
503975	4858125	7.02512	695	695	0	24-Hr	All	1st	YES
504000	4858125	5.87976	695.1	695.1	0	24-Hr	All	1st	YES
504025	4858125	5.78278	695.2	695.2	0	24-Hr	All	1st	YES
504050	4858125	5.88477	695	695	0	24-Hr	All	1st	YES
504075	4858125	6.04077	694.8	694.8	0	24-Hr	All	1st	YES
504100	4858125	6.51568	694.7	694.7	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504125	4858125	6.10931	694.6	694.6	0	24-Hr	All	1st	YES
504150	4858125	5.31847	694.8	694.8	0	24-Hr	All	1st	YES
504175	4858125	5.8797	695.2	695.2	0	24-Hr	All	1st	YES
504200	4858125	5.69849	695.6	695.6	0	24-Hr	All	1st	YES
504225	4858125	5.77993	696.1	696.1	0	24-Hr	All	1st	YES
504250	4858125	5.03356	696.6	696.6	0	24-Hr	All	1st	YES
504275	4858125	4.23653	696.9	696.9	0	24-Hr	All	1st	YES
504300	4858125	3.79213	697.2	697.2	0	24-Hr	All	1st	YES
504325	4858125	3.50967	697.5	697.5	0	24-Hr	All	1st	YES
504350	4858125	3.26217	697.6	697.6	0	24-Hr	All	1st	YES
504375	4858125	3.42229	697.6	697.6	0	24-Hr	All	1st	YES
504400	4858125	3.19152	697.5	697.5	0	24-Hr	All	1st	YES
504425	4858125	2.73687	697.4	697.4	0	24-Hr	All	1st	YES
503550	4858150	2.97327	689.5	689.5	0	24-Hr	All	1st	YES
503575	4858150	3.05194	688.1	688.1	0	24-Hr	All	1st	YES
503600	4858150	3.59774	687.1	687.1	0	24-Hr	All	1st	YES
503625	4858150	4.17454	687	687	0	24-Hr	All	1st	YES
503650	4858150	4.65081	687.3	687.3	0	24-Hr	All	1st	YES
503675	4858150	5.30925	687.8	687.8	0	24-Hr	All	1st	YES
503700	4858150	5.76073	688.5	688.5	0	24-Hr	All	1st	YES
503725	4858150	6.00317	689	689	0	24-Hr	All	1st	YES
503750	4858150	6.22942	689.3	689.3	0	24-Hr	All	1st	YES
503775	4858150	6.50341	689.5	689.5	0	24-Hr	All	1st	YES
503800	4858150	6.53881	689.8	689.8	0	24-Hr	All	1st	YES
503825	4858150	7.88439	690.5	690.5	0	24-Hr	All	1st	YES
503850	4858150	8.22409	691.4	691.4	0	24-Hr	All	1st	YES
503875	4858150	7.73188	692.4	692.4	0	24-Hr	All	1st	YES
503900	4858150	7.95362	693.5	693.5	0	24-Hr	All	1st	YES
503925	4858150	7.02385	694.6	694.6	0	24-Hr	All	1st	YES
503950	4858150	6.72233	695.5	695.5	0	24-Hr	All	1st	YES
503975	4858150	6.0159	695.9	695.9	0	24-Hr	All	1st	YES
504000	4858150	5.29901	696	696	0	24-Hr	All	1st	YES
504025	4858150	5.36001	696	696	0	24-Hr	All	1st	YES
504050	4858150	5.55147	695.9	695.9	0	24-Hr	All	1st	YES
504075	4858150	5.39596	695.7	695.7	0	24-Hr	All	1st	YES
504100	4858150	5.84183	695.3	695.3	0	24-Hr	All	1st	YES
504125	4858150	5.69328	695.1	695.1	0	24-Hr	All	1st	YES
504150	4858150	4.90784	695	695	0	24-Hr	All	1st	YES
504175	4858150	5.30843	695.1	695.1	0	24-Hr	All	1st	YES
504200	4858150	5.28581	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858150	5.22716	696	696	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504250	4858150	5.00896	696.6	696.6	0	24-Hr	All	1st	YES
504275	4858150	4.12179	697.1	697.1	0	24-Hr	All	1st	YES
504300	4858150	3.78176	697.5	697.5	0	24-Hr	All	1st	YES
504325	4858150	3.44968	697.8	697.8	0	24-Hr	All	1st	YES
504350	4858150	3.19275	698.2	698.2	0	24-Hr	All	1st	YES
504375	4858150	2.94503	698.4	698.4	0	24-Hr	All	1st	YES
504400	4858150	3.09174	698.5	698.5	0	24-Hr	All	1st	YES
504425	4858150	2.93311	698.4	698.4	0	24-Hr	All	1st	YES
503550	4858175	3.13599	688.3	689	0	24-Hr	All	1st	YES
503575	4858175	3.58237	686.5	686.5	0	24-Hr	All	1st	YES
503600	4858175	4.14568	685.5	685.5	0	24-Hr	All	1st	YES
503625	4858175	4.51311	685.4	685.4	0	24-Hr	All	1st	YES
503650	4858175	5.0249	686.3	686.3	0	24-Hr	All	1st	YES
503675	4858175	5.50056	687.4	687.4	0	24-Hr	All	1st	YES
503700	4858175	5.74119	688.7	688.7	0	24-Hr	All	1st	YES
503725	4858175	5.81917	689.7	689.7	0	24-Hr	All	1st	YES
503750	4858175	5.88962	690	690	0	24-Hr	All	1st	YES
503775	4858175	5.93086	690	690	0	24-Hr	All	1st	YES
503800	4858175	7.23885	689.8	689.8	0	24-Hr	All	1st	YES
503825	4858175	7.78416	689.8	689.8	0	24-Hr	All	1st	YES
503850	4858175	7.56178	690.9	690.9	0	24-Hr	All	1st	YES
503875	4858175	7.25899	692.5	692.5	0	24-Hr	All	1st	YES
503900	4858175	6.89677	693.8	693.8	0	24-Hr	All	1st	YES
503925	4858175	6.17758	695	695	0	24-Hr	All	1st	YES
503950	4858175	6.06771	695.9	695.9	0	24-Hr	All	1st	YES
503975	4858175	5.02133	696.1	696.1	0	24-Hr	All	1st	YES
504000	4858175	5.01346	696.2	696.2	0	24-Hr	All	1st	YES
504025	4858175	4.98992	696.3	696.3	0	24-Hr	All	1st	YES
504050	4858175	5.12481	696.2	696.2	0	24-Hr	All	1st	YES
504075	4858175	5.00512	696	696	0	24-Hr	All	1st	YES
504100	4858175	5.23745	695.8	695.8	0	24-Hr	All	1st	YES
504125	4858175	5.20795	695.7	695.7	0	24-Hr	All	1st	YES
504150	4858175	4.57629	695.5	695.5	0	24-Hr	All	1st	YES
504175	4858175	4.53841	695.2	695.2	0	24-Hr	All	1st	YES
504200	4858175	4.9254	695.4	695.4	0	24-Hr	All	1st	YES
504225	4858175	4.82117	695.8	695.8	0	24-Hr	All	1st	YES
504250	4858175	4.78323	696.2	696.2	0	24-Hr	All	1st	YES
504275	4858175	4.24969	696.8	696.8	0	24-Hr	All	1st	YES
504300	4858175	3.69536	697.3	697.3	0	24-Hr	All	1st	YES
504325	4858175	3.447	697.9	697.9	0	24-Hr	All	1st	YES
504350	4858175	3.16331	698.5	698.5	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4858175	2.93142	698.9	698.9	0	24-Hr	All	1st	YES
504400	4858175	2.6669	699.2	699.2	0	24-Hr	All	1st	YES
504425	4858175	2.78697	699.4	699.4	0	24-Hr	All	1st	YES
503550	4858200	3.60052	686.4	690.1	0	24-Hr	All	1st	YES
503575	4858200	4.15912	684.9	684.9	0	24-Hr	All	1st	YES
503600	4858200	4.45023	684	684	0	24-Hr	All	1st	YES
503625	4858200	4.74685	684.4	684.4	0	24-Hr	All	1st	YES
503650	4858200	5.19556	686	686	0	24-Hr	All	1st	YES
503675	4858200	5.38324	687.5	687.5	0	24-Hr	All	1st	YES
503700	4858200	5.3596	689	689	0	24-Hr	All	1st	YES
503725	4858200	5.31761	689.8	689.8	0	24-Hr	All	1st	YES
503750	4858200	5.24123	690.3	690.3	0	24-Hr	All	1st	YES
503775	4858200	6.86232	690.6	690.6	0	24-Hr	All	1st	YES
503800	4858200	7.45107	690.5	690.5	0	24-Hr	All	1st	YES
503825	4858200	7.33739	690.7	690.7	0	24-Hr	All	1st	YES
503850	4858200	6.88195	691.3	691.3	0	24-Hr	All	1st	YES
503875	4858200	6.65437	692.8	692.8	0	24-Hr	All	1st	YES
503900	4858200	5.78191	694	694	0	24-Hr	All	1st	YES
503925	4858200	5.876	695.2	695.2	0	24-Hr	All	1st	YES
503950	4858200	5.40941	695.8	695.8	0	24-Hr	All	1st	YES
503975	4858200	4.39845	696	696	0	24-Hr	All	1st	YES
504000	4858200	4.71991	696.2	696.2	0	24-Hr	All	1st	YES
504025	4858200	4.75802	696.4	696.4	0	24-Hr	All	1st	YES
504050	4858200	4.81372	696.4	696.4	0	24-Hr	All	1st	YES
504075	4858200	4.71176	696.3	696.3	0	24-Hr	All	1st	YES
504100	4858200	4.74376	696.1	696.1	0	24-Hr	All	1st	YES
504125	4858200	4.83014	695.9	695.9	0	24-Hr	All	1st	YES
504150	4858200	4.2716	695.8	695.8	0	24-Hr	All	1st	YES
504175	4858200	4.1744	695.6	695.6	0	24-Hr	All	1st	YES
504200	4858200	4.51723	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858200	4.47649	695.6	695.6	0	24-Hr	All	1st	YES
504250	4858200	4.47819	695.9	695.9	0	24-Hr	All	1st	YES
504275	4858200	4.26339	696.4	696.4	0	24-Hr	All	1st	YES
504300	4858200	3.52486	697.1	697.1	0	24-Hr	All	1st	YES
504325	4858200	3.35555	697.8	697.8	0	24-Hr	All	1st	YES
504350	4858200	3.14534	698.6	698.6	0	24-Hr	All	1st	YES
504375	4858200	2.90459	699.4	699.4	0	24-Hr	All	1st	YES
504400	4858200	2.69366	699.9	699.9	0	24-Hr	All	1st	YES
504425	4858200	2.38555	700.3	700.3	0	24-Hr	All	1st	YES
503600	4856700	1.37641	697	697	0	24-Hr	All	1st	YES
503900	4856700	1.25765	703.1	703.1	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4856700	1.22354	702.8	702.8	0	24-Hr	All	1st	YES
504200	4856700	1.22627	700.7	700.7	0	24-Hr	All	1st	YES
504400	4856700	1.32616	704.3	706.9	0	24-Hr	All	1st	YES
503100	4856800	1.23705	692.3	692.3	0	24-Hr	All	1st	YES
503600	4856800	1.22851	697.4	697.4	0	24-Hr	All	1st	YES
503700	4856800	1.28661	699.7	702.7	0	24-Hr	All	1st	YES
503900	4856800	1.34817	701.2	701.2	0	24-Hr	All	1st	YES
504000	4856800	1.30835	702.5	702.5	0	24-Hr	All	1st	YES
504400	4856800	1.45455	702	727.1	0	24-Hr	All	1st	YES
504500	4856800	1.32907	704.5	727.2	0	24-Hr	All	1st	YES
503200	4856900	1.36753	693.7	693.7	0	24-Hr	All	1st	YES
503700	4856900	1.56972	699.6	700.7	0	24-Hr	All	1st	YES
503800	4856900	1.28453	697.8	702.6	0	24-Hr	All	1st	YES
503900	4856900	1.54909	696.9	696.9	0	24-Hr	All	1st	YES
504000	4856900	1.4149	701.4	701.4	0	24-Hr	All	1st	YES
504500	4856900	1.29972	710.3	727.2	0	24-Hr	All	1st	YES
503000	4857000	1.26937	690	690	0	24-Hr	All	1st	YES
503200	4857000	1.27246	694.1	694.1	0	24-Hr	All	1st	YES
503300	4857000	1.46743	695.7	695.7	0	24-Hr	All	1st	YES
503700	4857000	1.4461	702.1	702.1	0	24-Hr	All	1st	YES
503800	4857000	1.2329	701.5	701.5	0	24-Hr	All	1st	YES
503900	4857000	1.56123	699.5	702.8	0	24-Hr	All	1st	YES
504000	4857000	1.36492	702.9	702.9	0	24-Hr	All	1st	YES
504300	4857000	1.28589	708	708	0	24-Hr	All	1st	YES
503000	4857100	1.22458	691.4	691.4	0	24-Hr	All	1st	YES
503100	4857100	1.38375	692.1	692.1	0	24-Hr	All	1st	YES
503200	4857100	1.22425	693.5	693.5	0	24-Hr	All	1st	YES
503300	4857100	1.36744	694.1	694.1	0	24-Hr	All	1st	YES
503400	4857100	1.55664	695.7	695.7	0	24-Hr	All	1st	YES
503800	4857100	1.60112	702.8	702.8	0	24-Hr	All	1st	YES
503900	4857100	1.56362	698	698	0	24-Hr	All	1st	YES
504000	4857100	1.51146	702.9	702.9	0	24-Hr	All	1st	YES
504300	4857100	1.35258	710.3	710.3	0	24-Hr	All	1st	YES
504400	4857100	1.32905	713.1	713.1	0	24-Hr	All	1st	YES
503100	4857200	1.2849	692.7	692.7	0	24-Hr	All	1st	YES
503200	4857200	1.41553	693.5	693.5	0	24-Hr	All	1st	YES
503300	4857200	1.41697	694.6	694.6	0	24-Hr	All	1st	YES
503400	4857200	1.43693	696.5	696.5	0	24-Hr	All	1st	YES
503500	4857200	1.59596	697.1	697.1	0	24-Hr	All	1st	YES
503700	4857200	1.39031	698.8	698.8	0	24-Hr	All	1st	YES
503800	4857200	1.81918	702.3	702.3	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503900	4857200	1.66722	699	701.8	0	24-Hr	All	1st	YES
504000	4857200	1.79721	702.3	702.3	0	24-Hr	All	1st	YES
504100	4857200	1.40056	702.4	702.4	0	24-Hr	All	1st	YES
504200	4857200	1.3034	708.2	708.2	0	24-Hr	All	1st	YES
504300	4857200	1.44425	710.1	710.1	0	24-Hr	All	1st	YES
504400	4857200	1.47009	711.8	711.8	0	24-Hr	All	1st	YES
503200	4857300	1.21309	693.9	693.9	0	24-Hr	All	1st	YES
503300	4857300	1.63619	695.8	695.8	0	24-Hr	All	1st	YES
503400	4857300	1.56753	697.1	697.1	0	24-Hr	All	1st	YES
503500	4857300	1.52689	698	698	0	24-Hr	All	1st	YES
503600	4857300	1.65257	697.4	697.4	0	24-Hr	All	1st	YES
503800	4857300	1.53082	699.5	699.5	0	24-Hr	All	1st	YES
503900	4857300	1.74936	701.8	701.8	0	24-Hr	All	1st	YES
504000	4857300	1.98642	702.4	702.4	0	24-Hr	All	1st	YES
504100	4857300	1.40047	704.1	704.1	0	24-Hr	All	1st	YES
504200	4857300	1.82436	703.6	703.6	0	24-Hr	All	1st	YES
504300	4857300	1.71251	706.3	706.3	0	24-Hr	All	1st	YES
504400	4857300	1.33177	707.9	726.9	0	24-Hr	All	1st	YES
504900	4857300	1.32923	713.7	727.4	0	24-Hr	All	1st	YES
505000	4857300	1.28868	712.1	732.9	0	24-Hr	All	1st	YES
503400	4857400	1.75027	697.1	697.1	0	24-Hr	All	1st	YES
503500	4857400	1.73935	697.1	697.1	0	24-Hr	All	1st	YES
503600	4857400	1.74336	696.7	696.7	0	24-Hr	All	1st	YES
503700	4857400	1.7147	697.1	697.1	0	24-Hr	All	1st	YES
503800	4857400	1.60551	700	700	0	24-Hr	All	1st	YES
503900	4857400	2.33397	701	701	0	24-Hr	All	1st	YES
504000	4857400	2.35041	701.5	701.5	0	24-Hr	All	1st	YES
504100	4857400	1.71586	702.1	702.1	0	24-Hr	All	1st	YES
504200	4857400	2.38634	702	702	0	24-Hr	All	1st	YES
504300	4857400	2.49765	702.4	702.4	0	24-Hr	All	1st	YES
504400	4857400	1.75871	703.3	727.1	0	24-Hr	All	1st	YES
504700	4857400	1.22929	727.3	727.3	0	24-Hr	All	1st	YES
504900	4857400	1.21231	724.3	726.3	0	24-Hr	All	1st	YES
503100	4857500	1.21916	693.5	693.5	0	24-Hr	All	1st	YES
503200	4857500	1.33581	694.1	694.1	0	24-Hr	All	1st	YES
503500	4857500	1.79618	695.8	695.8	0	24-Hr	All	1st	YES
503600	4857500	2.01288	695.8	695.8	0	24-Hr	All	1st	YES
503700	4857500	2.07836	696.1	696.1	0	24-Hr	All	1st	YES
503800	4857500	2.0147	697.1	697.1	0	24-Hr	All	1st	YES
503900	4857500	2.2607	698.3	698.3	0	24-Hr	All	1st	YES
504000	4857500	2.60225	698.3	698.3	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504100	4857500	2.22769	699.9	699.9	0	24-Hr	All	1st	YES
504200	4857500	3.17145	700.4	701.6	0	24-Hr	All	1st	YES
504300	4857500	2.47166	702	702	0	24-Hr	All	1st	YES
504400	4857500	1.70403	702.1	702.1	0	24-Hr	All	1st	YES
504500	4857500	1.66289	707.5	726.7	0	24-Hr	All	1st	YES
504600	4857500	1.71351	716.7	726.7	0	24-Hr	All	1st	YES
504700	4857500	1.53532	723.9	726.5	0	24-Hr	All	1st	YES
504800	4857500	1.3521	727.6	727.6	0	24-Hr	All	1st	YES
503200	4857600	1.28794	693.7	693.7	0	24-Hr	All	1st	YES
503300	4857600	1.46811	694.4	694.4	0	24-Hr	All	1st	YES
503400	4857600	1.64467	694.8	694.8	0	24-Hr	All	1st	YES
503500	4857600	1.38534	694.7	694.7	0	24-Hr	All	1st	YES
503600	4857600	1.65897	695	695	0	24-Hr	All	1st	YES
503700	4857600	2.15509	695.2	695.2	0	24-Hr	All	1st	YES
503800	4857600	2.45093	695.5	695.5	0	24-Hr	All	1st	YES
503900	4857600	2.41955	696	696	0	24-Hr	All	1st	YES
504000	4857600	3.21802	697	697	0	24-Hr	All	1st	YES
504100	4857600	3.15085	697.4	697.4	0	24-Hr	All	1st	YES
504200	4857600	4.14194	695.9	695.9	0	24-Hr	All	1st	YES
504300	4857600	2.40505	699.7	699.7	0	24-Hr	All	1st	YES
504400	4857600	2.86217	702	702	0	24-Hr	All	1st	YES
504500	4857600	2.69689	705.7	705.7	0	24-Hr	All	1st	YES
504600	4857600	2.31386	710.5	726.3	0	24-Hr	All	1st	YES
504700	4857600	1.66961	717.8	726.7	0	24-Hr	All	1st	YES
504800	4857600	1.21991	726.8	726.8	0	24-Hr	All	1st	YES
503000	4857700	1.25208	691.9	691.9	0	24-Hr	All	1st	YES
503100	4857700	1.4464	692.6	692.6	0	24-Hr	All	1st	YES
503200	4857700	1.54153	692.9	692.9	0	24-Hr	All	1st	YES
503300	4857700	1.47161	693.2	693.2	0	24-Hr	All	1st	YES
503400	4857700	1.44816	693.3	693.3	0	24-Hr	All	1st	YES
503500	4857700	1.69626	693.6	693.6	0	24-Hr	All	1st	YES
504500	4857700	3.19607	703.9	703.9	0	24-Hr	All	1st	YES
504600	4857700	2.06042	707.5	707.5	0	24-Hr	All	1st	YES
504700	4857700	1.46366	712.8	726.8	0	24-Hr	All	1st	YES
502900	4857800	1.26912	690	690	0	24-Hr	All	1st	YES
503000	4857800	1.45499	691	691	0	24-Hr	All	1st	YES
503100	4857800	1.6015	692.2	692.2	0	24-Hr	All	1st	YES
503200	4857800	1.66283	691.8	691.8	0	24-Hr	All	1st	YES
503300	4857800	1.63995	690.7	690.7	0	24-Hr	All	1st	YES
503400	4857800	1.66703	691.4	691.4	0	24-Hr	All	1st	YES
503500	4857800	1.98528	692.4	692.4	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504500	4857800	2.848	702.4	702.4	0	24-Hr	All	1st	YES
504600	4857800	2.43813	704.3	704.3	0	24-Hr	All	1st	YES
504700	4857800	1.92382	708.7	708.7	0	24-Hr	All	1st	YES
504800	4857800	1.51147	713.1	713.1	0	24-Hr	All	1st	YES
503100	4857900	1.23829	691.4	691.4	0	24-Hr	All	1st	YES
503200	4857900	1.33832	689.7	689.7	0	24-Hr	All	1st	YES
503300	4857900	1.49684	689.6	689.6	0	24-Hr	All	1st	YES
503400	4857900	1.74876	692	692	0	24-Hr	All	1st	YES
503500	4857900	1.95716	692.1	692.1	0	24-Hr	All	1st	YES
504500	4857900	3.75905	700.1	700.1	0	24-Hr	All	1st	YES
504600	4857900	2.97565	703.7	703.7	0	24-Hr	All	1st	YES
504700	4857900	2.36817	706.9	706.9	0	24-Hr	All	1st	YES
504800	4857900	1.87326	710.6	710.6	0	24-Hr	All	1st	YES
504900	4857900	1.40179	715.2	732.5	0	24-Hr	All	1st	YES
503200	4858000	1.2845	690.3	690.3	0	24-Hr	All	1st	YES
503300	4858000	1.40263	691.4	691.4	0	24-Hr	All	1st	YES
503400	4858000	1.52099	693.1	693.1	0	24-Hr	All	1st	YES
503500	4858000	1.92021	692.7	692.7	0	24-Hr	All	1st	YES
504500	4858000	4.13163	697.1	697.1	0	24-Hr	All	1st	YES
504600	4858000	3.41418	701.8	701.8	0	24-Hr	All	1st	YES
504700	4858000	2.87539	704.3	704.3	0	24-Hr	All	1st	YES
504800	4858000	2.32532	707.3	707.3	0	24-Hr	All	1st	YES
504900	4858000	1.71859	712.3	712.3	0	24-Hr	All	1st	YES
505000	4858000	1.2481	718.1	718.1	0	24-Hr	All	1st	YES
503100	4858100	1.29253	692.2	692.2	0	24-Hr	All	1st	YES
503200	4858100	1.52192	692.3	692.3	0	24-Hr	All	1st	YES
503300	4858100	1.78999	692.4	692.4	0	24-Hr	All	1st	YES
503400	4858100	2.58007	692.5	692.5	0	24-Hr	All	1st	YES
503500	4858100	3.25621	691.9	691.9	0	24-Hr	All	1st	YES
504500	4858100	2.39881	696.1	696.1	0	24-Hr	All	1st	YES
504600	4858100	2.44413	697.7	697.7	0	24-Hr	All	1st	YES
504700	4858100	2.50792	700.7	700.7	0	24-Hr	All	1st	YES
504800	4858100	2.10706	704.1	704.1	0	24-Hr	All	1st	YES
504900	4858100	1.64975	707.6	707.6	0	24-Hr	All	1st	YES
505000	4858100	1.32446	711.4	716.3	0	24-Hr	All	1st	YES
502900	4858200	1.26738	690.3	690.3	0	24-Hr	All	1st	YES
503000	4858200	1.52845	692	692	0	24-Hr	All	1st	YES
503100	4858200	2.10845	691.7	691.7	0	24-Hr	All	1st	YES
503200	4858200	2.5756	691.8	691.8	0	24-Hr	All	1st	YES
503300	4858200	2.68825	691.5	691.5	0	24-Hr	All	1st	YES
503400	4858200	2.60863	691.2	691.2	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503500	4858200	2.98203	690.4	690.4	0	24-Hr	All	1st	YES
504500	4858200	2.23561	700.8	700.8	0	24-Hr	All	1st	YES
504600	4858200	1.90922	699	699	0	24-Hr	All	1st	YES
504700	4858200	1.83833	698.9	698.9	0	24-Hr	All	1st	YES
504800	4858200	1.53275	700.3	700.3	0	24-Hr	All	1st	YES
504900	4858200	1.61347	701.8	701.8	0	24-Hr	All	1st	YES
505000	4858200	1.62059	702	723.8	0	24-Hr	All	1st	YES
505100	4858200	1.45965	704.3	726.6	0	24-Hr	All	1st	YES
505200	4858200	1.21095	706.7	733.3	0	24-Hr	All	1st	YES
502800	4858300	1.47748	683.5	690.8	0	24-Hr	All	1st	YES
502900	4858300	2.10559	691.2	691.2	0	24-Hr	All	1st	YES
503000	4858300	2.15549	690.9	690.9	0	24-Hr	All	1st	YES
503100	4858300	1.94912	689.7	689.7	0	24-Hr	All	1st	YES
503200	4858300	2.02934	691.6	691.6	0	24-Hr	All	1st	YES
503300	4858300	2.2296	690.2	690.2	0	24-Hr	All	1st	YES
503400	4858300	3.17754	690.7	690.7	0	24-Hr	All	1st	YES
503500	4858300	4.23979	684	690.5	0	24-Hr	All	1st	YES
503600	4858300	3.82641	688.3	689.7	0	24-Hr	All	1st	YES
503700	4858300	6.25646	690.6	690.6	0	24-Hr	All	1st	YES
503800	4858300	5.38788	692.2	692.2	0	24-Hr	All	1st	YES
503900	4858300	4.55969	693.6	693.6	0	24-Hr	All	1st	YES
504000	4858300	3.95483	695.2	695.2	0	24-Hr	All	1st	YES
504100	4858300	3.79392	696.9	696.9	0	24-Hr	All	1st	YES
504200	4858300	3.26591	696.4	696.4	0	24-Hr	All	1st	YES
504300	4858300	3.31152	698.7	698.7	0	24-Hr	All	1st	YES
504400	4858300	2.35358	701.5	701.5	0	24-Hr	All	1st	YES
504500	4858300	2.01007	703.5	703.5	0	24-Hr	All	1st	YES
504600	4858300	1.76856	702.8	702.8	0	24-Hr	All	1st	YES
504700	4858300	1.59455	702.1	702.1	0	24-Hr	All	1st	YES
504800	4858300	1.33013	702.1	702.1	0	24-Hr	All	1st	YES
504900	4858300	1.33526	702.1	702.1	0	24-Hr	All	1st	YES
502600	4858400	1.51002	684.7	684.7	0	24-Hr	All	1st	YES
502700	4858400	1.59381	684.7	684.7	0	24-Hr	All	1st	YES
502800	4858400	1.57677	688.5	688.5	0	24-Hr	All	1st	YES
502900	4858400	1.61319	691.2	691.2	0	24-Hr	All	1st	YES
503000	4858400	1.50278	684.8	689.6	0	24-Hr	All	1st	YES
503100	4858400	1.78627	690.7	690.7	0	24-Hr	All	1st	YES
503200	4858400	2.32903	691.4	691.4	0	24-Hr	All	1st	YES
503300	4858400	2.83314	683.6	691.2	0	24-Hr	All	1st	YES
503400	4858400	3.39269	683.6	690.4	0	24-Hr	All	1st	YES
503500	4858400	2.79434	681.5	681.5	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503600	4858400	4.99155	687.4	690	0	24-Hr	All	1st	YES
503700	4858400	4.53151	690.4	690.4	0	24-Hr	All	1st	YES
503800	4858400	4.20651	690.8	690.8	0	24-Hr	All	1st	YES
503900	4858400	3.41246	691.1	691.1	0	24-Hr	All	1st	YES
504000	4858400	3.58799	692.3	692.3	0	24-Hr	All	1st	YES
504100	4858400	3.47701	694	694	0	24-Hr	All	1st	YES
504200	4858400	3.18776	693.7	693.7	0	24-Hr	All	1st	YES
504300	4858400	2.54382	696.6	696.6	0	24-Hr	All	1st	YES
504400	4858400	2.36737	700.2	700.2	0	24-Hr	All	1st	YES
504500	4858400	1.94667	701.7	701.7	0	24-Hr	All	1st	YES
504600	4858400	1.82313	701.5	701.5	0	24-Hr	All	1st	YES
504700	4858400	1.6586	701.8	701.8	0	24-Hr	All	1st	YES
504800	4858400	1.41675	700.9	700.9	0	24-Hr	All	1st	YES
504900	4858400	1.37212	702	702	0	24-Hr	All	1st	YES
502700	4858500	1.21001	684.2	685.7	0	24-Hr	All	1st	YES
502800	4858500	1.34519	687.1	687.1	0	24-Hr	All	1st	YES
502900	4858500	1.35277	686.5	686.5	0	24-Hr	All	1st	YES
503000	4858500	1.68381	685.3	691.6	0	24-Hr	All	1st	YES
503100	4858500	2.28346	690.5	690.5	0	24-Hr	All	1st	YES
503200	4858500	2.62095	684.4	691.6	0	24-Hr	All	1st	YES
503300	4858500	2.39746	679.5	690.8	0	24-Hr	All	1st	YES
503400	4858500	2.71583	685.3	685.3	0	24-Hr	All	1st	YES
503500	4858500	4.19432	687	687	0	24-Hr	All	1st	YES
503600	4858500	3.87525	683.2	690.3	0	24-Hr	All	1st	YES
503700	4858500	3.44453	684.8	684.8	0	24-Hr	All	1st	YES
503800	4858500	3.07605	685.7	690.3	0	24-Hr	All	1st	YES
503900	4858500	2.50503	686.3	691.8	0	24-Hr	All	1st	YES
504000	4858500	2.76379	687.5	687.5	0	24-Hr	All	1st	YES
504100	4858500	2.95514	688.7	688.7	0	24-Hr	All	1st	YES
504200	4858500	2.79162	689.5	689.5	0	24-Hr	All	1st	YES
504300	4858500	2.18367	696	696	0	24-Hr	All	1st	YES
504400	4858500	2.56456	694.9	694.9	0	24-Hr	All	1st	YES
504500	4858500	1.67072	696.9	696.9	0	24-Hr	All	1st	YES
504600	4858500	1.81246	697.2	697.2	0	24-Hr	All	1st	YES
504700	4858500	1.64275	699.8	699.8	0	24-Hr	All	1st	YES
504800	4858500	1.57084	701.7	701.7	0	24-Hr	All	1st	YES
504900	4858500	1.22217	703.7	703.7	0	24-Hr	All	1st	YES
502800	4858600	1.20197	675.3	692.2	0	24-Hr	All	1st	YES
502900	4858600	1.39774	676	691	0	24-Hr	All	1st	YES
503000	4858600	1.80915	676.6	691.6	0	24-Hr	All	1st	YES
503100	4858600	2.17655	677.6	691.6	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503200	4858600	2.04178	681.3	690.3	0	24-Hr	All	1st	YES
503300	4858600	2.45028	684.8	690.7	0	24-Hr	All	1st	YES
503400	4858600	3.32856	683.5	691.5	0	24-Hr	All	1st	YES
503500	4858600	4.43053	691.2	691.2	0	24-Hr	All	1st	YES
503600	4858600	3.41817	690.1	690.1	0	24-Hr	All	1st	YES
503700	4858600	3.34779	690.1	690.1	0	24-Hr	All	1st	YES
503800	4858600	2.59612	689.4	689.8	0	24-Hr	All	1st	YES
503900	4858600	2.5553	689.3	689.7	0	24-Hr	All	1st	YES
504000	4858600	2.52153	688.7	688.7	0	24-Hr	All	1st	YES
504100	4858600	2.8883	692.3	692.3	0	24-Hr	All	1st	YES
504200	4858600	2.47166	696.5	696.5	0	24-Hr	All	1st	YES
504300	4858600	2.1955	694.9	694.9	0	24-Hr	All	1st	YES
504400	4858600	2.05969	695.6	695.6	0	24-Hr	All	1st	YES
504500	4858600	2.02364	697.3	697.3	0	24-Hr	All	1st	YES
504600	4858600	1.58765	698.4	698.4	0	24-Hr	All	1st	YES
504700	4858600	1.50452	699.8	699.8	0	24-Hr	All	1st	YES
504800	4858600	1.40536	701.3	701.3	0	24-Hr	All	1st	YES
504900	4858600	1.36628	704	704	0	24-Hr	All	1st	YES
502800	4858700	1.61091	686.1	692	0	24-Hr	All	1st	YES
502900	4858700	2.2197	689.2	690.1	0	24-Hr	All	1st	YES
503000	4858700	2.40624	690.1	690.1	0	24-Hr	All	1st	YES
503100	4858700	1.76174	683.9	690.9	0	24-Hr	All	1st	YES
503200	4858700	2.56791	690.6	690.6	0	24-Hr	All	1st	YES
503300	4858700	3.26767	688.8	689.6	0	24-Hr	All	1st	YES
503400	4858700	4.10494	689.5	689.5	0	24-Hr	All	1st	YES
503500	4858700	2.67102	687.2	689.5	0	24-Hr	All	1st	YES
503600	4858700	2.95281	690.9	690.9	0	24-Hr	All	1st	YES
503700	4858700	2.75412	692.1	692.1	0	24-Hr	All	1st	YES
503800	4858700	2.52751	692.2	692.2	0	24-Hr	All	1st	YES
503900	4858700	2.63353	692.1	692.1	0	24-Hr	All	1st	YES
504000	4858700	2.42977	691.4	691.4	0	24-Hr	All	1st	YES
504100	4858700	2.62148	690.7	697.2	0	24-Hr	All	1st	YES
504200	4858700	2.19904	696	696	0	24-Hr	All	1st	YES
504300	4858700	2.04656	696.1	696.1	0	24-Hr	All	1st	YES
504400	4858700	1.67448	696.8	696.8	0	24-Hr	All	1st	YES
504500	4858700	2.03717	700.4	700.4	0	24-Hr	All	1st	YES
504600	4858700	1.34045	702	702	0	24-Hr	All	1st	YES
504700	4858700	1.40263	701.6	701.6	0	24-Hr	All	1st	YES
504800	4858700	1.25115	702.8	702.8	0	24-Hr	All	1st	YES
502600	4858800	1.22867	684.8	691	0	24-Hr	All	1st	YES
502700	4858800	1.51259	680.6	692.2	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502800	4858800	2.14119	690.9	690.9	0	24-Hr	All	1st	YES
502900	4858800	2.13068	691	691	0	24-Hr	All	1st	YES
503000	4858800	1.86258	690.9	690.9	0	24-Hr	All	1st	YES
503100	4858800	2.27749	688.5	688.5	0	24-Hr	All	1st	YES
503200	4858800	2.96313	690.6	690.6	0	24-Hr	All	1st	YES
503300	4858800	3.80285	689.8	689.8	0	24-Hr	All	1st	YES
503400	4858800	2.62374	691.9	691.9	0	24-Hr	All	1st	YES
503500	4858800	2.61873	689	689	0	24-Hr	All	1st	YES
503600	4858800	2.73647	694.1	694.1	0	24-Hr	All	1st	YES
503700	4858800	2.25467	694.6	694.6	0	24-Hr	All	1st	YES
503800	4858800	2.0602	694.7	694.7	0	24-Hr	All	1st	YES
503900	4858800	2.56908	694.8	694.8	0	24-Hr	All	1st	YES
504000	4858800	2.18626	694.4	694.4	0	24-Hr	All	1st	YES
504100	4858800	2.41973	694	694	0	24-Hr	All	1st	YES
504200	4858800	1.98226	693.5	693.5	0	24-Hr	All	1st	YES
504300	4858800	2.06749	695.8	695.8	0	24-Hr	All	1st	YES
504400	4858800	1.69004	695.9	695.9	0	24-Hr	All	1st	YES
504500	4858800	1.63441	699.6	699.6	0	24-Hr	All	1st	YES
504600	4858800	1.71628	701	701	0	24-Hr	All	1st	YES
502600	4858900	1.81793	690.9	690.9	0	24-Hr	All	1st	YES
502700	4858900	2.00709	691.7	691.7	0	24-Hr	All	1st	YES
502800	4858900	1.59595	683.6	691.1	0	24-Hr	All	1st	YES
502900	4858900	1.69518	690.6	690.6	0	24-Hr	All	1st	YES
503000	4858900	2.18147	691.5	691.5	0	24-Hr	All	1st	YES
503100	4858900	2.59426	690	690	0	24-Hr	All	1st	YES
503200	4858900	3.57936	692.3	692.3	0	24-Hr	All	1st	YES
503300	4858900	2.58298	692.6	692.6	0	24-Hr	All	1st	YES
503400	4858900	2.29059	696.3	696.3	0	24-Hr	All	1st	YES
503500	4858900	2.51931	689.6	696.7	0	24-Hr	All	1st	YES
503600	4858900	2.33162	696.1	696.1	0	24-Hr	All	1st	YES
503700	4858900	2.00875	696.1	696.1	0	24-Hr	All	1st	YES
503800	4858900	1.69164	696.2	696.2	0	24-Hr	All	1st	YES
503900	4858900	2.28574	696.4	696.4	0	24-Hr	All	1st	YES
504000	4858900	1.98475	696.2	696.2	0	24-Hr	All	1st	YES
504100	4858900	2.217	696.7	696.7	0	24-Hr	All	1st	YES
504200	4858900	1.7843	693.7	693.7	0	24-Hr	All	1st	YES
504300	4858900	1.8839	695.5	695.5	0	24-Hr	All	1st	YES
504400	4858900	1.66578	697	697	0	24-Hr	All	1st	YES
504500	4858900	1.49317	698.6	698.6	0	24-Hr	All	1st	YES
504600	4858900	1.76098	701.4	701.4	0	24-Hr	All	1st	YES
504700	4858900	1.26403	702.8	702.8	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
502600	4859000	1.80871	691.6	691.6	0	24-Hr	All	1st	YES
502700	4859000	1.59167	693	693	0	24-Hr	All	1st	YES
502800	4859000	1.58356	688.6	689.5	0	24-Hr	All	1st	YES
502900	4859000	1.98837	690.7	690.7	0	24-Hr	All	1st	YES
503000	4859000	2.40412	692.1	692.1	0	24-Hr	All	1st	YES
503100	4859000	3.22935	692.2	692.2	0	24-Hr	All	1st	YES
503200	4859000	2.65972	694.2	694.2	0	24-Hr	All	1st	YES
503300	4859000	2.09272	696	696	0	24-Hr	All	1st	YES
503400	4859000	2.09687	696.5	696.5	0	24-Hr	All	1st	YES
503500	4859000	2.30456	689.7	696.9	0	24-Hr	All	1st	YES
503600	4859000	1.97669	692.7	696.3	0	24-Hr	All	1st	YES
503700	4859000	1.94769	694.9	694.9	0	24-Hr	All	1st	YES
503800	4859000	1.82223	695.9	695.9	0	24-Hr	All	1st	YES
503900	4859000	1.93631	697.3	697.3	0	24-Hr	All	1st	YES
504000	4859000	1.82099	697.5	697.5	0	24-Hr	All	1st	YES
504100	4859000	2.04336	698	698	0	24-Hr	All	1st	YES
504200	4859000	1.57408	696.3	696.3	0	24-Hr	All	1st	YES
504300	4859000	1.63783	696.6	696.6	0	24-Hr	All	1st	YES
504400	4859000	1.619	695.7	695.7	0	24-Hr	All	1st	YES
504500	4859000	1.25092	699.3	699.3	0	24-Hr	All	1st	YES
504600	4859000	1.3525	702.1	702.1	0	24-Hr	All	1st	YES
504700	4859000	1.46573	705.1	705.1	0	24-Hr	All	1st	YES
502600	4859100	1.38812	692.1	692.1	0	24-Hr	All	1st	YES
502700	4859100	1.57692	692.4	692.4	0	24-Hr	All	1st	YES
502800	4859100	1.79928	689.8	689.8	0	24-Hr	All	1st	YES
502900	4859100	2.15665	691.1	691.1	0	24-Hr	All	1st	YES
503000	4859100	2.94339	692.3	692.3	0	24-Hr	All	1st	YES
503100	4859100	2.71444	693.3	693.3	0	24-Hr	All	1st	YES
503200	4859100	1.99498	694.6	694.6	0	24-Hr	All	1st	YES
503300	4859100	1.96212	695.9	695.9	0	24-Hr	All	1st	YES
503400	4859100	2.2114	696.6	696.6	0	24-Hr	All	1st	YES
503500	4859100	2.02744	696.8	696.8	0	24-Hr	All	1st	YES
503600	4859100	1.59573	695.9	695.9	0	24-Hr	All	1st	YES
503700	4859100	1.74743	695.9	695.9	0	24-Hr	All	1st	YES
503800	4859100	1.90053	696.3	696.3	0	24-Hr	All	1st	YES
503900	4859100	1.57177	697.6	697.6	0	24-Hr	All	1st	YES
504000	4859100	1.6508	698.3	698.3	0	24-Hr	All	1st	YES
504100	4859100	1.86927	699.2	699.2	0	24-Hr	All	1st	YES
504200	4859100	1.53608	697.6	697.6	0	24-Hr	All	1st	YES
504300	4859100	1.4979	699.5	699.5	0	24-Hr	All	1st	YES
504400	4859100	1.51137	701.2	701.2	0	24-Hr	All	1st	YES

Scenario 1, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504500	4859100	1.33777	701.6	701.6	0	24-Hr	All	1st	YES
504600	4859100	1.24847	702.8	702.8	0	24-Hr	All	1st	YES
504700	4859100	1.38076	706.4	706.4	0	24-Hr	All	1st	YES
502500	4858500	1.26175	685.4	685.4	0	24-Hr	All	1st	YES
502500	4859000	1.7519	692.6	692.6	0	24-Hr	All	1st	YES
502500	4859500	1.60935	692.8	692.8	0	24-Hr	All	1st	YES
503000	4859500	1.50991	696	696	0	24-Hr	All	1st	YES
503500	4859500	1.47449	696.5	696.5	0	24-Hr	All	1st	YES
504000	4859500	1.24869	701.7	701.7	0	24-Hr	All	1st	YES
503000	4860000	1.3282	696.7	696.7	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503673.1	4857778	1.65539	693.2	693.2	0	24-Hr	All	1st	YES
503697.9	4857778	1.68445	693.3	693.3	0	24-Hr	All	1st	YES
503722.7	4857778	1.71066	693.3	693.3	0	24-Hr	All	1st	YES
503747.5	4857777	1.71321	693.6	693.6	0	24-Hr	All	1st	YES
503772.3	4857777	1.70085	694	694	0	24-Hr	All	1st	YES
503797.1	4857777	1.71007	694.4	694.4	0	24-Hr	All	1st	YES
503821.9	4857777	1.85858	694.6	694.6	0	24-Hr	All	1st	YES
503846.7	4857777	2.06661	694.8	694.8	0	24-Hr	All	1st	YES
503871.5	4857777	2.35575	695	695	0	24-Hr	All	1st	YES
503896.3	4857777	2.64474	695	695	0	24-Hr	All	1st	YES
503921.1	4857777	2.86195	694.8	694.8	0	24-Hr	All	1st	YES
503945.9	4857777	2.93208	694.6	694.6	0	24-Hr	All	1st	YES
503970.7	4857777	3.15074	694.5	694.5	0	24-Hr	All	1st	YES
503995.5	4857777	5.89071	693.5	693.5	0	24-Hr	All	1st	YES
504020.3	4857776	4.8104	693.3	693.3	0	24-Hr	All	1st	YES
504045.1	4857776	5.33444	692.9	692.9	0	24-Hr	All	1st	YES
504069.9	4857776	6.4531	692.5	692.5	0	24-Hr	All	1st	YES
504094.7	4857776	6.19884	693.4	693.4	0	24-Hr	All	1st	YES
504119.5	4857776	6.53763	694.8	694.8	0	24-Hr	All	1st	YES
504144.3	4857776	5.63417	695.7	695.7	0	24-Hr	All	1st	YES
504169.1	4857776	6.04884	696.1	696.1	0	24-Hr	All	1st	YES
504193.9	4857776	7.11739	696.2	696.2	0	24-Hr	All	1st	YES
504218.7	4857776	6.43722	696.2	696.2	0	24-Hr	All	1st	YES
504243.5	4857776	5.76267	695.8	695.8	0	24-Hr	All	1st	YES
504268.3	4857775	5.3374	695.7	695.7	0	24-Hr	All	1st	YES
504293.1	4857775	4.87988	696.9	696.9	0	24-Hr	All	1st	YES
504317.9	4857775	4.46023	697.9	697.9	0	24-Hr	All	1st	YES
504314.7	4857795	4.4978	697.4	697.4	0	24-Hr	All	1st	YES
504313.2	4857819	4.79268	696.5	696.5	0	24-Hr	All	1st	YES
504311.8	4857844	4.88409	695.8	695.8	0	24-Hr	All	1st	YES
504310.3	4857868	5.3297	695.8	695.8	0	24-Hr	All	1st	YES
504308.9	4857892	5.4435	696	696	0	24-Hr	All	1st	YES
504307.4	4857917	5.33841	696	696	0	24-Hr	All	1st	YES
504294.9	4857927	5.43316	695.8	695.8	0	24-Hr	All	1st	YES
504282.3	4857936	5.48021	695.2	695.2	0	24-Hr	All	1st	YES
504265.6	4857936	6.03225	694.7	694.7	0	24-Hr	All	1st	YES
504248.9	4857936	7.10858	694.2	694.2	0	24-Hr	All	1st	YES
504232.2	4857935	9.70654	693.5	693.5	0	24-Hr	All	1st	YES
504230.2	4857959	9.69189	693.3	693.3	0	24-Hr	All	1st	YES
504228.3	4857982	8.99965	693.4	693.4	0	24-Hr	All	1st	YES
504226.4	4858005	8.0099	693.8	693.8	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504224.4	4858028	6.12346	694.4	694.4	0	24-Hr	All	1st	YES
504222.5	4858051	5.12359	694.9	694.9	0	24-Hr	All	1st	YES
504200.6	4858051	6.60554	694.6	694.6	0	24-Hr	All	1st	YES
504178.8	4858051	8.64225	694.3	694.3	0	24-Hr	All	1st	YES
504156.9	4858051	9.49423	693.7	693.7	0	24-Hr	All	1st	YES
504135.1	4858051	9.62491	693.4	693.4	0	24-Hr	All	1st	YES
504113.2	4858051	8.99286	693	693	0	24-Hr	All	1st	YES
504091.4	4858051	7.36873	692.7	692.7	0	24-Hr	All	1st	YES
504089.8	4858033	9.65865	692.2	692.2	0	24-Hr	All	1st	YES
504066.2	4858035	9.75956	691.9	691.9	0	24-Hr	All	1st	YES
504042.7	4858036	9.0042	691.7	691.7	0	24-Hr	All	1st	YES
504019.1	4858037	10.01405	691.5	691.5	0	24-Hr	All	1st	YES
503995.5	4858039	10.65804	691.3	691.3	0	24-Hr	All	1st	YES
503972	4858040	10.19299	691.2	691.2	0	24-Hr	All	1st	YES
503948.4	4858041	10.01114	691.1	691.1	0	24-Hr	All	1st	YES
503924.8	4858043	8.64816	690.7	690.7	0	24-Hr	All	1st	YES
503901.3	4858044	7.38349	690.2	690.2	0	24-Hr	All	1st	YES
503878.2	4858049	6.64115	690	690	0	24-Hr	All	1st	YES
503855	4858053	6.05849	689.9	689.9	0	24-Hr	All	1st	YES
503831.9	4858058	5.52719	689.7	689.7	0	24-Hr	All	1st	YES
503808.8	4858063	5.07126	689.6	689.6	0	24-Hr	All	1st	YES
503785.7	4858068	4.62418	689.4	689.4	0	24-Hr	All	1st	YES
503762.6	4858072	4.23477	689.1	689.1	0	24-Hr	All	1st	YES
503739.5	4858077	3.81278	688.9	688.9	0	24-Hr	All	1st	YES
503720.6	4858074	3.48262	689	689	0	24-Hr	All	1st	YES
503701.8	4858071	3.47413	689.7	689.7	0	24-Hr	All	1st	YES
503683	4858068	3.47909	690.4	690.4	0	24-Hr	All	1st	YES
503664.2	4858065	3.31734	690.3	690.3	0	24-Hr	All	1st	YES
503665	4858041	3.41647	690.6	690.6	0	24-Hr	All	1st	YES
503665.7	4858017	3.08257	690.8	690.8	0	24-Hr	All	1st	YES
503666.4	4857993	2.33512	691.3	691.3	0	24-Hr	All	1st	YES
503667.2	4857969	2.0643	691.8	691.8	0	24-Hr	All	1st	YES
503667.9	4857945	2.00759	692.4	692.4	0	24-Hr	All	1st	YES
503668.7	4857921	1.89702	692.7	692.7	0	24-Hr	All	1st	YES
503669.4	4857897	1.92378	692.9	692.9	0	24-Hr	All	1st	YES
503670.1	4857873	1.87076	692.9	692.9	0	24-Hr	All	1st	YES
503670.9	4857850	1.96007	692.4	692.4	0	24-Hr	All	1st	YES
503671.6	4857826	1.88315	692.3	692.3	0	24-Hr	All	1st	YES
503672.4	4857802	1.73125	692.7	692.7	0	24-Hr	All	1st	YES
503550	4857675	1.38096	694.1	694.1	0	24-Hr	All	1st	YES
503575	4857675	1.34938	694.2	694.2	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503600	4857675	1.28473	694.4	694.4	0	24-Hr	All	1st	YES
503625	4857675	1.23128	694.4	694.4	0	24-Hr	All	1st	YES
503650	4857675	1.22712	694.4	694.4	0	24-Hr	All	1st	YES
503675	4857675	1.28884	694.5	694.5	0	24-Hr	All	1st	YES
503700	4857675	1.40278	694.5	694.5	0	24-Hr	All	1st	YES
503725	4857675	1.5493	694.3	694.3	0	24-Hr	All	1st	YES
503750	4857675	1.64804	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857675	1.70942	694.3	694.3	0	24-Hr	All	1st	YES
503800	4857675	1.73961	695.2	695.2	0	24-Hr	All	1st	YES
503825	4857675	1.83458	696	696	0	24-Hr	All	1st	YES
503850	4857675	1.93636	696	696	0	24-Hr	All	1st	YES
503875	4857675	2.11037	696	696	0	24-Hr	All	1st	YES
503900	4857675	2.39325	696.1	696.1	0	24-Hr	All	1st	YES
503925	4857675	2.46495	696.2	696.2	0	24-Hr	All	1st	YES
503950	4857675	2.38412	696.1	696.1	0	24-Hr	All	1st	YES
503975	4857675	2.53305	696	696	0	24-Hr	All	1st	YES
504000	4857675	2.84972	696	696	0	24-Hr	All	1st	YES
504025	4857675	3.1359	695.8	695.8	0	24-Hr	All	1st	YES
504050	4857675	3.659	696	696	0	24-Hr	All	1st	YES
504075	4857675	3.25192	695.9	695.9	0	24-Hr	All	1st	YES
504100	4857675	3.54452	695.4	695.4	0	24-Hr	All	1st	YES
504125	4857675	3.68651	694.8	694.8	0	24-Hr	All	1st	YES
504150	4857675	3.60344	694.1	694.1	0	24-Hr	All	1st	YES
504175	4857675	3.33671	695.1	695.1	0	24-Hr	All	1st	YES
504200	4857675	3.20786	696.4	696.4	0	24-Hr	All	1st	YES
504225	4857675	2.89362	697.1	697.1	0	24-Hr	All	1st	YES
504250	4857675	2.74294	697.6	697.6	0	24-Hr	All	1st	YES
504275	4857675	2.82209	697.9	697.9	0	24-Hr	All	1st	YES
504300	4857675	3.07625	698.4	698.4	0	24-Hr	All	1st	YES
504325	4857675	3.20801	698.9	698.9	0	24-Hr	All	1st	YES
504350	4857675	3.06894	700.1	700.1	0	24-Hr	All	1st	YES
504375	4857675	2.88144	700.8	700.8	0	24-Hr	All	1st	YES
504400	4857675	2.7872	701.3	701.3	0	24-Hr	All	1st	YES
504425	4857675	2.74393	701.7	701.7	0	24-Hr	All	1st	YES
503550	4857700	1.3927	693.7	693.7	0	24-Hr	All	1st	YES
503575	4857700	1.42357	693.9	693.9	0	24-Hr	All	1st	YES
503600	4857700	1.43656	694	694	0	24-Hr	All	1st	YES
503625	4857700	1.41045	694.1	694.1	0	24-Hr	All	1st	YES
503650	4857700	1.3437	694.2	694.2	0	24-Hr	All	1st	YES
503675	4857700	1.29055	694.3	694.3	0	24-Hr	All	1st	YES
503700	4857700	1.33497	694.3	694.3	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503725	4857700	1.44184	694.1	694.1	0	24-Hr	All	1st	YES
503750	4857700	1.61484	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857700	1.73091	694.5	694.5	0	24-Hr	All	1st	YES
503800	4857700	1.79085	695.4	695.4	0	24-Hr	All	1st	YES
503825	4857700	1.84135	696.1	696.1	0	24-Hr	All	1st	YES
503850	4857700	1.95985	696.2	696.2	0	24-Hr	All	1st	YES
503875	4857700	2.05632	696.1	696.1	0	24-Hr	All	1st	YES
503900	4857700	2.24374	696.1	696.1	0	24-Hr	All	1st	YES
503925	4857700	2.63115	696	696	0	24-Hr	All	1st	YES
503950	4857700	2.74817	695.9	695.9	0	24-Hr	All	1st	YES
503975	4857700	2.67415	695.7	695.7	0	24-Hr	All	1st	YES
504000	4857700	3.09081	695.5	695.5	0	24-Hr	All	1st	YES
504025	4857700	3.49297	695.3	695.3	0	24-Hr	All	1st	YES
504050	4857700	4.06359	695.3	695.3	0	24-Hr	All	1st	YES
504075	4857700	3.65005	694.9	694.9	0	24-Hr	All	1st	YES
504100	4857700	3.90598	694	694	0	24-Hr	All	1st	YES
504125	4857700	4.23067	692.9	692.9	0	24-Hr	All	1st	YES
504150	4857700	4.04009	693.1	693.1	0	24-Hr	All	1st	YES
504175	4857700	3.64601	694.9	694.9	0	24-Hr	All	1st	YES
504200	4857700	3.42252	695.7	695.7	0	24-Hr	All	1st	YES
504225	4857700	3.20206	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857700	3.27855	697.1	697.1	0	24-Hr	All	1st	YES
504275	4857700	3.68544	697.3	697.3	0	24-Hr	All	1st	YES
504300	4857700	3.74077	697.9	697.9	0	24-Hr	All	1st	YES
504325	4857700	3.42722	699.2	699.2	0	24-Hr	All	1st	YES
504350	4857700	3.26236	700.1	700.1	0	24-Hr	All	1st	YES
504375	4857700	3.14199	700.8	700.8	0	24-Hr	All	1st	YES
504400	4857700	3.07441	701.1	701.1	0	24-Hr	All	1st	YES
504425	4857700	2.97349	701.5	701.5	0	24-Hr	All	1st	YES
503550	4857725	1.3946	693.5	693.5	0	24-Hr	All	1st	YES
503575	4857725	1.43917	693.5	693.5	0	24-Hr	All	1st	YES
503600	4857725	1.46462	693.7	693.7	0	24-Hr	All	1st	YES
503625	4857725	1.49038	693.7	693.7	0	24-Hr	All	1st	YES
503650	4857725	1.50459	693.9	693.9	0	24-Hr	All	1st	YES
503675	4857725	1.47092	694	694	0	24-Hr	All	1st	YES
503700	4857725	1.43167	694	694	0	24-Hr	All	1st	YES
503725	4857725	1.39291	694	694	0	24-Hr	All	1st	YES
503750	4857725	1.51159	694.2	694.2	0	24-Hr	All	1st	YES
503775	4857725	1.64659	694.5	694.5	0	24-Hr	All	1st	YES
503800	4857725	1.79836	695.1	695.1	0	24-Hr	All	1st	YES
503825	4857725	1.85581	695.7	695.7	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503850	4857725	2.0059	696	696	0	24-Hr	All	1st	YES
503875	4857725	2.16749	695.9	695.9	0	24-Hr	All	1st	YES
503900	4857725	2.31262	695.8	695.8	0	24-Hr	All	1st	YES
503925	4857725	2.47492	695.6	695.6	0	24-Hr	All	1st	YES
503950	4857725	2.92317	695.5	695.5	0	24-Hr	All	1st	YES
503975	4857725	3.13704	695.2	695.2	0	24-Hr	All	1st	YES
504000	4857725	3.22453	695	695	0	24-Hr	All	1st	YES
504025	4857725	3.73857	694.8	694.8	0	24-Hr	All	1st	YES
504050	4857725	4.50227	694.5	694.5	0	24-Hr	All	1st	YES
504075	4857725	4.21982	693.4	693.4	0	24-Hr	All	1st	YES
504100	4857725	4.38816	692.7	692.7	0	24-Hr	All	1st	YES
504125	4857725	4.7785	692.9	692.9	0	24-Hr	All	1st	YES
504150	4857725	4.36862	694.5	694.5	0	24-Hr	All	1st	YES
504175	4857725	4.08261	695.5	695.5	0	24-Hr	All	1st	YES
504200	4857725	3.8513	696	696	0	24-Hr	All	1st	YES
504225	4857725	3.90808	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857725	4.45205	696.6	696.6	0	24-Hr	All	1st	YES
504275	4857725	4.36087	696.9	696.9	0	24-Hr	All	1st	YES
504300	4857725	4.04578	697.4	697.4	0	24-Hr	All	1st	YES
504325	4857725	3.77525	699.1	699.1	0	24-Hr	All	1st	YES
504350	4857725	3.62638	699.9	699.9	0	24-Hr	All	1st	YES
504375	4857725	3.43696	700.5	700.5	0	24-Hr	All	1st	YES
504400	4857725	3.25885	700.7	700.7	0	24-Hr	All	1st	YES
504425	4857725	3.04947	701	701	0	24-Hr	All	1st	YES
503550	4857750	1.39546	693	693	0	24-Hr	All	1st	YES
503575	4857750	1.42606	693.1	693.1	0	24-Hr	All	1st	YES
503600	4857750	1.48054	693.2	693.2	0	24-Hr	All	1st	YES
503625	4857750	1.51146	693.4	693.4	0	24-Hr	All	1st	YES
503650	4857750	1.56155	693.5	693.5	0	24-Hr	All	1st	YES
503675	4857750	1.58828	693.6	693.6	0	24-Hr	All	1st	YES
503700	4857750	1.58671	693.7	693.7	0	24-Hr	All	1st	YES
503725	4857750	1.54848	693.8	693.8	0	24-Hr	All	1st	YES
503750	4857750	1.50625	694	694	0	24-Hr	All	1st	YES
503775	4857750	1.60736	694.3	694.3	0	24-Hr	All	1st	YES
503800	4857750	1.73541	694.8	694.8	0	24-Hr	All	1st	YES
503825	4857750	1.88479	695.2	695.2	0	24-Hr	All	1st	YES
503850	4857750	2.03032	695.4	695.4	0	24-Hr	All	1st	YES
503875	4857750	2.30092	695.5	695.5	0	24-Hr	All	1st	YES
503900	4857750	2.47045	695.4	695.4	0	24-Hr	All	1st	YES
503925	4857750	2.59029	695.3	695.3	0	24-Hr	All	1st	YES
503950	4857750	2.76102	695.1	695.1	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503975	4857750	3.38797	694.6	694.6	0	24-Hr	All	1st	YES
504000	4857750	3.77836	694.5	694.5	0	24-Hr	All	1st	YES
504025	4857750	4.07973	694.1	694.1	0	24-Hr	All	1st	YES
504050	4857750	4.87417	693.2	693.2	0	24-Hr	All	1st	YES
504075	4857750	5.11155	692.6	692.6	0	24-Hr	All	1st	YES
504100	4857750	5.26053	693	693	0	24-Hr	All	1st	YES
504125	4857750	5.53259	694.5	694.5	0	24-Hr	All	1st	YES
504150	4857750	4.85531	695.7	695.7	0	24-Hr	All	1st	YES
504175	4857750	4.6866	696.1	696.1	0	24-Hr	All	1st	YES
504200	4857750	4.87138	696.3	696.3	0	24-Hr	All	1st	YES
504225	4857750	5.50009	696.4	696.4	0	24-Hr	All	1st	YES
504250	4857750	5.15204	695.9	695.9	0	24-Hr	All	1st	YES
504275	4857750	4.75892	696.2	696.2	0	24-Hr	All	1st	YES
504300	4857750	4.45765	697.5	697.5	0	24-Hr	All	1st	YES
504325	4857750	4.14094	698.7	698.7	0	24-Hr	All	1st	YES
504350	4857750	3.90168	699	699	0	24-Hr	All	1st	YES
504375	4857750	3.63534	699.1	699.1	0	24-Hr	All	1st	YES
504400	4857750	3.2881	699.6	699.6	0	24-Hr	All	1st	YES
504425	4857750	2.94399	700.4	700.4	0	24-Hr	All	1st	YES
503550	4857775	1.44672	692.7	692.7	0	24-Hr	All	1st	YES
503575	4857775	1.48296	692.6	692.6	0	24-Hr	All	1st	YES
503600	4857775	1.51855	692.7	692.7	0	24-Hr	All	1st	YES
503625	4857775	1.56274	692.9	692.9	0	24-Hr	All	1st	YES
503650	4857775	1.60446	693.1	693.1	0	24-Hr	All	1st	YES
503675	4857775	1.64128	693.2	693.2	0	24-Hr	All	1st	YES
503700	4857775	1.67832	693.3	693.3	0	24-Hr	All	1st	YES
503725	4857775	1.6913	693.4	693.4	0	24-Hr	All	1st	YES
503750	4857775	1.69907	693.6	693.6	0	24-Hr	All	1st	YES
503775	4857775	1.66683	694.1	694.1	0	24-Hr	All	1st	YES
503800	4857775	1.72025	694.5	694.5	0	24-Hr	All	1st	YES
503825	4857775	1.88619	694.7	694.7	0	24-Hr	All	1st	YES
503850	4857775	2.11134	694.9	694.9	0	24-Hr	All	1st	YES
503875	4857775	2.36886	695	695	0	24-Hr	All	1st	YES
503900	4857775	2.67636	695	695	0	24-Hr	All	1st	YES
503925	4857775	2.87721	694.8	694.8	0	24-Hr	All	1st	YES
503950	4857775	2.93143	694.6	694.6	0	24-Hr	All	1st	YES
503975	4857775	3.22977	694.3	694.3	0	24-Hr	All	1st	YES
504000	4857775	4.72102	693.5	693.5	0	24-Hr	All	1st	YES
504025	4857775	4.55537	693.3	693.3	0	24-Hr	All	1st	YES
504050	4857775	5.50276	692.8	692.8	0	24-Hr	All	1st	YES
504075	4857775	6.19453	692.5	692.5	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504100	4857775	6.62072	693.8	693.8	0	24-Hr	All	1st	YES
504125	4857775	6.26926	695	695	0	24-Hr	All	1st	YES
504150	4857775	5.71828	695.9	695.9	0	24-Hr	All	1st	YES
504175	4857775	6.21014	696.1	696.1	0	24-Hr	All	1st	YES
504200	4857775	7.0141	696.3	696.3	0	24-Hr	All	1st	YES
504225	4857775	6.23699	696.1	696.1	0	24-Hr	All	1st	YES
504250	4857775	5.65208	695.7	695.7	0	24-Hr	All	1st	YES
504275	4857775	5.20801	695.9	695.9	0	24-Hr	All	1st	YES
504300	4857775	4.73728	697.3	697.3	0	24-Hr	All	1st	YES
504325	4857775	4.33203	698	698	0	24-Hr	All	1st	YES
504350	4857775	3.93324	698	698	0	24-Hr	All	1st	YES
504375	4857775	3.58033	697.9	697.9	0	24-Hr	All	1st	YES
504400	4857775	3.22933	699.2	699.2	0	24-Hr	All	1st	YES
504425	4857775	2.9083	700	700	0	24-Hr	All	1st	YES
503550	4857800	1.50794	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857800	1.55301	692.2	692.2	0	24-Hr	All	1st	YES
503600	4857800	1.59993	692.2	692.2	0	24-Hr	All	1st	YES
503625	4857800	1.66148	692.3	692.3	0	24-Hr	All	1st	YES
503650	4857800	1.68682	692.5	692.5	0	24-Hr	All	1st	YES
504325	4857800	4.37714	697.3	697.3	0	24-Hr	All	1st	YES
504350	4857800	4.04159	697.4	697.4	0	24-Hr	All	1st	YES
504375	4857800	3.67313	698	698	0	24-Hr	All	1st	YES
504400	4857800	3.27012	699.1	699.1	0	24-Hr	All	1st	YES
504425	4857800	2.9755	700	700	0	24-Hr	All	1st	YES
503550	4857825	1.57266	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857825	1.64381	692.1	692.1	0	24-Hr	All	1st	YES
503600	4857825	1.71588	691.8	691.8	0	24-Hr	All	1st	YES
503625	4857825	1.78117	691.6	691.6	0	24-Hr	All	1st	YES
503650	4857825	1.83239	691.8	691.8	0	24-Hr	All	1st	YES
504325	4857825	4.55994	696.4	696.4	0	24-Hr	All	1st	YES
504350	4857825	4.13015	696.8	696.8	0	24-Hr	All	1st	YES
504375	4857825	3.73662	697.9	697.9	0	24-Hr	All	1st	YES
504400	4857825	3.37749	698.9	698.9	0	24-Hr	All	1st	YES
504425	4857825	3.09892	699.4	699.4	0	24-Hr	All	1st	YES
503550	4857850	1.56909	692.5	692.5	0	24-Hr	All	1st	YES
503575	4857850	1.62336	692	692	0	24-Hr	All	1st	YES
503600	4857850	1.6729	691.5	691.5	0	24-Hr	All	1st	YES
503625	4857850	1.76405	691.3	691.3	0	24-Hr	All	1st	YES
503650	4857850	1.87165	691.6	691.6	0	24-Hr	All	1st	YES
504325	4857850	4.71104	695.8	695.8	0	24-Hr	All	1st	YES
504350	4857850	4.31979	696.4	696.4	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4857850	3.953	697.5	697.5	0	24-Hr	All	1st	YES
504400	4857850	3.61895	698.4	698.4	0	24-Hr	All	1st	YES
504425	4857850	3.35476	698.7	698.7	0	24-Hr	All	1st	YES
503550	4857875	1.59508	692.5	692.5	0	24-Hr	All	1st	YES
503575	4857875	1.65326	692.2	692.2	0	24-Hr	All	1st	YES
503600	4857875	1.70335	691.4	691.4	0	24-Hr	All	1st	YES
503625	4857875	1.75003	691.2	691.2	0	24-Hr	All	1st	YES
503650	4857875	1.81973	692.4	692.4	0	24-Hr	All	1st	YES
504325	4857875	5.06962	696	696	0	24-Hr	All	1st	YES
504350	4857875	4.5754	696.3	696.3	0	24-Hr	All	1st	YES
504375	4857875	4.15837	697.2	697.2	0	24-Hr	All	1st	YES
504400	4857875	3.79605	697.9	697.9	0	24-Hr	All	1st	YES
504425	4857875	3.50072	698.2	698.2	0	24-Hr	All	1st	YES
503550	4857900	1.55526	692.6	692.6	0	24-Hr	All	1st	YES
503575	4857900	1.62949	692.4	692.4	0	24-Hr	All	1st	YES
503600	4857900	1.71247	691.5	691.5	0	24-Hr	All	1st	YES
503625	4857900	1.79804	691.2	691.2	0	24-Hr	All	1st	YES
503650	4857900	1.86037	692.7	692.7	0	24-Hr	All	1st	YES
504325	4857900	5.05615	696.1	696.1	0	24-Hr	All	1st	YES
504350	4857900	4.60305	696.4	696.4	0	24-Hr	All	1st	YES
504375	4857900	4.20373	696.6	696.6	0	24-Hr	All	1st	YES
504400	4857900	3.83443	697.2	697.2	0	24-Hr	All	1st	YES
504425	4857900	3.53767	697.7	697.7	0	24-Hr	All	1st	YES
503550	4857925	1.62778	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857925	1.68431	692.5	692.5	0	24-Hr	All	1st	YES
503600	4857925	1.74943	692.3	692.3	0	24-Hr	All	1st	YES
503625	4857925	1.83075	692.3	692.3	0	24-Hr	All	1st	YES
503650	4857925	1.87291	692.8	692.8	0	24-Hr	All	1st	YES
504300	4857925	5.37351	695.8	695.8	0	24-Hr	All	1st	YES
504325	4857925	4.92248	695.9	695.9	0	24-Hr	All	1st	YES
504350	4857925	4.51651	695.9	695.9	0	24-Hr	All	1st	YES
504375	4857925	4.14833	696	696	0	24-Hr	All	1st	YES
504400	4857925	3.80012	696.6	696.6	0	24-Hr	All	1st	YES
504425	4857925	3.49394	697.3	697.3	0	24-Hr	All	1st	YES
503550	4857950	1.61613	692.4	692.4	0	24-Hr	All	1st	YES
503575	4857950	1.67589	692.4	692.4	0	24-Hr	All	1st	YES
503600	4857950	1.73785	692.3	692.3	0	24-Hr	All	1st	YES
503625	4857950	1.8144	692.6	692.6	0	24-Hr	All	1st	YES
503650	4857950	1.9325	692.5	692.5	0	24-Hr	All	1st	YES
504250	4857950	6.97762	693.9	693.9	0	24-Hr	All	1st	YES
504275	4857950	5.43073	694.3	694.3	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504300	4857950	4.74397	694.9	694.9	0	24-Hr	All	1st	YES
504325	4857950	4.37053	695.2	695.2	0	24-Hr	All	1st	YES
504350	4857950	4.11002	695.4	695.4	0	24-Hr	All	1st	YES
504375	4857950	3.86023	695.7	695.7	0	24-Hr	All	1st	YES
504400	4857950	3.60218	696.3	696.3	0	24-Hr	All	1st	YES
504425	4857950	3.36508	696.8	696.8	0	24-Hr	All	1st	YES
503550	4857975	1.58624	692.2	692.2	0	24-Hr	All	1st	YES
503575	4857975	1.65304	692	692	0	24-Hr	All	1st	YES
503600	4857975	1.73586	691.8	691.8	0	24-Hr	All	1st	YES
503625	4857975	1.84105	691.5	691.5	0	24-Hr	All	1st	YES
503650	4857975	1.96793	691.4	691.4	0	24-Hr	All	1st	YES
504250	4857975	6.75267	693.8	693.8	0	24-Hr	All	1st	YES
504275	4857975	5.20283	693.9	693.9	0	24-Hr	All	1st	YES
504300	4857975	4.42451	694.2	694.2	0	24-Hr	All	1st	YES
504325	4857975	3.90833	694.6	694.6	0	24-Hr	All	1st	YES
504350	4857975	3.63752	695	695	0	24-Hr	All	1st	YES
504375	4857975	3.44678	695.4	695.4	0	24-Hr	All	1st	YES
504400	4857975	3.22258	695.8	695.8	0	24-Hr	All	1st	YES
504425	4857975	3.0417	696.2	696.2	0	24-Hr	All	1st	YES
503550	4858000	1.58166	692	692	0	24-Hr	All	1st	YES
503575	4858000	1.68803	691.6	691.6	0	24-Hr	All	1st	YES
503600	4858000	1.80748	691.1	691.1	0	24-Hr	All	1st	YES
503625	4858000	1.96858	690.6	690.6	0	24-Hr	All	1st	YES
503650	4858000	2.22178	690.6	690.6	0	24-Hr	All	1st	YES
504250	4858000	5.90525	694	694	0	24-Hr	All	1st	YES
504275	4858000	4.86009	694.1	694.1	0	24-Hr	All	1st	YES
504300	4858000	4.30992	694.3	694.3	0	24-Hr	All	1st	YES
504325	4858000	3.77716	694.3	694.3	0	24-Hr	All	1st	YES
504350	4858000	3.43174	694.6	694.6	0	24-Hr	All	1st	YES
504375	4858000	3.17084	694.9	694.9	0	24-Hr	All	1st	YES
504400	4858000	3.07517	695.3	695.3	0	24-Hr	All	1st	YES
504425	4858000	2.93489	696	696	0	24-Hr	All	1st	YES
503550	4858025	1.83296	691.6	691.6	0	24-Hr	All	1st	YES
503575	4858025	2.01757	691	691	0	24-Hr	All	1st	YES
503600	4858025	2.23496	690.4	690.4	0	24-Hr	All	1st	YES
503625	4858025	2.49055	689.9	689.9	0	24-Hr	All	1st	YES
503650	4858025	2.83606	689.9	689.9	0	24-Hr	All	1st	YES
504225	4858025	6.42501	694.4	694.4	0	24-Hr	All	1st	YES
504250	4858025	5.01118	694.5	694.5	0	24-Hr	All	1st	YES
504275	4858025	4.56059	694.6	694.6	0	24-Hr	All	1st	YES
504300	4858025	3.9848	694.7	694.7	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504325	4858025	3.53441	694.7	694.7	0	24-Hr	All	1st	YES
504350	4858025	3.21264	694.6	694.6	0	24-Hr	All	1st	YES
504375	4858025	2.98198	694.7	694.7	0	24-Hr	All	1st	YES
504400	4858025	2.76635	694.9	694.9	0	24-Hr	All	1st	YES
504425	4858025	2.65691	695.3	695.3	0	24-Hr	All	1st	YES
503550	4858050	2.2312	691.2	691.2	0	24-Hr	All	1st	YES
503575	4858050	2.43968	690.6	690.6	0	24-Hr	All	1st	YES
503600	4858050	2.62679	690	690	0	24-Hr	All	1st	YES
503625	4858050	2.86033	689.6	689.6	0	24-Hr	All	1st	YES
503650	4858050	3.1468	689.8	689.8	0	24-Hr	All	1st	YES
503875	4858050	6.53722	690	690	0	24-Hr	All	1st	YES
503900	4858050	7.33423	690.4	690.4	0	24-Hr	All	1st	YES
503925	4858050	8.75675	690.9	690.9	0	24-Hr	All	1st	YES
503950	4858050	9.58975	691.5	691.5	0	24-Hr	All	1st	YES
503975	4858050	9.30552	691.6	691.6	0	24-Hr	All	1st	YES
504000	4858050	8.98222	691.6	691.6	0	24-Hr	All	1st	YES
504025	4858050	8.32598	691.8	691.8	0	24-Hr	All	1st	YES
504050	4858050	7.49619	692.1	692.1	0	24-Hr	All	1st	YES
504075	4858050	6.99296	692.4	692.4	0	24-Hr	All	1st	YES
504225	4858050	5.03507	694.9	694.9	0	24-Hr	All	1st	YES
504250	4858050	4.24209	695.1	695.1	0	24-Hr	All	1st	YES
504275	4858050	4.08985	695.3	695.3	0	24-Hr	All	1st	YES
504300	4858050	3.80869	695.4	695.4	0	24-Hr	All	1st	YES
504325	4858050	3.3893	695.4	695.4	0	24-Hr	All	1st	YES
504350	4858050	2.97644	695.3	695.3	0	24-Hr	All	1st	YES
504375	4858050	2.74996	695	695	0	24-Hr	All	1st	YES
504400	4858050	2.54805	695	695	0	24-Hr	All	1st	YES
504425	4858050	2.39202	695.1	695.1	0	24-Hr	All	1st	YES
503550	4858075	2.49037	690.9	690.9	0	24-Hr	All	1st	YES
503575	4858075	2.6242	690.2	690.2	0	24-Hr	All	1st	YES
503600	4858075	2.74088	689.6	689.6	0	24-Hr	All	1st	YES
503625	4858075	2.86735	689.2	689.2	0	24-Hr	All	1st	YES
503650	4858075	3.13098	689.8	689.8	0	24-Hr	All	1st	YES
503675	4858075	3.41178	690.2	690.2	0	24-Hr	All	1st	YES
503700	4858075	3.45301	689.7	689.7	0	24-Hr	All	1st	YES
503725	4858075	3.53058	688.9	688.9	0	24-Hr	All	1st	YES
503750	4858075	3.9955	689	689	0	24-Hr	All	1st	YES
503775	4858075	4.51181	689.2	689.2	0	24-Hr	All	1st	YES
503800	4858075	4.98904	689.5	689.5	0	24-Hr	All	1st	YES
503825	4858075	5.37064	689.8	689.8	0	24-Hr	All	1st	YES
503850	4858075	5.9273	690.2	690.2	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503875	4858075	6.4801	690.8	690.8	0	24-Hr	All	1st	YES
503900	4858075	7.44773	691.3	691.3	0	24-Hr	All	1st	YES
503925	4858075	8.2588	691.9	691.9	0	24-Hr	All	1st	YES
503950	4858075	8.26541	692.3	692.3	0	24-Hr	All	1st	YES
503975	4858075	7.81933	692.6	692.6	0	24-Hr	All	1st	YES
504000	4858075	7.17671	692.6	692.6	0	24-Hr	All	1st	YES
504025	4858075	6.60948	692.6	692.6	0	24-Hr	All	1st	YES
504050	4858075	6.23933	692.9	692.9	0	24-Hr	All	1st	YES
504075	4858075	5.87045	693.2	693.2	0	24-Hr	All	1st	YES
504100	4858075	6.22705	693.5	693.5	0	24-Hr	All	1st	YES
504125	4858075	6.3119	693.8	693.8	0	24-Hr	All	1st	YES
504150	4858075	6.62698	694.2	694.2	0	24-Hr	All	1st	YES
504175	4858075	5.83028	694.7	694.7	0	24-Hr	All	1st	YES
504200	4858075	5.39521	695.1	695.1	0	24-Hr	All	1st	YES
504225	4858075	4.74631	695.4	695.4	0	24-Hr	All	1st	YES
504250	4858075	4.01535	695.7	695.7	0	24-Hr	All	1st	YES
504275	4858075	3.58858	695.9	695.9	0	24-Hr	All	1st	YES
504300	4858075	3.51389	696.1	696.1	0	24-Hr	All	1st	YES
504325	4858075	3.31545	696.1	696.1	0	24-Hr	All	1st	YES
504350	4858075	2.98798	696	696	0	24-Hr	All	1st	YES
504375	4858075	2.6359	695.8	695.8	0	24-Hr	All	1st	YES
504400	4858075	2.40028	695.6	695.6	0	24-Hr	All	1st	YES
504425	4858075	2.20627	695.6	695.6	0	24-Hr	All	1st	YES
503550	4858100	2.53639	690.5	690.5	0	24-Hr	All	1st	YES
503575	4858100	2.65241	689.8	689.8	0	24-Hr	All	1st	YES
503600	4858100	2.74154	689	689	0	24-Hr	All	1st	YES
503625	4858100	2.88016	688.8	688.8	0	24-Hr	All	1st	YES
503650	4858100	3.11482	689.5	689.5	0	24-Hr	All	1st	YES
503675	4858100	3.29981	689.8	689.8	0	24-Hr	All	1st	YES
503700	4858100	3.4932	689.1	689.1	0	24-Hr	All	1st	YES
503725	4858100	3.90091	688.8	688.8	0	24-Hr	All	1st	YES
503750	4858100	4.34003	688.8	688.8	0	24-Hr	All	1st	YES
503775	4858100	4.71605	689.2	689.2	0	24-Hr	All	1st	YES
503800	4858100	4.93172	689.7	689.7	0	24-Hr	All	1st	YES
503825	4858100	5.48887	690.2	690.2	0	24-Hr	All	1st	YES
503850	4858100	5.80142	690.8	690.8	0	24-Hr	All	1st	YES
503875	4858100	6.45893	691.5	691.5	0	24-Hr	All	1st	YES
503900	4858100	7.14827	692.2	692.2	0	24-Hr	All	1st	YES
503925	4858100	7.31175	692.9	692.9	0	24-Hr	All	1st	YES
503950	4858100	7.11919	693.4	693.4	0	24-Hr	All	1st	YES
503975	4858100	6.55726	693.8	693.8	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4858100	5.80462	693.8	693.8	0	24-Hr	All	1st	YES
504025	4858100	5.58938	693.8	693.8	0	24-Hr	All	1st	YES
504050	4858100	5.39129	693.8	693.8	0	24-Hr	All	1st	YES
504075	4858100	5.21581	694	694	0	24-Hr	All	1st	YES
504100	4858100	5.53052	694.1	694.1	0	24-Hr	All	1st	YES
504125	4858100	5.42577	694.2	694.2	0	24-Hr	All	1st	YES
504150	4858100	5.37396	694.6	694.6	0	24-Hr	All	1st	YES
504175	4858100	5.01481	695	695	0	24-Hr	All	1st	YES
504200	4858100	4.82244	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858100	4.43863	695.9	695.9	0	24-Hr	All	1st	YES
504250	4858100	3.93145	696.2	696.2	0	24-Hr	All	1st	YES
504275	4858100	3.4141	696.5	696.5	0	24-Hr	All	1st	YES
504300	4858100	3.14728	696.7	696.7	0	24-Hr	All	1st	YES
504325	4858100	3.11978	696.8	696.8	0	24-Hr	All	1st	YES
504350	4858100	2.96653	696.8	696.8	0	24-Hr	All	1st	YES
504375	4858100	2.69392	696.7	696.7	0	24-Hr	All	1st	YES
504400	4858100	2.39715	696.5	696.5	0	24-Hr	All	1st	YES
504425	4858100	2.16544	696.3	696.3	0	24-Hr	All	1st	YES
503550	4858125	2.57696	690.1	690.1	0	24-Hr	All	1st	YES
503575	4858125	2.65012	689.3	689.3	0	24-Hr	All	1st	YES
503600	4858125	2.67832	688.3	688.3	0	24-Hr	All	1st	YES
503625	4858125	2.84108	688.1	688.1	0	24-Hr	All	1st	YES
503650	4858125	3.13633	688.7	688.7	0	24-Hr	All	1st	YES
503675	4858125	3.41835	688.9	688.9	0	24-Hr	All	1st	YES
503700	4858125	3.82667	688.7	688.7	0	24-Hr	All	1st	YES
503725	4858125	4.18464	688.8	688.8	0	24-Hr	All	1st	YES
503750	4858125	4.43093	689	689	0	24-Hr	All	1st	YES
503775	4858125	4.59606	689.3	689.3	0	24-Hr	All	1st	YES
503800	4858125	5.10424	689.9	689.9	0	24-Hr	All	1st	YES
503825	4858125	5.27983	690.6	690.6	0	24-Hr	All	1st	YES
503850	4858125	5.83805	691.2	691.2	0	24-Hr	All	1st	YES
503875	4858125	6.30234	692	692	0	24-Hr	All	1st	YES
503900	4858125	6.5079	693	693	0	24-Hr	All	1st	YES
503925	4858125	6.54909	693.9	693.9	0	24-Hr	All	1st	YES
503950	4858125	6.14103	694.6	694.6	0	24-Hr	All	1st	YES
503975	4858125	5.4233	695	695	0	24-Hr	All	1st	YES
504000	4858125	4.8391	695.1	695.1	0	24-Hr	All	1st	YES
504025	4858125	4.86593	695.2	695.2	0	24-Hr	All	1st	YES
504050	4858125	4.79855	695	695	0	24-Hr	All	1st	YES
504075	4858125	4.82061	694.8	694.8	0	24-Hr	All	1st	YES
504100	4858125	5.06326	694.7	694.7	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504125	4858125	4.86471	694.6	694.6	0	24-Hr	All	1st	YES
504150	4858125	4.69184	694.8	694.8	0	24-Hr	All	1st	YES
504175	4858125	4.60158	695.2	695.2	0	24-Hr	All	1st	YES
504200	4858125	4.32304	695.6	695.6	0	24-Hr	All	1st	YES
504225	4858125	4.17745	696.1	696.1	0	24-Hr	All	1st	YES
504250	4858125	3.70407	696.6	696.6	0	24-Hr	All	1st	YES
504275	4858125	3.34222	696.9	696.9	0	24-Hr	All	1st	YES
504300	4858125	3.00268	697.2	697.2	0	24-Hr	All	1st	YES
504325	4858125	2.80949	697.5	697.5	0	24-Hr	All	1st	YES
504350	4858125	2.79633	697.6	697.6	0	24-Hr	All	1st	YES
504375	4858125	2.68099	697.6	697.6	0	24-Hr	All	1st	YES
504400	4858125	2.47074	697.5	697.5	0	24-Hr	All	1st	YES
504425	4858125	2.21254	697.4	697.4	0	24-Hr	All	1st	YES
503550	4858150	2.54234	689.5	689.5	0	24-Hr	All	1st	YES
503575	4858150	2.57541	688.1	688.1	0	24-Hr	All	1st	YES
503600	4858150	2.75263	687.1	687.1	0	24-Hr	All	1st	YES
503625	4858150	2.98275	687	687	0	24-Hr	All	1st	YES
503650	4858150	3.2664	687.3	687.3	0	24-Hr	All	1st	YES
503675	4858150	3.67484	687.8	687.8	0	24-Hr	All	1st	YES
503700	4858150	4.013	688.5	688.5	0	24-Hr	All	1st	YES
503725	4858150	4.20619	689	689	0	24-Hr	All	1st	YES
503750	4858150	4.31654	689.3	689.3	0	24-Hr	All	1st	YES
503775	4858150	4.72286	689.5	689.5	0	24-Hr	All	1st	YES
503800	4858150	4.79202	689.8	689.8	0	24-Hr	All	1st	YES
503825	4858150	5.32567	690.5	690.5	0	24-Hr	All	1st	YES
503850	4858150	5.79487	691.4	691.4	0	24-Hr	All	1st	YES
503875	4858150	5.95967	692.4	692.4	0	24-Hr	All	1st	YES
503900	4858150	6.0039	693.5	693.5	0	24-Hr	All	1st	YES
503925	4858150	5.8304	694.6	694.6	0	24-Hr	All	1st	YES
503950	4858150	5.36278	695.5	695.5	0	24-Hr	All	1st	YES
503975	4858150	4.56947	695.9	695.9	0	24-Hr	All	1st	YES
504000	4858150	4.3127	696	696	0	24-Hr	All	1st	YES
504025	4858150	4.33257	696	696	0	24-Hr	All	1st	YES
504050	4858150	4.46822	695.9	695.9	0	24-Hr	All	1st	YES
504075	4858150	4.49502	695.7	695.7	0	24-Hr	All	1st	YES
504100	4858150	4.64688	695.3	695.3	0	24-Hr	All	1st	YES
504125	4858150	4.41508	695.1	695.1	0	24-Hr	All	1st	YES
504150	4858150	4.27438	695	695	0	24-Hr	All	1st	YES
504175	4858150	4.22455	695.1	695.1	0	24-Hr	All	1st	YES
504200	4858150	3.9522	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858150	3.85279	696	696	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504250	4858150	3.6385	696.6	696.6	0	24-Hr	All	1st	YES
504275	4858150	3.17125	697.1	697.1	0	24-Hr	All	1st	YES
504300	4858150	2.88747	697.5	697.5	0	24-Hr	All	1st	YES
504325	4858150	2.70205	697.8	697.8	0	24-Hr	All	1st	YES
504350	4858150	2.52234	698.2	698.2	0	24-Hr	All	1st	YES
504375	4858150	2.5199	698.4	698.4	0	24-Hr	All	1st	YES
504400	4858150	2.44078	698.5	698.5	0	24-Hr	All	1st	YES
504425	4858150	2.27567	698.4	698.4	0	24-Hr	All	1st	YES
503550	4858175	2.58215	688.3	689	0	24-Hr	All	1st	YES
503575	4858175	2.68569	686.5	686.5	0	24-Hr	All	1st	YES
503600	4858175	2.89114	685.5	685.5	0	24-Hr	All	1st	YES
503625	4858175	3.12687	685.4	685.4	0	24-Hr	All	1st	YES
503650	4858175	3.44631	686.3	686.3	0	24-Hr	All	1st	YES
503675	4858175	3.75861	687.4	687.4	0	24-Hr	All	1st	YES
503700	4858175	3.94833	688.7	688.7	0	24-Hr	All	1st	YES
503725	4858175	4.09885	689.7	689.7	0	24-Hr	All	1st	YES
503750	4858175	4.44451	690	690	0	24-Hr	All	1st	YES
503775	4858175	4.44986	690	690	0	24-Hr	All	1st	YES
503800	4858175	4.85405	689.8	689.8	0	24-Hr	All	1st	YES
503825	4858175	5.29558	689.8	689.8	0	24-Hr	All	1st	YES
503850	4858175	5.55044	690.9	690.9	0	24-Hr	All	1st	YES
503875	4858175	5.50117	692.5	692.5	0	24-Hr	All	1st	YES
503900	4858175	5.43946	693.8	693.8	0	24-Hr	All	1st	YES
503925	4858175	5.20659	695	695	0	24-Hr	All	1st	YES
503950	4858175	4.62003	695.9	695.9	0	24-Hr	All	1st	YES
503975	4858175	3.96775	696.1	696.1	0	24-Hr	All	1st	YES
504000	4858175	3.9594	696.2	696.2	0	24-Hr	All	1st	YES
504025	4858175	4.01102	696.3	696.3	0	24-Hr	All	1st	YES
504050	4858175	4.17664	696.2	696.2	0	24-Hr	All	1st	YES
504075	4858175	4.20207	696	696	0	24-Hr	All	1st	YES
504100	4858175	4.29607	695.8	695.8	0	24-Hr	All	1st	YES
504125	4858175	4.04801	695.7	695.7	0	24-Hr	All	1st	YES
504150	4858175	3.93076	695.5	695.5	0	24-Hr	All	1st	YES
504175	4858175	3.901	695.2	695.2	0	24-Hr	All	1st	YES
504200	4858175	3.60236	695.4	695.4	0	24-Hr	All	1st	YES
504225	4858175	3.53121	695.8	695.8	0	24-Hr	All	1st	YES
504250	4858175	3.45513	696.2	696.2	0	24-Hr	All	1st	YES
504275	4858175	3.15064	696.8	696.8	0	24-Hr	All	1st	YES
504300	4858175	2.7676	697.3	697.3	0	24-Hr	All	1st	YES
504325	4858175	2.59827	697.9	697.9	0	24-Hr	All	1st	YES
504350	4858175	2.44525	698.5	698.5	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504375	4858175	2.28713	698.9	698.9	0	24-Hr	All	1st	YES
504400	4858175	2.27204	699.2	699.2	0	24-Hr	All	1st	YES
504425	4858175	2.21742	699.4	699.4	0	24-Hr	All	1st	YES
503550	4858200	2.68241	686.4	690.1	0	24-Hr	All	1st	YES
503575	4858200	2.86094	684.9	684.9	0	24-Hr	All	1st	YES
503600	4858200	3.03068	684	684	0	24-Hr	All	1st	YES
503625	4858200	3.22786	684.4	684.4	0	24-Hr	All	1st	YES
503650	4858200	3.48944	686	686	0	24-Hr	All	1st	YES
503675	4858200	3.61148	687.5	687.5	0	24-Hr	All	1st	YES
503700	4858200	3.8487	689	689	0	24-Hr	All	1st	YES
503725	4858200	4.1439	689.8	689.8	0	24-Hr	All	1st	YES
503750	4858200	4.15267	690.3	690.3	0	24-Hr	All	1st	YES
503775	4858200	4.57884	690.6	690.6	0	24-Hr	All	1st	YES
503800	4858200	4.96176	690.5	690.5	0	24-Hr	All	1st	YES
503825	4858200	5.13655	690.7	690.7	0	24-Hr	All	1st	YES
503850	4858200	5.14138	691.3	691.3	0	24-Hr	All	1st	YES
503875	4858200	5.08001	692.8	692.8	0	24-Hr	All	1st	YES
503900	4858200	5.00237	694	694	0	24-Hr	All	1st	YES
503925	4858200	4.64929	695.2	695.2	0	24-Hr	All	1st	YES
503950	4858200	4.06543	695.8	695.8	0	24-Hr	All	1st	YES
503975	4858200	3.66748	696	696	0	24-Hr	All	1st	YES
504000	4858200	3.75657	696.2	696.2	0	24-Hr	All	1st	YES
504025	4858200	3.75609	696.4	696.4	0	24-Hr	All	1st	YES
504050	4858200	3.94431	696.4	696.4	0	24-Hr	All	1st	YES
504075	4858200	3.9789	696.3	696.3	0	24-Hr	All	1st	YES
504100	4858200	3.98831	696.1	696.1	0	24-Hr	All	1st	YES
504125	4858200	3.73859	695.9	695.9	0	24-Hr	All	1st	YES
504150	4858200	3.64412	695.8	695.8	0	24-Hr	All	1st	YES
504175	4858200	3.59996	695.6	695.6	0	24-Hr	All	1st	YES
504200	4858200	3.37751	695.5	695.5	0	24-Hr	All	1st	YES
504225	4858200	3.3108	695.6	695.6	0	24-Hr	All	1st	YES
504250	4858200	3.23111	695.9	695.9	0	24-Hr	All	1st	YES
504275	4858200	3.09313	696.4	696.4	0	24-Hr	All	1st	YES
504300	4858200	2.70662	697.1	697.1	0	24-Hr	All	1st	YES
504325	4858200	2.45559	697.8	697.8	0	24-Hr	All	1st	YES
504350	4858200	2.35777	698.6	698.6	0	24-Hr	All	1st	YES
504375	4858200	2.21114	699.4	699.4	0	24-Hr	All	1st	YES
504400	4858200	2.06333	699.9	699.9	0	24-Hr	All	1st	YES
504425	4858200	2.06197	700.3	700.3	0	24-Hr	All	1st	YES
503900	4857100	1.22064	698	698	0	24-Hr	All	1st	YES
503500	4857200	1.21886	697.1	697.1	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503900	4857200	1.21926	699	701.8	0	24-Hr	All	1st	YES
504000	4857200	1.33968	702.3	702.3	0	24-Hr	All	1st	YES
503600	4857300	1.3321	697.4	697.4	0	24-Hr	All	1st	YES
503800	4857300	1.30146	699.5	699.5	0	24-Hr	All	1st	YES
503900	4857300	1.28438	701.8	701.8	0	24-Hr	All	1st	YES
504000	4857300	1.47517	702.4	702.4	0	24-Hr	All	1st	YES
503500	4857400	1.25371	697.1	697.1	0	24-Hr	All	1st	YES
503600	4857400	1.37107	696.7	696.7	0	24-Hr	All	1st	YES
503700	4857400	1.43523	697.1	697.1	0	24-Hr	All	1st	YES
503800	4857400	1.30559	700	700	0	24-Hr	All	1st	YES
503900	4857400	1.502	701	701	0	24-Hr	All	1st	YES
504000	4857400	1.73695	701.5	701.5	0	24-Hr	All	1st	YES
504100	4857400	1.49818	702.1	702.1	0	24-Hr	All	1st	YES
504200	4857400	1.51189	702	702	0	24-Hr	All	1st	YES
504300	4857400	1.48656	702.4	702.4	0	24-Hr	All	1st	YES
504400	4857400	1.20168	703.3	727.1	0	24-Hr	All	1st	YES
503600	4857500	1.3963	695.8	695.8	0	24-Hr	All	1st	YES
503700	4857500	1.59332	696.1	696.1	0	24-Hr	All	1st	YES
503800	4857500	1.55358	697.1	697.1	0	24-Hr	All	1st	YES
503900	4857500	1.78109	698.3	698.3	0	24-Hr	All	1st	YES
504000	4857500	1.96862	698.3	698.3	0	24-Hr	All	1st	YES
504100	4857500	1.95042	699.9	699.9	0	24-Hr	All	1st	YES
504200	4857500	1.96819	700.4	701.6	0	24-Hr	All	1st	YES
504300	4857500	1.64625	702	702	0	24-Hr	All	1st	YES
504400	4857500	1.35544	702.1	702.1	0	24-Hr	All	1st	YES
504500	4857500	1.36972	707.5	726.7	0	24-Hr	All	1st	YES
504600	4857500	1.28885	716.7	726.7	0	24-Hr	All	1st	YES
503600	4857600	1.22896	695	695	0	24-Hr	All	1st	YES
503700	4857600	1.49918	695.2	695.2	0	24-Hr	All	1st	YES
503800	4857600	1.86306	695.5	695.5	0	24-Hr	All	1st	YES
503900	4857600	1.91879	696	696	0	24-Hr	All	1st	YES
504000	4857600	2.34992	697	697	0	24-Hr	All	1st	YES
504100	4857600	2.63455	697.4	697.4	0	24-Hr	All	1st	YES
504200	4857600	2.57201	695.9	695.9	0	24-Hr	All	1st	YES
504300	4857600	1.88726	699.7	699.7	0	24-Hr	All	1st	YES
504400	4857600	2.16602	702	702	0	24-Hr	All	1st	YES
504500	4857600	1.95745	705.7	705.7	0	24-Hr	All	1st	YES
504600	4857600	1.73517	710.5	726.3	0	24-Hr	All	1st	YES
504700	4857600	1.24956	717.8	726.7	0	24-Hr	All	1st	YES
503500	4857700	1.33967	693.6	693.6	0	24-Hr	All	1st	YES
504500	4857700	2.37818	703.9	703.9	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504600	4857700	1.72567	707.5	707.5	0	24-Hr	All	1st	YES
504700	4857700	1.22019	712.8	726.8	0	24-Hr	All	1st	YES
503400	4857800	1.23471	691.4	691.4	0	24-Hr	All	1st	YES
503500	4857800	1.41561	692.4	692.4	0	24-Hr	All	1st	YES
504500	4857800	2.35074	702.4	702.4	0	24-Hr	All	1st	YES
504600	4857800	1.96995	704.3	704.3	0	24-Hr	All	1st	YES
504700	4857800	1.5372	708.7	708.7	0	24-Hr	All	1st	YES
504800	4857800	1.22296	713.1	713.1	0	24-Hr	All	1st	YES
503400	4857900	1.30686	692	692	0	24-Hr	All	1st	YES
503500	4857900	1.45217	692.1	692.1	0	24-Hr	All	1st	YES
504500	4857900	2.75483	700.1	700.1	0	24-Hr	All	1st	YES
504600	4857900	2.01579	703.7	703.7	0	24-Hr	All	1st	YES
504700	4857900	1.53744	706.9	706.9	0	24-Hr	All	1st	YES
503400	4858000	1.27794	693.1	693.1	0	24-Hr	All	1st	YES
503500	4858000	1.45548	692.7	692.7	0	24-Hr	All	1st	YES
504500	4858000	2.52188	697.1	697.1	0	24-Hr	All	1st	YES
504600	4858000	2.00943	701.8	701.8	0	24-Hr	All	1st	YES
504700	4858000	1.58638	704.3	704.3	0	24-Hr	All	1st	YES
504800	4858000	1.28146	707.3	707.3	0	24-Hr	All	1st	YES
503300	4858100	1.43093	692.4	692.4	0	24-Hr	All	1st	YES
503400	4858100	1.90172	692.5	692.5	0	24-Hr	All	1st	YES
503500	4858100	2.33668	691.9	691.9	0	24-Hr	All	1st	YES
504500	4858100	1.84364	696.1	696.1	0	24-Hr	All	1st	YES
504600	4858100	1.7809	697.7	697.7	0	24-Hr	All	1st	YES
504700	4858100	1.59511	700.7	700.7	0	24-Hr	All	1st	YES
504800	4858100	1.32204	704.1	704.1	0	24-Hr	All	1st	YES
503100	4858200	1.40212	691.7	691.7	0	24-Hr	All	1st	YES
503200	4858200	1.65654	691.8	691.8	0	24-Hr	All	1st	YES
503300	4858200	1.85505	691.5	691.5	0	24-Hr	All	1st	YES
503400	4858200	2.10316	691.2	691.2	0	24-Hr	All	1st	YES
503500	4858200	2.49832	690.4	690.4	0	24-Hr	All	1st	YES
504500	4858200	1.80318	700.8	700.8	0	24-Hr	All	1st	YES
504600	4858200	1.43552	699	699	0	24-Hr	All	1st	YES
504700	4858200	1.2883	698.9	698.9	0	24-Hr	All	1st	YES
504800	4858200	1.2425	700.3	700.3	0	24-Hr	All	1st	YES
504900	4858200	1.21216	701.8	701.8	0	24-Hr	All	1st	YES
502900	4858300	1.24286	691.2	691.2	0	24-Hr	All	1st	YES
503000	4858300	1.35272	690.9	690.9	0	24-Hr	All	1st	YES
503100	4858300	1.44472	689.7	689.7	0	24-Hr	All	1st	YES
503200	4858300	1.69498	691.6	691.6	0	24-Hr	All	1st	YES
503300	4858300	1.97456	690.2	690.2	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503400	4858300	2.46629	690.7	690.7	0	24-Hr	All	1st	YES
503500	4858300	2.76466	684	690.5	0	24-Hr	All	1st	YES
503600	4858300	3.1208	688.3	689.7	0	24-Hr	All	1st	YES
503700	4858300	3.94925	690.6	690.6	0	24-Hr	All	1st	YES
503800	4858300	4.04446	692.2	692.2	0	24-Hr	All	1st	YES
503900	4858300	3.49377	693.6	693.6	0	24-Hr	All	1st	YES
504000	4858300	3.02252	695.2	695.2	0	24-Hr	All	1st	YES
504100	4858300	3.14207	696.9	696.9	0	24-Hr	All	1st	YES
504200	4858300	2.74259	696.4	696.4	0	24-Hr	All	1st	YES
504300	4858300	2.35567	698.7	698.7	0	24-Hr	All	1st	YES
504400	4858300	1.74924	701.5	701.5	0	24-Hr	All	1st	YES
504500	4858300	1.50278	703.5	703.5	0	24-Hr	All	1st	YES
504600	4858300	1.4471	702.8	702.8	0	24-Hr	All	1st	YES
504700	4858300	1.25724	702.1	702.1	0	24-Hr	All	1st	YES
502900	4858400	1.24397	691.2	691.2	0	24-Hr	All	1st	YES
503000	4858400	1.25684	684.8	689.6	0	24-Hr	All	1st	YES
503100	4858400	1.59162	690.7	690.7	0	24-Hr	All	1st	YES
503200	4858400	1.91282	691.4	691.4	0	24-Hr	All	1st	YES
503300	4858400	2.03515	683.6	691.2	0	24-Hr	All	1st	YES
503400	4858400	2.33209	683.6	690.4	0	24-Hr	All	1st	YES
503500	4858400	2.33042	681.5	681.5	0	24-Hr	All	1st	YES
503600	4858400	3.11537	687.4	690	0	24-Hr	All	1st	YES
503700	4858400	3.43281	690.4	690.4	0	24-Hr	All	1st	YES
503800	4858400	3.489	690.8	690.8	0	24-Hr	All	1st	YES
503900	4858400	2.74134	691.1	691.1	0	24-Hr	All	1st	YES
504000	4858400	2.76536	692.3	692.3	0	24-Hr	All	1st	YES
504100	4858400	2.77799	694	694	0	24-Hr	All	1st	YES
504200	4858400	2.54078	693.7	693.7	0	24-Hr	All	1st	YES
504300	4858400	1.98755	696.6	696.6	0	24-Hr	All	1st	YES
504400	4858400	1.69363	700.2	700.2	0	24-Hr	All	1st	YES
504500	4858400	1.50377	701.7	701.7	0	24-Hr	All	1st	YES
504600	4858400	1.35703	701.5	701.5	0	24-Hr	All	1st	YES
504700	4858400	1.30743	701.8	701.8	0	24-Hr	All	1st	YES
502900	4858500	1.2257	686.5	686.5	0	24-Hr	All	1st	YES
503000	4858500	1.41078	685.3	691.6	0	24-Hr	All	1st	YES
503100	4858500	1.80949	690.5	690.5	0	24-Hr	All	1st	YES
503200	4858500	1.92166	684.4	691.6	0	24-Hr	All	1st	YES
503300	4858500	1.80245	679.5	690.8	0	24-Hr	All	1st	YES
503400	4858500	2.25283	685.3	685.3	0	24-Hr	All	1st	YES
503500	4858500	2.65773	687	687	0	24-Hr	All	1st	YES
503600	4858500	2.60764	683.2	690.3	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
503700	4858500	2.67568	684.8	684.8	0	24-Hr	All	1st	YES
503800	4858500	2.46359	685.7	690.3	0	24-Hr	All	1st	YES
503900	4858500	2.15257	686.3	691.8	0	24-Hr	All	1st	YES
504000	4858500	2.24892	687.5	687.5	0	24-Hr	All	1st	YES
504100	4858500	2.36829	688.7	688.7	0	24-Hr	All	1st	YES
504200	4858500	2.19741	689.5	689.5	0	24-Hr	All	1st	YES
504300	4858500	1.71745	696	696	0	24-Hr	All	1st	YES
504400	4858500	1.8595	694.9	694.9	0	24-Hr	All	1st	YES
504500	4858500	1.37112	696.9	696.9	0	24-Hr	All	1st	YES
504600	4858500	1.40551	697.2	697.2	0	24-Hr	All	1st	YES
504700	4858500	1.24125	699.8	699.8	0	24-Hr	All	1st	YES
503000	4858600	1.39089	676.6	691.6	0	24-Hr	All	1st	YES
503100	4858600	1.55672	677.6	691.6	0	24-Hr	All	1st	YES
503200	4858600	1.55583	681.3	690.3	0	24-Hr	All	1st	YES
503300	4858600	2.01138	684.8	690.7	0	24-Hr	All	1st	YES
503400	4858600	2.14855	683.5	691.5	0	24-Hr	All	1st	YES
503500	4858600	2.81358	691.2	691.2	0	24-Hr	All	1st	YES
503600	4858600	2.56598	690.1	690.1	0	24-Hr	All	1st	YES
503700	4858600	2.65926	690.1	690.1	0	24-Hr	All	1st	YES
503800	4858600	1.99776	689.4	689.8	0	24-Hr	All	1st	YES
503900	4858600	1.95875	689.3	689.7	0	24-Hr	All	1st	YES
504000	4858600	2.04729	688.7	688.7	0	24-Hr	All	1st	YES
504100	4858600	2.27606	692.3	692.3	0	24-Hr	All	1st	YES
504200	4858600	1.92651	696.5	696.5	0	24-Hr	All	1st	YES
504300	4858600	1.71458	694.9	694.9	0	24-Hr	All	1st	YES
504400	4858600	1.55097	695.6	695.6	0	24-Hr	All	1st	YES
504500	4858600	1.47521	697.3	697.3	0	24-Hr	All	1st	YES
504600	4858600	1.20098	698.4	698.4	0	24-Hr	All	1st	YES
504700	4858600	1.20327	699.8	699.8	0	24-Hr	All	1st	YES
502800	4858700	1.2784	686.1	692	0	24-Hr	All	1st	YES
502900	4858700	1.57699	689.2	690.1	0	24-Hr	All	1st	YES
503000	4858700	1.6646	690.1	690.1	0	24-Hr	All	1st	YES
503100	4858700	1.46736	683.9	690.9	0	24-Hr	All	1st	YES
503200	4858700	2.07927	690.6	690.6	0	24-Hr	All	1st	YES
503300	4858700	2.13035	688.8	689.6	0	24-Hr	All	1st	YES
503400	4858700	2.50392	689.5	689.5	0	24-Hr	All	1st	YES
503500	4858700	2.13475	687.2	689.5	0	24-Hr	All	1st	YES
503600	4858700	2.39672	690.9	690.9	0	24-Hr	All	1st	YES
503700	4858700	2.20427	692.1	692.1	0	24-Hr	All	1st	YES
503800	4858700	1.97661	692.2	692.2	0	24-Hr	All	1st	YES
503900	4858700	1.83541	692.1	692.1	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504000	4858700	1.95811	691.4	691.4	0	24-Hr	All	1st	YES
504100	4858700	2.05638	690.7	697.2	0	24-Hr	All	1st	YES
504200	4858700	1.75052	696	696	0	24-Hr	All	1st	YES
504300	4858700	1.7399	696.1	696.1	0	24-Hr	All	1st	YES
504400	4858700	1.28629	696.8	696.8	0	24-Hr	All	1st	YES
504500	4858700	1.38561	700.4	700.4	0	24-Hr	All	1st	YES
502800	4858800	1.48405	690.9	690.9	0	24-Hr	All	1st	YES
502900	4858800	1.46802	691	691	0	24-Hr	All	1st	YES
503000	4858800	1.6038	690.9	690.9	0	24-Hr	All	1st	YES
503100	4858800	1.83704	688.5	688.5	0	24-Hr	All	1st	YES
503200	4858800	1.97102	690.6	690.6	0	24-Hr	All	1st	YES
503300	4858800	2.27865	689.8	689.8	0	24-Hr	All	1st	YES
503400	4858800	2.07518	691.9	691.9	0	24-Hr	All	1st	YES
503500	4858800	2.08218	689	689	0	24-Hr	All	1st	YES
503600	4858800	2.13696	694.1	694.1	0	24-Hr	All	1st	YES
503700	4858800	1.70228	694.6	694.6	0	24-Hr	All	1st	YES
503800	4858800	1.75706	694.7	694.7	0	24-Hr	All	1st	YES
503900	4858800	1.7343	694.8	694.8	0	24-Hr	All	1st	YES
504000	4858800	1.72852	694.4	694.4	0	24-Hr	All	1st	YES
504100	4858800	1.8554	694	694	0	24-Hr	All	1st	YES
504200	4858800	1.60627	693.5	693.5	0	24-Hr	All	1st	YES
504300	4858800	1.62792	695.8	695.8	0	24-Hr	All	1st	YES
504400	4858800	1.22365	695.9	695.9	0	24-Hr	All	1st	YES
504500	4858800	1.20646	699.6	699.6	0	24-Hr	All	1st	YES
504600	4858800	1.20482	701	701	0	24-Hr	All	1st	YES
502600	4858900	1.28286	690.9	690.9	0	24-Hr	All	1st	YES
502700	4858900	1.34999	691.7	691.7	0	24-Hr	All	1st	YES
502900	4858900	1.50108	690.6	690.6	0	24-Hr	All	1st	YES
503000	4858900	1.76519	691.5	691.5	0	24-Hr	All	1st	YES
503100	4858900	1.76921	690	690	0	24-Hr	All	1st	YES
503200	4858900	2.09913	692.3	692.3	0	24-Hr	All	1st	YES
503300	4858900	1.96018	692.6	692.6	0	24-Hr	All	1st	YES
503400	4858900	1.80256	696.3	696.3	0	24-Hr	All	1st	YES
503500	4858900	1.98558	689.6	696.7	0	24-Hr	All	1st	YES
503600	4858900	1.74725	696.1	696.1	0	24-Hr	All	1st	YES
503700	4858900	1.45031	696.1	696.1	0	24-Hr	All	1st	YES
503800	4858900	1.44618	696.2	696.2	0	24-Hr	All	1st	YES
503900	4858900	1.59735	696.4	696.4	0	24-Hr	All	1st	YES
504000	4858900	1.52687	696.2	696.2	0	24-Hr	All	1st	YES
504100	4858900	1.65712	696.7	696.7	0	24-Hr	All	1st	YES
504200	4858900	1.43684	693.7	693.7	0	24-Hr	All	1st	YES

Scenario 2, 24-hour PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NAAQS Receptor?
504300	4858900	1.4549	695.5	695.5	0	24-Hr	All	1st	YES
502600	4859000	1.20631	691.6	691.6	0	24-Hr	All	1st	YES
502700	4859000	1.2275	693	693	0	24-Hr	All	1st	YES
502800	4859000	1.36137	688.6	689.5	0	24-Hr	All	1st	YES
502900	4859000	1.61584	690.7	690.7	0	24-Hr	All	1st	YES
503000	4859000	1.64723	692.1	692.1	0	24-Hr	All	1st	YES
503100	4859000	1.87436	692.2	692.2	0	24-Hr	All	1st	YES
503200	4859000	1.87365	694.2	694.2	0	24-Hr	All	1st	YES
503300	4859000	1.67342	696	696	0	24-Hr	All	1st	YES
503400	4859000	1.69162	696.5	696.5	0	24-Hr	All	1st	YES
503500	4859000	1.78872	689.7	696.9	0	24-Hr	All	1st	YES
503600	4859000	1.54162	692.7	696.3	0	24-Hr	All	1st	YES
503700	4859000	1.4931	694.9	694.9	0	24-Hr	All	1st	YES
503800	4859000	1.36278	695.9	695.9	0	24-Hr	All	1st	YES
503900	4859000	1.44259	697.3	697.3	0	24-Hr	All	1st	YES
504000	4859000	1.37436	697.5	697.5	0	24-Hr	All	1st	YES
504100	4859000	1.49521	698	698	0	24-Hr	All	1st	YES
504200	4859000	1.29252	696.3	696.3	0	24-Hr	All	1st	YES
504300	4859000	1.3151	696.6	696.6	0	24-Hr	All	1st	YES
504400	4859000	1.3033	695.7	695.7	0	24-Hr	All	1st	YES
502700	4859100	1.32871	692.4	692.4	0	24-Hr	All	1st	YES
502800	4859100	1.46504	689.8	689.8	0	24-Hr	All	1st	YES
502900	4859100	1.50647	691.1	691.1	0	24-Hr	All	1st	YES
503000	4859100	1.71959	692.3	692.3	0	24-Hr	All	1st	YES
503100	4859100	1.79605	693.3	693.3	0	24-Hr	All	1st	YES
503200	4859100	1.57128	694.6	694.6	0	24-Hr	All	1st	YES
503300	4859100	1.59002	695.9	695.9	0	24-Hr	All	1st	YES
503400	4859100	1.72561	696.6	696.6	0	24-Hr	All	1st	YES
503500	4859100	1.47479	696.8	696.8	0	24-Hr	All	1st	YES
503600	4859100	1.22844	695.9	695.9	0	24-Hr	All	1st	YES
503700	4859100	1.39756	695.9	695.9	0	24-Hr	All	1st	YES
503800	4859100	1.28637	696.3	696.3	0	24-Hr	All	1st	YES
503900	4859100	1.29561	697.6	697.6	0	24-Hr	All	1st	YES
504000	4859100	1.25212	698.3	698.3	0	24-Hr	All	1st	YES
504100	4859100	1.34904	699.2	699.2	0	24-Hr	All	1st	YES
502500	4859000	1.22337	692.6	692.6	0	24-Hr	All	1st	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503995.5	4858039	2.70001	691.33	691.33	0	ANNUAL	ALL	5	YES
504019.1	4858037	2.56433	691.46	691.46	0	ANNUAL	ALL	5	YES
503972	4858040	2.51746	691.23	691.23	0	ANNUAL	ALL	5	YES
504066.2	4858035	2.43508	691.92	691.92	0	ANNUAL	ALL	5	YES
504042.7	4858036	2.29865	691.68	691.68	0	ANNUAL	ALL	5	YES
503948.4	4858041	2.29803	691.13	691.13	0	ANNUAL	ALL	5	YES
503975	4858050	2.24262	691.62	691.62	0	ANNUAL	ALL	5	YES
504000	4858050	2.20179	691.59	691.59	0	ANNUAL	ALL	5	YES
503950	4858050	2.18387	691.46	691.46	0	ANNUAL	ALL	5	YES
504089.8	4858033	2.18336	692.23	692.23	0	ANNUAL	ALL	5	YES
503924.8	4858043	2.10334	690.7	690.7	0	ANNUAL	ALL	5	YES
503925	4858050	2.0389	690.9	690.9	0	ANNUAL	ALL	5	YES
504025	4858050	2.0229	691.76	691.76	0	ANNUAL	ALL	5	YES
503901.3	4858044	1.89372	690.21	690.21	0	ANNUAL	ALL	5	YES
503995.5	4857777	1.86742	693.51	693.51	0	ANNUAL	ALL	5	YES
503900	4858050	1.85526	690.35	690.35	0	ANNUAL	ALL	5	YES
503950	4858075	1.79458	692.31	692.31	0	ANNUAL	ALL	5	YES
504050	4858050	1.78576	692.06	692.06	0	ANNUAL	ALL	5	YES
503925	4858075	1.77289	691.87	691.87	0	ANNUAL	ALL	5	YES
503975	4858075	1.73919	692.58	692.58	0	ANNUAL	ALL	5	YES
503900	4858075	1.69976	691.28	691.28	0	ANNUAL	ALL	5	YES
503878.2	4858049	1.67979	690	690	0	ANNUAL	ALL	5	YES
503875	4858050	1.65252	690.02	690.02	0	ANNUAL	ALL	5	YES
504000	4858075	1.64278	692.58	692.58	0	ANNUAL	ALL	5	YES
504000	4857775	1.63198	693.53	693.53	0	ANNUAL	ALL	5	YES
504113.2	4858051	1.60033	692.97	692.97	0	ANNUAL	ALL	5	YES
503875	4858075	1.5894	690.81	690.81	0	ANNUAL	ALL	5	YES
504075	4858050	1.55587	692.4	692.4	0	ANNUAL	ALL	5	YES
504091.4	4858051	1.54789	692.66	692.66	0	ANNUAL	ALL	5	YES
504025	4858075	1.52	692.56	692.56	0	ANNUAL	ALL	5	YES
504135.1	4858051	1.50956	693.36	693.36	0	ANNUAL	ALL	5	YES
503900	4858100	1.48617	692.24	692.24	0	ANNUAL	ALL	5	YES
503855	4858053	1.48508	689.85	689.85	0	ANNUAL	ALL	5	YES
503925	4858100	1.48427	692.9	692.9	0	ANNUAL	ALL	5	YES
503875	4858100	1.45417	691.54	691.54	0	ANNUAL	ALL	5	YES
503850	4858075	1.44914	690.23	690.23	0	ANNUAL	ALL	5	YES
503950	4858100	1.43507	693.43	693.43	0	ANNUAL	ALL	5	YES
504232.2	4857935	1.41254	693.48	693.48	0	ANNUAL	ALL	5	YES
503850	4858100	1.38569	690.8	690.8	0	ANNUAL	ALL	5	YES
504050	4858075	1.36739	692.9	692.9	0	ANNUAL	ALL	5	YES
503975	4858100	1.36535	693.75	693.75	0	ANNUAL	ALL	5	YES
504156.9	4858051	1.31398	693.74	693.74	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503831.9	4858058	1.30702	689.7	689.7	0	ANNUAL	ALL	5	YES
503825	4858075	1.29215	689.81	689.81	0	ANNUAL	ALL	5	YES
504144.3	4857776	1.28973	695.72	695.72	0	ANNUAL	ALL	5	YES
503825	4858100	1.28835	690.18	690.18	0	ANNUAL	ALL	5	YES
504000	4858100	1.28505	693.81	693.81	0	ANNUAL	ALL	5	YES
503875	4858125	1.2821	692.03	692.03	0	ANNUAL	ALL	5	YES
504169.1	4857776	1.27952	696.07	696.07	0	ANNUAL	ALL	5	YES
504150	4857775	1.27852	695.87	695.87	0	ANNUAL	ALL	5	YES
504119.5	4857776	1.27851	694.76	694.76	0	ANNUAL	ALL	5	YES
503850	4858125	1.27464	691.16	691.16	0	ANNUAL	ALL	5	YES
504125	4857775	1.27108	694.97	694.97	0	ANNUAL	ALL	5	YES
503900	4858125	1.26438	692.97	692.97	0	ANNUAL	ALL	5	YES
504175	4857775	1.26165	696.13	696.13	0	ANNUAL	ALL	5	YES
504230.2	4857959	1.24911	693.33	693.33	0	ANNUAL	ALL	5	YES
504193.9	4857776	1.23212	696.24	696.24	0	ANNUAL	ALL	5	YES
503825	4858125	1.22977	690.55	690.55	0	ANNUAL	ALL	5	YES
504100	4857775	1.22487	693.75	693.75	0	ANNUAL	ALL	5	YES
503925	4858125	1.22317	693.89	693.89	0	ANNUAL	ALL	5	YES
504075	4858075	1.20811	693.15	693.15	0	ANNUAL	ALL	5	YES
504200	4857775	1.20575	696.28	696.28	0	ANNUAL	ALL	5	YES
504025	4858100	1.2012	693.75	693.75	0	ANNUAL	ALL	5	YES
504094.7	4857776	1.19927	693.35	693.35	0	ANNUAL	ALL	5	YES
503800	4858100	1.17694	689.68	689.68	0	ANNUAL	ALL	5	YES
504020.3	4857776	1.17488	693.31	693.31	0	ANNUAL	ALL	5	YES
503800	4858125	1.161	689.9	689.9	0	ANNUAL	ALL	5	YES
503950	4858125	1.15892	694.59	694.59	0	ANNUAL	ALL	5	YES
503808.8	4858063	1.15024	689.6	689.6	0	ANNUAL	ALL	5	YES
504218.7	4857776	1.13867	696.22	696.22	0	ANNUAL	ALL	5	YES
503850	4858150	1.13542	691.4	691.4	0	ANNUAL	ALL	5	YES
503800	4858075	1.1346	689.54	689.54	0	ANNUAL	ALL	5	YES
503825	4858150	1.13312	690.51	690.51	0	ANNUAL	ALL	5	YES
503875	4858150	1.11133	692.4	692.4	0	ANNUAL	ALL	5	YES
504225	4857775	1.11116	696.11	696.11	0	ANNUAL	ALL	5	YES
504100	4858075	1.1111	693.47	693.47	0	ANNUAL	ALL	5	YES
504025	4857775	1.10844	693.31	693.31	0	ANNUAL	ALL	5	YES
504178.8	4858051	1.10546	694.27	694.27	0	ANNUAL	ALL	5	YES
504050	4858100	1.10355	693.75	693.75	0	ANNUAL	ALL	5	YES
503975	4858125	1.09843	695.01	695.01	0	ANNUAL	ALL	5	YES
503800	4858150	1.0971	689.79	689.79	0	ANNUAL	ALL	5	YES
504228.3	4857982	1.08237	693.41	693.41	0	ANNUAL	ALL	5	YES
503900	4858150	1.07267	693.52	693.52	0	ANNUAL	ALL	5	YES
503775	4858125	1.0712	689.25	689.25	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503775	4858100	1.05247	689.21	689.21	0	ANNUAL	ALL	5	YES
503775	4858150	1.04856	689.49	689.49	0	ANNUAL	ALL	5	YES
504075	4857775	1.04534	692.53	692.53	0	ANNUAL	ALL	5	YES
504069.9	4857776	1.04425	692.49	692.49	0	ANNUAL	ALL	5	YES
504000	4858125	1.03963	695.08	695.08	0	ANNUAL	ALL	5	YES
504125	4858075	1.03513	693.84	693.84	0	ANNUAL	ALL	5	YES
504243.5	4857776	1.0347	695.84	695.84	0	ANNUAL	ALL	5	YES
504248.9	4857936	1.02755	694.22	694.22	0	ANNUAL	ALL	5	YES
503785.7	4858068	1.01919	689.38	689.38	0	ANNUAL	ALL	5	YES
503925	4858150	1.01769	694.6	694.6	0	ANNUAL	ALL	5	YES
504125	4857750	1.01613	694.51	694.51	0	ANNUAL	ALL	5	YES
503800	4858175	1.01379	689.83	689.83	0	ANNUAL	ALL	5	YES
504150	4857750	1.01303	695.7	695.7	0	ANNUAL	ALL	5	YES
503825	4858175	1.00923	689.82	689.82	0	ANNUAL	ALL	5	YES
504250	4857775	1.0066	695.73	695.73	0	ANNUAL	ALL	5	YES
504175	4857750	1.00516	696.13	696.13	0	ANNUAL	ALL	5	YES
503775	4858175	1.00029	689.97	689.97	0	ANNUAL	ALL	5	YES
503850	4858175	0.9987	690.9	690.9	0	ANNUAL	ALL	5	YES
504050	4857775	0.99661	692.8	692.8	0	ANNUAL	ALL	5	YES
504075	4858100	0.99578	694.01	694.01	0	ANNUAL	ALL	5	YES
504226.4	4858005	0.9945	693.76	693.76	0	ANNUAL	ALL	5	YES
504045.1	4857776	0.98845	692.9	692.9	0	ANNUAL	ALL	5	YES
504100	4857750	0.98825	693.04	693.04	0	ANNUAL	ALL	5	YES
503750	4858150	0.98818	689.26	689.26	0	ANNUAL	ALL	5	YES
503775	4858075	0.98347	689.23	689.23	0	ANNUAL	ALL	5	YES
504200	4857750	0.97853	696.31	696.31	0	ANNUAL	ALL	5	YES
504025	4858125	0.97629	695.15	695.15	0	ANNUAL	ALL	5	YES
503750	4858125	0.97508	688.95	688.95	0	ANNUAL	ALL	5	YES
503750	4858175	0.9695	689.95	689.95	0	ANNUAL	ALL	5	YES
504050	4857750	0.96523	693.23	693.23	0	ANNUAL	ALL	5	YES
504250	4857950	0.96495	693.91	693.91	0	ANNUAL	ALL	5	YES
503875	4858175	0.96363	692.53	692.53	0	ANNUAL	ALL	5	YES
503950	4858150	0.95591	695.46	695.46	0	ANNUAL	ALL	5	YES
504268.3	4857775	0.93584	695.71	695.71	0	ANNUAL	ALL	5	YES
504025	4857750	0.93516	694.07	694.07	0	ANNUAL	ALL	5	YES
504225	4857750	0.934	696.41	696.41	0	ANNUAL	ALL	5	YES
503775	4858200	0.93194	690.57	690.57	0	ANNUAL	ALL	5	YES
504150	4858075	0.92635	694.19	694.19	0	ANNUAL	ALL	5	YES
503750	4858100	0.92597	688.79	688.79	0	ANNUAL	ALL	5	YES
503800	4858200	0.92454	690.54	690.54	0	ANNUAL	ALL	5	YES
504075	4857750	0.92319	692.59	692.59	0	ANNUAL	ALL	5	YES
504100	4858100	0.92092	694.1	694.1	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503725	4858175	0.92004	689.66	689.66	0	ANNUAL	ALL	5	YES
503750	4858200	0.91859	690.29	690.29	0	ANNUAL	ALL	5	YES
504050	4858125	0.91815	695.01	695.01	0	ANNUAL	ALL	5	YES
503900	4858175	0.91695	693.78	693.78	0	ANNUAL	ALL	5	YES
503725	4858150	0.91135	688.98	688.98	0	ANNUAL	ALL	5	YES
503762.6	4858072	0.90853	689.11	689.11	0	ANNUAL	ALL	5	YES
504275	4857775	0.90674	695.89	695.89	0	ANNUAL	ALL	5	YES
503975	4858150	0.90535	695.9	695.9	0	ANNUAL	ALL	5	YES
503825	4858200	0.90341	690.66	690.66	0	ANNUAL	ALL	5	YES
503725	4858200	0.88882	689.84	689.84	0	ANNUAL	ALL	5	YES
504250	4857750	0.88026	695.92	695.92	0	ANNUAL	ALL	5	YES
503850	4858200	0.87892	691.33	691.33	0	ANNUAL	ALL	5	YES
503725	4858125	0.87717	688.8	688.8	0	ANNUAL	ALL	5	YES
503925	4858175	0.86466	695.04	695.04	0	ANNUAL	ALL	5	YES
504000	4858150	0.86374	696	696	0	ANNUAL	ALL	5	YES
503750	4858075	0.85519	688.95	688.95	0	ANNUAL	ALL	5	YES
504125	4858100	0.85176	694.23	694.23	0	ANNUAL	ALL	5	YES
504075	4858125	0.84822	694.78	694.78	0	ANNUAL	ALL	5	YES
503700	4858175	0.84631	688.71	688.71	0	ANNUAL	ALL	5	YES
504250	4857975	0.84338	693.76	693.76	0	ANNUAL	ALL	5	YES
503700	4858200	0.84257	689.04	689.04	0	ANNUAL	ALL	5	YES
504265.6	4857936	0.84054	694.7	694.7	0	ANNUAL	ALL	5	YES
503875	4858200	0.83833	692.84	692.84	0	ANNUAL	ALL	5	YES
504293.1	4857775	0.83292	696.89	696.89	0	ANNUAL	ALL	5	YES
504125	4857725	0.83162	692.9	692.9	0	ANNUAL	ALL	5	YES
504225	4858025	0.8306	694.35	694.35	0	ANNUAL	ALL	5	YES
504150	4857725	0.82656	694.47	694.47	0	ANNUAL	ALL	5	YES
504200.6	4858051	0.82411	694.57	694.57	0	ANNUAL	ALL	5	YES
503700	4858150	0.82193	688.45	688.45	0	ANNUAL	ALL	5	YES
503725	4858100	0.82103	688.77	688.77	0	ANNUAL	ALL	5	YES
504175	4857725	0.82065	695.49	695.49	0	ANNUAL	ALL	5	YES
504025	4858150	0.81964	695.95	695.95	0	ANNUAL	ALL	5	YES
503739.5	4858077	0.81752	688.87	688.87	0	ANNUAL	ALL	5	YES
503950	4858175	0.8144	695.92	695.92	0	ANNUAL	ALL	5	YES
504275	4857750	0.81256	696.17	696.17	0	ANNUAL	ALL	5	YES
504100	4857725	0.81146	692.68	692.68	0	ANNUAL	ALL	5	YES
504300	4857775	0.80401	697.29	697.29	0	ANNUAL	ALL	5	YES
504200	4857725	0.80301	695.95	695.95	0	ANNUAL	ALL	5	YES
504313.2	4857819	0.80084	696.51	696.51	0	ANNUAL	ALL	5	YES
504224.4	4858028	0.79515	694.42	694.42	0	ANNUAL	ALL	5	YES
504311.8	4857844	0.79414	695.83	695.83	0	ANNUAL	ALL	5	YES
503900	4858200	0.79291	694.01	694.01	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504100	4858125	0.78752	694.68	694.68	0	ANNUAL	ALL	5	YES
504050	4858150	0.78279	695.86	695.86	0	ANNUAL	ALL	5	YES
503700	4858125	0.7818	688.68	688.68	0	ANNUAL	ALL	5	YES
503975	4858175	0.77811	696.11	696.11	0	ANNUAL	ALL	5	YES
504225	4857725	0.77666	696.38	696.38	0	ANNUAL	ALL	5	YES
504314.7	4857795	0.77654	697.39	697.39	0	ANNUAL	ALL	5	YES
504175	4858075	0.77332	694.67	694.67	0	ANNUAL	ALL	5	YES
503675	4858200	0.77273	687.49	687.49	0	ANNUAL	ALL	5	YES
504310.3	4857868	0.7723	695.75	695.75	0	ANNUAL	ALL	5	YES
504075	4857725	0.77185	693.4	693.4	0	ANNUAL	ALL	5	YES
503725	4858075	0.76166	688.91	688.91	0	ANNUAL	ALL	5	YES
503675	4858175	0.75828	687.35	687.35	0	ANNUAL	ALL	5	YES
503925	4858200	0.75031	695.21	695.21	0	ANNUAL	ALL	5	YES
504250	4857725	0.74976	696.61	696.61	0	ANNUAL	ALL	5	YES
504150	4858100	0.74923	694.61	694.61	0	ANNUAL	ALL	5	YES
504050	4857725	0.7473	694.46	694.46	0	ANNUAL	ALL	5	YES
503720.6	4858074	0.74698	689	689	0	ANNUAL	ALL	5	YES
504325	4857825	0.7469	696.35	696.35	0	ANNUAL	ALL	5	YES
504000	4858175	0.74607	696.21	696.21	0	ANNUAL	ALL	5	YES
504325	4857800	0.74033	697.33	697.33	0	ANNUAL	ALL	5	YES
504317.9	4857775	0.73919	697.87	697.87	0	ANNUAL	ALL	5	YES
504125	4858125	0.73765	694.61	694.61	0	ANNUAL	ALL	5	YES
504300	4857750	0.73535	697.48	697.48	0	ANNUAL	ALL	5	YES
504282.3	4857936	0.73439	695.22	695.22	0	ANNUAL	ALL	5	YES
504075	4858150	0.73382	695.74	695.74	0	ANNUAL	ALL	5	YES
504275	4857950	0.73365	694.3	694.3	0	ANNUAL	ALL	5	YES
503700	4858100	0.73261	689.13	689.13	0	ANNUAL	ALL	5	YES
503675	4858150	0.73146	687.82	687.82	0	ANNUAL	ALL	5	YES
504308.9	4857892	0.7306	696.01	696.01	0	ANNUAL	ALL	5	YES
504325	4857850	0.72676	695.84	695.84	0	ANNUAL	ALL	5	YES
504325	4857775	0.71422	698	698	0	ANNUAL	ALL	5	YES
503950	4858200	0.71323	695.81	695.81	0	ANNUAL	ALL	5	YES
504025	4858175	0.71233	696.32	696.32	0	ANNUAL	ALL	5	YES
504275	4857725	0.71219	696.85	696.85	0	ANNUAL	ALL	5	YES
503701.8	4858071	0.70813	689.71	689.71	0	ANNUAL	ALL	5	YES
504000	4857750	0.70602	694.46	694.46	0	ANNUAL	ALL	5	YES
503700	4858075	0.70467	689.7	689.7	0	ANNUAL	ALL	5	YES
504294.9	4857927	0.70165	695.78	695.78	0	ANNUAL	ALL	5	YES
503675	4858125	0.69848	688.88	688.88	0	ANNUAL	ALL	5	YES
503650	4858200	0.69838	686.01	686.01	0	ANNUAL	ALL	5	YES
504250	4858000	0.69721	693.95	693.95	0	ANNUAL	ALL	5	YES
504325	4857875	0.69429	695.95	695.95	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504125	4857700	0.69062	692.87	692.87	0	ANNUAL	ALL	5	YES
504150	4857700	0.68772	693.07	693.07	0	ANNUAL	ALL	5	YES
504050	4858175	0.68658	696.18	696.18	0	ANNUAL	ALL	5	YES
503683	4858068	0.68619	690.35	690.35	0	ANNUAL	ALL	5	YES
503975	4858200	0.68471	696.04	696.04	0	ANNUAL	ALL	5	YES
504300	4857925	0.68439	695.84	695.84	0	ANNUAL	ALL	5	YES
504100	4858150	0.68324	695.32	695.32	0	ANNUAL	ALL	5	YES
504175	4857700	0.68308	694.87	694.87	0	ANNUAL	ALL	5	YES
503650	4858175	0.67677	686.25	686.25	0	ANNUAL	ALL	5	YES
503700	4858300	0.67542	690.62	690.62	0	ANNUAL	ALL	5	YES
504307.4	4857917	0.67485	695.99	695.99	0	ANNUAL	ALL	5	YES
504200	4857700	0.67029	695.72	695.72	0	ANNUAL	ALL	5	YES
504300	4857725	0.66525	697.41	697.41	0	ANNUAL	ALL	5	YES
504325	4857750	0.66367	698.7	698.7	0	ANNUAL	ALL	5	YES
503675	4858100	0.66227	689.78	689.78	0	ANNUAL	ALL	5	YES
504175	4858100	0.66067	695.01	695.01	0	ANNUAL	ALL	5	YES
504100	4857700	0.66022	693.98	693.98	0	ANNUAL	ALL	5	YES
504150	4858125	0.65916	694.79	694.79	0	ANNUAL	ALL	5	YES
504200	4858075	0.65722	695.08	695.08	0	ANNUAL	ALL	5	YES
504000	4858200	0.65715	696.17	696.17	0	ANNUAL	ALL	5	YES
503664.2	4858065	0.65704	690.29	690.29	0	ANNUAL	ALL	5	YES
503675	4858075	0.65702	690.22	690.22	0	ANNUAL	ALL	5	YES
504225	4857700	0.65439	696.42	696.42	0	ANNUAL	ALL	5	YES
504025	4857725	0.65201	694.75	694.75	0	ANNUAL	ALL	5	YES
504350	4857800	0.65166	697.35	697.35	0	ANNUAL	ALL	5	YES
504075	4858175	0.64937	695.96	695.96	0	ANNUAL	ALL	5	YES
503650	4858150	0.64917	687.26	687.26	0	ANNUAL	ALL	5	YES
504350	4857825	0.64873	696.79	696.79	0	ANNUAL	ALL	5	YES
503665	4858041	0.64726	690.57	690.57	0	ANNUAL	ALL	5	YES
504125	4858150	0.64611	695.11	695.11	0	ANNUAL	ALL	5	YES
504325	4857900	0.64522	696.13	696.13	0	ANNUAL	ALL	5	YES
504275	4857975	0.64503	693.88	693.88	0	ANNUAL	ALL	5	YES
504222.5	4858051	0.64297	694.86	694.86	0	ANNUAL	ALL	5	YES
504350	4857775	0.63813	698	698	0	ANNUAL	ALL	5	YES
504225	4858050	0.63568	694.87	694.87	0	ANNUAL	ALL	5	YES
504025	4858200	0.63355	696.35	696.35	0	ANNUAL	ALL	5	YES
504250	4857700	0.63351	697.11	697.11	0	ANNUAL	ALL	5	YES
503600	4858300	0.62855	688.34	689.69	0	ANNUAL	ALL	5	YES
504350	4857850	0.62827	696.35	696.35	0	ANNUAL	ALL	5	YES
503625	4858200	0.62419	684.37	684.37	0	ANNUAL	ALL	5	YES
503650	4858125	0.62241	688.7	688.7	0	ANNUAL	ALL	5	YES
504300	4857950	0.62146	694.88	694.88	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504275	4857700	0.61555	697.25	697.25	0	ANNUAL	ALL	5	YES
504075	4857700	0.61469	694.85	694.85	0	ANNUAL	ALL	5	YES
504050	4858200	0.61221	696.37	696.37	0	ANNUAL	ALL	5	YES
504100	4858175	0.60693	695.84	695.84	0	ANNUAL	ALL	5	YES
503800	4858300	0.60466	692.21	692.21	0	ANNUAL	ALL	5	YES
504325	4857725	0.60449	699.08	699.08	0	ANNUAL	ALL	5	YES
504350	4857750	0.60378	698.99	698.99	0	ANNUAL	ALL	5	YES
503625	4858175	0.60283	685.41	685.41	0	ANNUAL	ALL	5	YES
504350	4857875	0.60108	696.25	696.25	0	ANNUAL	ALL	5	YES
504250	4858025	0.59756	694.49	694.49	0	ANNUAL	ALL	5	YES
503650	4858075	0.59718	689.77	689.77	0	ANNUAL	ALL	5	YES
503650	4858100	0.59368	689.51	689.51	0	ANNUAL	ALL	5	YES
504325	4857925	0.59199	695.94	695.94	0	ANNUAL	ALL	5	YES
504150	4858150	0.59053	695	695	0	ANNUAL	ALL	5	YES
504300	4857700	0.58769	697.91	697.91	0	ANNUAL	ALL	5	YES
504175	4858125	0.5856	695.15	695.15	0	ANNUAL	ALL	5	YES
503970.7	4857777	0.58363	694.45	694.45	0	ANNUAL	ALL	5	YES
504075	4858200	0.58192	696.28	696.28	0	ANNUAL	ALL	5	YES
503975	4857775	0.58133	694.33	694.33	0	ANNUAL	ALL	5	YES
503625	4858150	0.5812	687.01	687.01	0	ANNUAL	ALL	5	YES
504050	4857700	0.58043	695.27	695.27	0	ANNUAL	ALL	5	YES
504200	4858100	0.57886	695.49	695.49	0	ANNUAL	ALL	5	YES
504150	4857675	0.57343	694.13	694.13	0	ANNUAL	ALL	5	YES
504375	4857775	0.57265	697.86	697.86	0	ANNUAL	ALL	5	YES
504375	4857800	0.57249	698.01	698.01	0	ANNUAL	ALL	5	YES
504175	4857675	0.5712	695.09	695.09	0	ANNUAL	ALL	5	YES
504275	4858000	0.56987	694.07	694.07	0	ANNUAL	ALL	5	YES
504125	4858175	0.56959	695.65	695.65	0	ANNUAL	ALL	5	YES
504225	4858075	0.56783	695.43	695.43	0	ANNUAL	ALL	5	YES
503600	4858200	0.56607	683.98	683.98	0	ANNUAL	ALL	5	YES
504375	4857825	0.56381	697.87	697.87	0	ANNUAL	ALL	5	YES
504125	4857675	0.56173	694.83	694.83	0	ANNUAL	ALL	5	YES
504200	4857675	0.5609	696.39	696.39	0	ANNUAL	ALL	5	YES
504350	4857900	0.55983	696.38	696.38	0	ANNUAL	ALL	5	YES
503650	4858050	0.55769	689.78	689.78	0	ANNUAL	ALL	5	YES
504300	4857975	0.55613	694.18	694.18	0	ANNUAL	ALL	5	YES
504225	4857675	0.55284	697.09	697.09	0	ANNUAL	ALL	5	YES
504350	4857725	0.55275	699.86	699.86	0	ANNUAL	ALL	5	YES
503625	4858125	0.5512	688.07	688.07	0	ANNUAL	ALL	5	YES
504375	4857750	0.55027	699.06	699.06	0	ANNUAL	ALL	5	YES
503600	4858175	0.54769	685.45	685.45	0	ANNUAL	ALL	5	YES
504325	4857700	0.5472	699.22	699.22	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504375	4857850	0.54584	697.5	697.5	0	ANNUAL	ALL	5	YES
504100	4858200	0.54485	696.08	696.08	0	ANNUAL	ALL	5	YES
504325	4857950	0.54263	695.21	695.21	0	ANNUAL	ALL	5	YES
504250	4857675	0.54193	697.6	697.6	0	ANNUAL	ALL	5	YES
504250	4858050	0.54188	695.14	695.14	0	ANNUAL	ALL	5	YES
503625	4858100	0.53317	688.79	688.79	0	ANNUAL	ALL	5	YES
504100	4857675	0.53276	695.38	695.38	0	ANNUAL	ALL	5	YES
503950	4857775	0.53011	694.61	694.61	0	ANNUAL	ALL	5	YES
504175	4858150	0.52943	695.07	695.07	0	ANNUAL	ALL	5	YES
503900	4858300	0.52896	693.58	693.58	0	ANNUAL	ALL	5	YES
504275	4857675	0.5275	697.87	697.87	0	ANNUAL	ALL	5	YES
504150	4858175	0.52709	695.49	695.49	0	ANNUAL	ALL	5	YES
503575	4858200	0.5255	684.89	684.89	0	ANNUAL	ALL	5	YES
503600	4858150	0.52526	687.14	687.14	0	ANNUAL	ALL	5	YES
504375	4857875	0.52486	697.15	697.15	0	ANNUAL	ALL	5	YES
503945.9	4857777	0.52264	694.6	694.6	0	ANNUAL	ALL	5	YES
504200	4858125	0.52241	695.6	695.6	0	ANNUAL	ALL	5	YES
504000	4857725	0.5219	694.99	694.99	0	ANNUAL	ALL	5	YES
504350	4857925	0.52004	695.88	695.88	0	ANNUAL	ALL	5	YES
504275	4858025	0.51723	694.64	694.64	0	ANNUAL	ALL	5	YES
504225	4858100	0.51315	695.87	695.87	0	ANNUAL	ALL	5	YES
504300	4857675	0.51216	698.35	698.35	0	ANNUAL	ALL	5	YES
504125	4858200	0.51163	695.89	695.89	0	ANNUAL	ALL	5	YES
504025	4857700	0.50884	695.34	695.34	0	ANNUAL	ALL	5	YES
504350	4857700	0.50824	700.05	700.05	0	ANNUAL	ALL	5	YES
503665.7	4858017	0.50798	690.77	690.77	0	ANNUAL	ALL	5	YES
504375	4857725	0.50674	700.53	700.53	0	ANNUAL	ALL	5	YES
503575	4858175	0.50541	686.51	686.51	0	ANNUAL	ALL	5	YES
503625	4858075	0.50415	689.19	689.19	0	ANNUAL	ALL	5	YES
504400	4857775	0.50259	699.21	699.21	0	ANNUAL	ALL	5	YES
504400	4857800	0.50181	699.11	699.11	0	ANNUAL	ALL	5	YES
504300	4858000	0.50066	694.26	694.26	0	ANNUAL	ALL	5	YES
503600	4858125	0.50048	688.28	688.28	0	ANNUAL	ALL	5	YES
504250	4858075	0.49666	695.7	695.7	0	ANNUAL	ALL	5	YES
503600	4858400	0.49644	687.38	690.04	0	ANNUAL	ALL	5	YES
504400	4857750	0.49406	699.63	699.63	0	ANNUAL	ALL	5	YES
504375	4857900	0.49286	696.64	696.64	0	ANNUAL	ALL	5	YES
504400	4857825	0.49231	698.88	698.88	0	ANNUAL	ALL	5	YES
504075	4857675	0.49228	695.94	695.94	0	ANNUAL	ALL	5	YES
503550	4858200	0.49189	686.39	690.12	0	ANNUAL	ALL	5	YES
504325	4857675	0.49162	698.89	698.89	0	ANNUAL	ALL	5	YES
504325	4857975	0.48906	694.59	694.59	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503575	4858150	0.48505	688.08	688.08	0	ANNUAL	ALL	5	YES
504175	4858175	0.48331	695.24	695.24	0	ANNUAL	ALL	5	YES
503500	4858300	0.4819	683.98	690.52	0	ANNUAL	ALL	5	YES
503700	4858400	0.48123	690.38	690.38	0	ANNUAL	ALL	5	YES
504350	4857950	0.4806	695.37	695.37	0	ANNUAL	ALL	5	YES
504150	4858200	0.47844	695.84	695.84	0	ANNUAL	ALL	5	YES
504400	4857850	0.47777	698.37	698.37	0	ANNUAL	ALL	5	YES
504200	4858150	0.47652	695.45	695.45	0	ANNUAL	ALL	5	YES
503975	4857750	0.47587	694.62	694.62	0	ANNUAL	ALL	5	YES
503550	4858175	0.47584	688.28	689.03	0	ANNUAL	ALL	5	YES
503600	4858100	0.47442	689.01	689.01	0	ANNUAL	ALL	5	YES
504375	4857700	0.47018	700.75	700.75	0	ANNUAL	ALL	5	YES
504275	4858050	0.46947	695.32	695.32	0	ANNUAL	ALL	5	YES
504225	4858125	0.46945	696.06	696.06	0	ANNUAL	ALL	5	YES
504400	4857725	0.46635	700.73	700.73	0	ANNUAL	ALL	5	YES
504050	4857675	0.46356	696.02	696.02	0	ANNUAL	ALL	5	YES
504350	4857675	0.46197	700.08	700.08	0	ANNUAL	ALL	5	YES
504375	4857925	0.46173	696.03	696.03	0	ANNUAL	ALL	5	YES
504400	4857875	0.46145	697.86	697.86	0	ANNUAL	ALL	5	YES
503575	4858125	0.45973	689.25	689.25	0	ANNUAL	ALL	5	YES
504300	4858025	0.45746	694.74	694.74	0	ANNUAL	ALL	5	YES
504250	4858100	0.45673	696.16	696.16	0	ANNUAL	ALL	5	YES
504000	4858300	0.4551	695.17	695.17	0	ANNUAL	ALL	5	YES
503550	4858150	0.45145	689.54	689.54	0	ANNUAL	ALL	5	YES
504325	4858000	0.44647	694.3	694.3	0	ANNUAL	ALL	5	YES
504425	4857775	0.44638	700.03	700.03	0	ANNUAL	ALL	5	YES
503800	4858400	0.44422	690.8	690.8	0	ANNUAL	ALL	5	YES
503500	4858400	0.44386	681.51	681.51	0	ANNUAL	ALL	5	YES
504425	4857750	0.44236	700.41	700.41	0	ANNUAL	ALL	5	YES
504175	4858200	0.44201	695.56	695.56	0	ANNUAL	ALL	5	YES
504425	4857800	0.44184	700.02	700.02	0	ANNUAL	ALL	5	YES
503500	4858200	0.44111	690.42	690.42	0	ANNUAL	ALL	5	YES
503925	4857775	0.44	694.81	694.81	0	ANNUAL	ALL	5	YES
504350	4857975	0.43725	694.95	694.95	0	ANNUAL	ALL	5	YES
504200	4858175	0.43723	695.39	695.39	0	ANNUAL	ALL	5	YES
504400	4857700	0.43714	701.09	701.09	0	ANNUAL	ALL	5	YES
504400	4857900	0.43701	697.18	697.18	0	ANNUAL	ALL	5	YES
504425	4857825	0.43678	699.42	699.42	0	ANNUAL	ALL	5	YES
504275	4858075	0.43494	695.93	695.93	0	ANNUAL	ALL	5	YES
504225	4858150	0.4337	695.95	695.95	0	ANNUAL	ALL	5	YES
504375	4857675	0.43369	700.78	700.78	0	ANNUAL	ALL	5	YES
503650	4858025	0.4334	689.9	689.9	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503921.1	4857777	0.43276	694.81	694.81	0	ANNUAL	ALL	5	YES
504375	4857950	0.43191	695.69	695.69	0	ANNUAL	ALL	5	YES
503625	4858050	0.42872	689.62	689.62	0	ANNUAL	ALL	5	YES
504425	4857725	0.42868	701.02	701.02	0	ANNUAL	ALL	5	YES
504425	4857850	0.42578	698.71	698.71	0	ANNUAL	ALL	5	YES
503600	4858075	0.42405	689.63	689.63	0	ANNUAL	ALL	5	YES
504000	4857700	0.42198	695.53	695.53	0	ANNUAL	ALL	5	YES
504250	4858125	0.42104	696.59	696.59	0	ANNUAL	ALL	5	YES
504025	4857675	0.4194	695.76	695.76	0	ANNUAL	ALL	5	YES
503575	4858100	0.41843	689.81	689.81	0	ANNUAL	ALL	5	YES
504300	4858050	0.41757	695.41	695.41	0	ANNUAL	ALL	5	YES
503975	4857725	0.41381	695.18	695.18	0	ANNUAL	ALL	5	YES
503900	4858400	0.41379	691.05	691.05	0	ANNUAL	ALL	5	YES
503550	4858125	0.41371	690.08	690.08	0	ANNUAL	ALL	5	YES
504325	4858025	0.41258	694.73	694.73	0	ANNUAL	ALL	5	YES
503950	4857750	0.41252	695.08	695.08	0	ANNUAL	ALL	5	YES
504400	4857925	0.41183	696.6	696.6	0	ANNUAL	ALL	5	YES
504425	4857875	0.41116	698.23	698.23	0	ANNUAL	ALL	5	YES
504400	4857675	0.40786	701.32	701.32	0	ANNUAL	ALL	5	YES
504275	4858100	0.40774	696.45	696.45	0	ANNUAL	ALL	5	YES
503400	4858300	0.407	690.68	690.68	0	ANNUAL	ALL	5	YES
504425	4857700	0.40625	701.48	701.48	0	ANNUAL	ALL	5	YES
503400	4858400	0.4057	683.63	690.43	0	ANNUAL	ALL	5	YES
504200	4858200	0.40415	695.47	695.47	0	ANNUAL	ALL	5	YES
504350	4858000	0.40252	694.61	694.61	0	ANNUAL	ALL	5	YES
504225	4858175	0.40142	695.81	695.81	0	ANNUAL	ALL	5	YES
503500	4858500	0.39905	686.96	686.96	0	ANNUAL	ALL	5	YES
503666.4	4857993	0.3932	691.26	691.26	0	ANNUAL	ALL	5	YES
504250	4858150	0.39284	696.56	696.56	0	ANNUAL	ALL	5	YES
504375	4857975	0.39265	695.38	695.38	0	ANNUAL	ALL	5	YES
504425	4857900	0.39095	697.7	697.7	0	ANNUAL	ALL	5	YES
504400	4857950	0.38844	696.26	696.26	0	ANNUAL	ALL	5	YES
504100	4858300	0.38761	696.89	696.89	0	ANNUAL	ALL	5	YES
504300	4858075	0.38656	696.06	696.06	0	ANNUAL	ALL	5	YES
503400	4858500	0.38324	685.25	685.25	0	ANNUAL	ALL	5	YES
504425	4857675	0.3825	701.72	701.72	0	ANNUAL	ALL	5	YES
504275	4858125	0.38082	696.9	696.9	0	ANNUAL	ALL	5	YES
504000	4858400	0.3794	692.27	692.27	0	ANNUAL	ALL	5	YES
504325	4858050	0.37848	695.36	695.36	0	ANNUAL	ALL	5	YES
504350	4858025	0.37605	694.64	694.64	0	ANNUAL	ALL	5	YES
504225	4858200	0.3741	695.62	695.62	0	ANNUAL	ALL	5	YES
504250	4858175	0.37056	696.22	696.22	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504425	4857925	0.36979	697.28	697.28	0	ANNUAL	ALL	5	YES
503900	4857775	0.36842	694.98	694.98	0	ANNUAL	ALL	5	YES
503550	4858100	0.36601	690.49	690.49	0	ANNUAL	ALL	5	YES
504375	4858000	0.3649	694.85	694.85	0	ANNUAL	ALL	5	YES
504300	4858100	0.36338	696.65	696.65	0	ANNUAL	ALL	5	YES
503575	4858075	0.36296	690.21	690.21	0	ANNUAL	ALL	5	YES
504200	4857600	0.36223	695.86	695.86	0	ANNUAL	ALL	5	YES
503925	4857750	0.36203	695.26	695.26	0	ANNUAL	ALL	5	YES
503896.3	4857777	0.36146	694.97	694.97	0	ANNUAL	ALL	5	YES
504000	4857675	0.36	695.95	695.95	0	ANNUAL	ALL	5	YES
503975	4857700	0.35847	695.67	695.67	0	ANNUAL	ALL	5	YES
504400	4857975	0.35711	695.82	695.82	0	ANNUAL	ALL	5	YES
503600	4858050	0.35655	689.97	689.97	0	ANNUAL	ALL	5	YES
504275	4858150	0.35639	697.05	697.05	0	ANNUAL	ALL	5	YES
503950	4857725	0.35399	695.46	695.46	0	ANNUAL	ALL	5	YES
503650	4858000	0.35324	690.63	690.63	0	ANNUAL	ALL	5	YES
504425	4857950	0.35209	696.8	696.8	0	ANNUAL	ALL	5	YES
503600	4858500	0.35098	683.17	690.26	0	ANNUAL	ALL	5	YES
504325	4858075	0.34982	696.07	696.07	0	ANNUAL	ALL	5	YES
504350	4858050	0.34837	695.26	695.26	0	ANNUAL	ALL	5	YES
503625	4858025	0.3483	689.91	689.91	0	ANNUAL	ALL	5	YES
504250	4858200	0.34788	695.9	695.9	0	ANNUAL	ALL	5	YES
504300	4857600	0.34499	699.72	699.72	0	ANNUAL	ALL	5	YES
504375	4858025	0.34411	694.7	694.7	0	ANNUAL	ALL	5	YES
504300	4858125	0.34354	697.21	697.21	0	ANNUAL	ALL	5	YES
503500	4858600	0.34044	691.15	691.15	0	ANNUAL	ALL	5	YES
504275	4858175	0.33728	696.82	696.82	0	ANNUAL	ALL	5	YES
503700	4858500	0.33639	684.79	684.79	0	ANNUAL	ALL	5	YES
504400	4858000	0.33172	695.29	695.29	0	ANNUAL	ALL	5	YES
503667.2	4857969	0.33075	691.82	691.82	0	ANNUAL	ALL	5	YES
504425	4857975	0.3277	696.21	696.21	0	ANNUAL	ALL	5	YES
504325	4858100	0.3274	696.78	696.78	0	ANNUAL	ALL	5	YES
503300	4858500	0.32724	679.48	690.82	0	ANNUAL	ALL	5	YES
503300	4858400	0.32683	683.56	691.2	0	ANNUAL	ALL	5	YES
504300	4858150	0.32526	697.45	697.45	0	ANNUAL	ALL	5	YES
504100	4858400	0.32495	694.02	694.02	0	ANNUAL	ALL	5	YES
504100	4857600	0.32422	697.42	697.42	0	ANNUAL	ALL	5	YES
504375	4858050	0.32305	695.01	695.01	0	ANNUAL	ALL	5	YES
504275	4858200	0.32173	696.42	696.42	0	ANNUAL	ALL	5	YES
504350	4858075	0.32087	695.99	695.99	0	ANNUAL	ALL	5	YES
503800	4858500	0.3207	685.7	690.27	0	ANNUAL	ALL	5	YES
503300	4858600	0.31938	684.79	690.73	0	ANNUAL	ALL	5	YES

Scenario 1, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503600	4858600	0.3189	690.09	690.09	0	ANNUAL	ALL	5	YES
503550	4858075	0.31836	690.85	690.85	0	ANNUAL	ALL	5	YES
504400	4858025	0.31602	694.94	694.94	0	ANNUAL	ALL	5	YES
504500	4857800	0.31582	702.37	702.37	0	ANNUAL	ALL	5	YES
503950	4857700	0.31504	695.89	695.89	0	ANNUAL	ALL	5	YES
503400	4858600	0.31486	683.47	691.45	0	ANNUAL	ALL	5	YES
503925	4857725	0.31409	695.63	695.63	0	ANNUAL	ALL	5	YES
503975	4857675	0.31397	696.04	696.04	0	ANNUAL	ALL	5	YES
503900	4857750	0.313	695.42	695.42	0	ANNUAL	ALL	5	YES
504500	4857700	0.31244	703.89	703.89	0	ANNUAL	ALL	5	YES
503575	4858050	0.3113	690.58	690.58	0	ANNUAL	ALL	5	YES
504400	4857600	0.31112	702.01	702.01	0	ANNUAL	ALL	5	YES
504325	4858125	0.31	697.45	697.45	0	ANNUAL	ALL	5	YES
504200	4858300	0.30923	696.38	696.38	0	ANNUAL	ALL	5	YES
504300	4858175	0.30784	697.34	697.34	0	ANNUAL	ALL	5	YES
503650	4857975	0.30695	691.4	691.4	0	ANNUAL	ALL	5	YES
503875	4857775	0.3067	695.02	695.02	0	ANNUAL	ALL	5	YES
503600	4858025	0.30449	690.42	690.42	0	ANNUAL	ALL	5	YES
503871.5	4857777	0.30426	694.97	694.97	0	ANNUAL	ALL	5	YES
504425	4858000	0.30314	695.98	695.98	0	ANNUAL	ALL	5	YES
503625	4858000	0.30303	690.6	690.6	0	ANNUAL	ALL	5	YES
503200	4858700	0.30269	690.6	690.6	0	ANNUAL	ALL	5	YES
503700	4858600	0.30218	690.05	690.05	0	ANNUAL	ALL	5	YES
503900	4858500	0.30033	686.29	691.81	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503995.5	4858039	2.67715	691.33	691.33	0	ANNUAL	ALL	5	YES
504019.1	4858037	2.54169	691.46	691.46	0	ANNUAL	ALL	5	YES
503972	4858040	2.49365	691.23	691.23	0	ANNUAL	ALL	5	YES
504066.2	4858035	2.41687	691.92	691.92	0	ANNUAL	ALL	5	YES
504042.7	4858036	2.27832	691.68	691.68	0	ANNUAL	ALL	5	YES
503948.4	4858041	2.27323	691.13	691.13	0	ANNUAL	ALL	5	YES
503975	4858050	2.22087	691.62	691.62	0	ANNUAL	ALL	5	YES
504000	4858050	2.18097	691.59	691.59	0	ANNUAL	ALL	5	YES
504089.8	4858033	2.16618	692.23	692.23	0	ANNUAL	ALL	5	YES
503950	4858050	2.16093	691.46	691.46	0	ANNUAL	ALL	5	YES
503924.8	4858043	2.07808	690.7	690.7	0	ANNUAL	ALL	5	YES
503925	4858050	2.01518	690.9	690.9	0	ANNUAL	ALL	5	YES
504025	4858050	2.00269	691.76	691.76	0	ANNUAL	ALL	5	YES
503901.3	4858044	1.86853	690.21	690.21	0	ANNUAL	ALL	5	YES
503995.5	4857777	1.85621	693.51	693.51	0	ANNUAL	ALL	5	YES
503900	4858050	1.83115	690.35	690.35	0	ANNUAL	ALL	5	YES
503950	4858075	1.77565	692.31	692.31	0	ANNUAL	ALL	5	YES
504050	4858050	1.76804	692.06	692.06	0	ANNUAL	ALL	5	YES
503925	4858075	1.75328	691.87	691.87	0	ANNUAL	ALL	5	YES
503975	4858075	1.721	692.58	692.58	0	ANNUAL	ALL	5	YES
503900	4858075	1.67959	691.28	691.28	0	ANNUAL	ALL	5	YES
503878.2	4858049	1.6561	690	690	0	ANNUAL	ALL	5	YES
503875	4858050	1.62913	690.02	690.02	0	ANNUAL	ALL	5	YES
504000	4858075	1.6251	692.58	692.58	0	ANNUAL	ALL	5	YES
504000	4857775	1.62054	693.53	693.53	0	ANNUAL	ALL	5	YES
504113.2	4858051	1.58588	692.97	692.97	0	ANNUAL	ALL	5	YES
503875	4858075	1.56881	690.81	690.81	0	ANNUAL	ALL	5	YES
504075	4858050	1.5398	692.4	692.4	0	ANNUAL	ALL	5	YES
504091.4	4858051	1.53261	692.66	692.66	0	ANNUAL	ALL	5	YES
504025	4858075	1.50287	692.56	692.56	0	ANNUAL	ALL	5	YES
504135.1	4858051	1.49619	693.36	693.36	0	ANNUAL	ALL	5	YES
503900	4858100	1.46904	692.24	692.24	0	ANNUAL	ALL	5	YES
503925	4858100	1.46765	692.9	692.9	0	ANNUAL	ALL	5	YES
503855	4858053	1.46338	689.85	689.85	0	ANNUAL	ALL	5	YES
503875	4858100	1.43665	691.54	691.54	0	ANNUAL	ALL	5	YES
503850	4858075	1.42911	690.23	690.23	0	ANNUAL	ALL	5	YES
503950	4858100	1.41892	693.43	693.43	0	ANNUAL	ALL	5	YES
504232.2	4857935	1.39812	693.48	693.48	0	ANNUAL	ALL	5	YES
503850	4858100	1.36789	690.8	690.8	0	ANNUAL	ALL	5	YES
504050	4858075	1.35206	692.9	692.9	0	ANNUAL	ALL	5	YES
503975	4858100	1.34971	693.75	693.75	0	ANNUAL	ALL	5	YES
504156.9	4858051	1.30182	693.74	693.74	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503831.9	4858058	1.28753	689.7	689.7	0	ANNUAL	ALL	5	YES
503825	4858075	1.27349	689.81	689.81	0	ANNUAL	ALL	5	YES
503825	4858100	1.27088	690.18	690.18	0	ANNUAL	ALL	5	YES
504000	4858100	1.26969	693.81	693.81	0	ANNUAL	ALL	5	YES
503875	4858125	1.26703	692.03	692.03	0	ANNUAL	ALL	5	YES
503850	4858125	1.25917	691.16	691.16	0	ANNUAL	ALL	5	YES
503900	4858125	1.24966	692.97	692.97	0	ANNUAL	ALL	5	YES
504144.3	4857776	1.24329	695.72	695.72	0	ANNUAL	ALL	5	YES
504119.5	4857776	1.23785	694.76	694.76	0	ANNUAL	ALL	5	YES
504230.2	4857959	1.2363	693.33	693.33	0	ANNUAL	ALL	5	YES
504150	4857775	1.23222	695.87	695.87	0	ANNUAL	ALL	5	YES
504169.1	4857776	1.23208	696.07	696.07	0	ANNUAL	ALL	5	YES
504125	4857775	1.2294	694.97	694.97	0	ANNUAL	ALL	5	YES
504175	4857775	1.21524	696.13	696.13	0	ANNUAL	ALL	5	YES
503825	4858125	1.21414	690.55	690.55	0	ANNUAL	ALL	5	YES
503925	4858125	1.20875	693.89	693.89	0	ANNUAL	ALL	5	YES
504100	4857775	1.19439	693.75	693.75	0	ANNUAL	ALL	5	YES
504075	4858075	1.19412	693.15	693.15	0	ANNUAL	ALL	5	YES
504193.9	4857776	1.18808	696.24	696.24	0	ANNUAL	ALL	5	YES
504025	4858100	1.18633	693.75	693.75	0	ANNUAL	ALL	5	YES
504094.7	4857776	1.17172	693.35	693.35	0	ANNUAL	ALL	5	YES
504200	4857775	1.16335	696.28	696.28	0	ANNUAL	ALL	5	YES
504020.3	4857776	1.16155	693.31	693.31	0	ANNUAL	ALL	5	YES
503800	4858100	1.16048	689.68	689.68	0	ANNUAL	ALL	5	YES
503800	4858125	1.14565	689.9	689.9	0	ANNUAL	ALL	5	YES
503950	4858125	1.14489	694.59	694.59	0	ANNUAL	ALL	5	YES
503808.8	4858063	1.13292	689.6	689.6	0	ANNUAL	ALL	5	YES
503850	4858150	1.12194	691.4	691.4	0	ANNUAL	ALL	5	YES
503825	4858150	1.11938	690.51	690.51	0	ANNUAL	ALL	5	YES
503800	4858075	1.11782	689.54	689.54	0	ANNUAL	ALL	5	YES
504218.7	4857776	1.10073	696.22	696.22	0	ANNUAL	ALL	5	YES
503875	4858150	1.09824	692.4	692.4	0	ANNUAL	ALL	5	YES
504100	4858075	1.09798	693.47	693.47	0	ANNUAL	ALL	5	YES
504025	4857775	1.09478	693.31	693.31	0	ANNUAL	ALL	5	YES
504178.8	4858051	1.09433	694.27	694.27	0	ANNUAL	ALL	5	YES
504050	4858100	1.09007	693.75	693.75	0	ANNUAL	ALL	5	YES
503975	4858125	1.08482	695.01	695.01	0	ANNUAL	ALL	5	YES
503800	4858150	1.0833	689.79	689.79	0	ANNUAL	ALL	5	YES
504225	4857775	1.07473	696.11	696.11	0	ANNUAL	ALL	5	YES
504228.3	4857982	1.07056	693.41	693.41	0	ANNUAL	ALL	5	YES
503900	4858150	1.05977	693.52	693.52	0	ANNUAL	ALL	5	YES
503775	4858125	1.05661	689.25	689.25	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503775	4858100	1.03742	689.21	689.21	0	ANNUAL	ALL	5	YES
503775	4858150	1.03488	689.49	689.49	0	ANNUAL	ALL	5	YES
504000	4858125	1.02629	695.08	695.08	0	ANNUAL	ALL	5	YES
504075	4857775	1.02483	692.53	692.53	0	ANNUAL	ALL	5	YES
504069.9	4857776	1.02465	692.49	692.49	0	ANNUAL	ALL	5	YES
504125	4858075	1.02283	693.84	693.84	0	ANNUAL	ALL	5	YES
504248.9	4857936	1.01385	694.22	694.22	0	ANNUAL	ALL	5	YES
504243.5	4857776	1.0071	695.84	695.84	0	ANNUAL	ALL	5	YES
503925	4858150	1.00506	694.6	694.6	0	ANNUAL	ALL	5	YES
503785.7	4858068	1.00401	689.38	689.38	0	ANNUAL	ALL	5	YES
503800	4858175	1.00153	689.83	689.83	0	ANNUAL	ALL	5	YES
503825	4858175	0.99735	689.82	689.82	0	ANNUAL	ALL	5	YES
503775	4858175	0.98777	689.97	689.97	0	ANNUAL	ALL	5	YES
503850	4858175	0.98692	690.9	690.9	0	ANNUAL	ALL	5	YES
504125	4857750	0.98678	694.51	694.51	0	ANNUAL	ALL	5	YES
504226.4	4858005	0.98359	693.76	693.76	0	ANNUAL	ALL	5	YES
504075	4858100	0.98337	694.01	694.01	0	ANNUAL	ALL	5	YES
504150	4857750	0.98109	695.7	695.7	0	ANNUAL	ALL	5	YES
504250	4857775	0.98073	695.73	695.73	0	ANNUAL	ALL	5	YES
504050	4857775	0.98026	692.8	692.8	0	ANNUAL	ALL	5	YES
503750	4858150	0.97499	689.26	689.26	0	ANNUAL	ALL	5	YES
504045.1	4857776	0.97251	692.9	692.9	0	ANNUAL	ALL	5	YES
504175	4857750	0.97191	696.13	696.13	0	ANNUAL	ALL	5	YES
503775	4858075	0.96896	689.23	689.23	0	ANNUAL	ALL	5	YES
504100	4857750	0.96829	693.04	693.04	0	ANNUAL	ALL	5	YES
504025	4858125	0.9633	695.15	695.15	0	ANNUAL	ALL	5	YES
503750	4858125	0.96148	688.95	688.95	0	ANNUAL	ALL	5	YES
503750	4858175	0.95705	689.95	689.95	0	ANNUAL	ALL	5	YES
504250	4857950	0.95275	693.91	693.91	0	ANNUAL	ALL	5	YES
503875	4858175	0.95205	692.53	692.53	0	ANNUAL	ALL	5	YES
504050	4857750	0.95197	693.23	693.23	0	ANNUAL	ALL	5	YES
504200	4857750	0.94562	696.31	696.31	0	ANNUAL	ALL	5	YES
503950	4858150	0.9437	695.46	695.46	0	ANNUAL	ALL	5	YES
504025	4857750	0.92389	694.07	694.07	0	ANNUAL	ALL	5	YES
503775	4858200	0.92058	690.57	690.57	0	ANNUAL	ALL	5	YES
504150	4858075	0.91508	694.19	694.19	0	ANNUAL	ALL	5	YES
504268.3	4857775	0.91388	695.71	695.71	0	ANNUAL	ALL	5	YES
503800	4858200	0.91347	690.54	690.54	0	ANNUAL	ALL	5	YES
503750	4858100	0.91261	688.79	688.79	0	ANNUAL	ALL	5	YES
504100	4858100	0.90932	694.1	694.1	0	ANNUAL	ALL	5	YES
503725	4858175	0.90801	689.66	689.66	0	ANNUAL	ALL	5	YES
504225	4857750	0.90773	696.41	696.41	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504075	4857750	0.90735	692.59	692.59	0	ANNUAL	ALL	5	YES
503750	4858200	0.90716	690.29	690.29	0	ANNUAL	ALL	5	YES
504050	4858125	0.90625	695.01	695.01	0	ANNUAL	ALL	5	YES
503900	4858175	0.90551	693.78	693.78	0	ANNUAL	ALL	5	YES
503725	4858150	0.89896	688.98	688.98	0	ANNUAL	ALL	5	YES
503762.6	4858072	0.89531	689.11	689.11	0	ANNUAL	ALL	5	YES
503975	4858150	0.89361	695.9	695.9	0	ANNUAL	ALL	5	YES
503825	4858200	0.89268	690.66	690.66	0	ANNUAL	ALL	5	YES
504275	4857775	0.88623	695.89	695.89	0	ANNUAL	ALL	5	YES
503725	4858200	0.87753	689.84	689.84	0	ANNUAL	ALL	5	YES
503850	4858200	0.86839	691.33	691.33	0	ANNUAL	ALL	5	YES
503725	4858125	0.86482	688.8	688.8	0	ANNUAL	ALL	5	YES
504250	4857750	0.85755	695.92	695.92	0	ANNUAL	ALL	5	YES
503925	4858175	0.85349	695.04	695.04	0	ANNUAL	ALL	5	YES
504000	4858150	0.85217	696	696	0	ANNUAL	ALL	5	YES
503750	4858075	0.84295	688.95	688.95	0	ANNUAL	ALL	5	YES
504125	4858100	0.84096	694.23	694.23	0	ANNUAL	ALL	5	YES
504075	4858125	0.8372	694.78	694.78	0	ANNUAL	ALL	5	YES
503700	4858175	0.83506	688.71	688.71	0	ANNUAL	ALL	5	YES
504250	4857975	0.83266	693.76	693.76	0	ANNUAL	ALL	5	YES
503700	4858200	0.83168	689.04	689.04	0	ANNUAL	ALL	5	YES
503875	4858200	0.82794	692.84	692.84	0	ANNUAL	ALL	5	YES
504265.6	4857936	0.82765	694.7	694.7	0	ANNUAL	ALL	5	YES
504225	4858025	0.8203	694.35	694.35	0	ANNUAL	ALL	5	YES
504293.1	4857775	0.81544	696.89	696.89	0	ANNUAL	ALL	5	YES
504125	4857725	0.8141	692.9	692.9	0	ANNUAL	ALL	5	YES
504200.6	4858051	0.81391	694.57	694.57	0	ANNUAL	ALL	5	YES
503700	4858150	0.8106	688.45	688.45	0	ANNUAL	ALL	5	YES
503725	4858100	0.80939	688.77	688.77	0	ANNUAL	ALL	5	YES
504025	4858150	0.80833	695.95	695.95	0	ANNUAL	ALL	5	YES
503739.5	4858077	0.80603	688.87	688.87	0	ANNUAL	ALL	5	YES
504150	4857725	0.80484	694.47	694.47	0	ANNUAL	ALL	5	YES
503950	4858175	0.8037	695.92	695.92	0	ANNUAL	ALL	5	YES
504175	4857725	0.79774	695.49	695.49	0	ANNUAL	ALL	5	YES
504100	4857725	0.79642	692.68	692.68	0	ANNUAL	ALL	5	YES
504275	4857750	0.79331	696.17	696.17	0	ANNUAL	ALL	5	YES
504300	4857775	0.78755	697.29	697.29	0	ANNUAL	ALL	5	YES
504313.2	4857819	0.78607	696.51	696.51	0	ANNUAL	ALL	5	YES
504224.4	4858028	0.78494	694.42	694.42	0	ANNUAL	ALL	5	YES
503900	4858200	0.78268	694.01	694.01	0	ANNUAL	ALL	5	YES
504200	4857725	0.78168	695.95	695.95	0	ANNUAL	ALL	5	YES
504311.8	4857844	0.77951	695.83	695.83	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504100	4858125	0.77719	694.68	694.68	0	ANNUAL	ALL	5	YES
504050	4858150	0.77234	695.86	695.86	0	ANNUAL	ALL	5	YES
503700	4858125	0.77082	688.68	688.68	0	ANNUAL	ALL	5	YES
503975	4858175	0.7677	696.11	696.11	0	ANNUAL	ALL	5	YES
504175	4858075	0.7631	694.67	694.67	0	ANNUAL	ALL	5	YES
503675	4858200	0.76264	687.49	687.49	0	ANNUAL	ALL	5	YES
504314.7	4857795	0.76206	697.39	697.39	0	ANNUAL	ALL	5	YES
504075	4857725	0.75873	693.4	693.4	0	ANNUAL	ALL	5	YES
504310.3	4857868	0.75866	695.75	695.75	0	ANNUAL	ALL	5	YES
504225	4857725	0.75643	696.38	696.38	0	ANNUAL	ALL	5	YES
503725	4858075	0.75139	688.91	688.91	0	ANNUAL	ALL	5	YES
503675	4858175	0.74802	687.35	687.35	0	ANNUAL	ALL	5	YES
503925	4858200	0.74035	695.21	695.21	0	ANNUAL	ALL	5	YES
504150	4858100	0.73922	694.61	694.61	0	ANNUAL	ALL	5	YES
503720.6	4858074	0.73706	689	689	0	ANNUAL	ALL	5	YES
504050	4857725	0.73578	694.46	694.46	0	ANNUAL	ALL	5	YES
504000	4858175	0.73576	696.21	696.21	0	ANNUAL	ALL	5	YES
504325	4857825	0.73317	696.35	696.35	0	ANNUAL	ALL	5	YES
504250	4857725	0.73105	696.61	696.61	0	ANNUAL	ALL	5	YES
504125	4858125	0.72804	694.61	694.61	0	ANNUAL	ALL	5	YES
504325	4857800	0.72693	697.33	697.33	0	ANNUAL	ALL	5	YES
504317.9	4857775	0.7248	697.87	697.87	0	ANNUAL	ALL	5	YES
504075	4858150	0.72405	695.74	695.74	0	ANNUAL	ALL	5	YES
503700	4858100	0.72256	689.13	689.13	0	ANNUAL	ALL	5	YES
504282.3	4857936	0.72248	695.22	695.22	0	ANNUAL	ALL	5	YES
504275	4857950	0.72245	694.3	694.3	0	ANNUAL	ALL	5	YES
503675	4858150	0.7213	687.82	687.82	0	ANNUAL	ALL	5	YES
504300	4857750	0.71939	697.48	697.48	0	ANNUAL	ALL	5	YES
504308.9	4857892	0.7181	696.01	696.01	0	ANNUAL	ALL	5	YES
504325	4857850	0.71354	695.84	695.84	0	ANNUAL	ALL	5	YES
503950	4858200	0.70353	695.81	695.81	0	ANNUAL	ALL	5	YES
504025	4858175	0.70225	696.32	696.32	0	ANNUAL	ALL	5	YES
504325	4857775	0.70061	698	698	0	ANNUAL	ALL	5	YES
503701.8	4858071	0.69951	689.71	689.71	0	ANNUAL	ALL	5	YES
504000	4857750	0.69627	694.46	694.46	0	ANNUAL	ALL	5	YES
503700	4858075	0.69592	689.7	689.7	0	ANNUAL	ALL	5	YES
504275	4857725	0.69536	696.85	696.85	0	ANNUAL	ALL	5	YES
504294.9	4857927	0.69002	695.78	695.78	0	ANNUAL	ALL	5	YES
503650	4858200	0.6891	686.01	686.01	0	ANNUAL	ALL	5	YES
503675	4858125	0.68883	688.88	688.88	0	ANNUAL	ALL	5	YES
504250	4858000	0.68744	693.95	693.95	0	ANNUAL	ALL	5	YES
504325	4857875	0.68213	695.95	695.95	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503683	4858068	0.67866	690.35	690.35	0	ANNUAL	ALL	5	YES
504125	4857700	0.67733	692.87	692.87	0	ANNUAL	ALL	5	YES
504050	4858175	0.67718	696.18	696.18	0	ANNUAL	ALL	5	YES
503975	4858200	0.67533	696.04	696.04	0	ANNUAL	ALL	5	YES
504100	4858150	0.67398	695.32	695.32	0	ANNUAL	ALL	5	YES
504150	4857700	0.67309	693.07	693.07	0	ANNUAL	ALL	5	YES
504300	4857925	0.67302	695.84	695.84	0	ANNUAL	ALL	5	YES
503650	4858175	0.66756	686.25	686.25	0	ANNUAL	ALL	5	YES
503700	4858300	0.66727	690.62	690.62	0	ANNUAL	ALL	5	YES
504175	4857700	0.66676	694.87	694.87	0	ANNUAL	ALL	5	YES
504307.4	4857917	0.66362	695.99	695.99	0	ANNUAL	ALL	5	YES
504200	4857700	0.65403	695.72	695.72	0	ANNUAL	ALL	5	YES
503675	4858100	0.65359	689.78	689.78	0	ANNUAL	ALL	5	YES
504175	4858100	0.65151	695.01	695.01	0	ANNUAL	ALL	5	YES
503664.2	4858065	0.65052	690.29	690.29	0	ANNUAL	ALL	5	YES
504300	4857725	0.65044	697.41	697.41	0	ANNUAL	ALL	5	YES
504325	4857750	0.65035	698.7	698.7	0	ANNUAL	ALL	5	YES
504150	4858125	0.6503	694.79	694.79	0	ANNUAL	ALL	5	YES
503675	4858075	0.64954	690.22	690.22	0	ANNUAL	ALL	5	YES
504200	4858075	0.64805	695.08	695.08	0	ANNUAL	ALL	5	YES
504000	4858200	0.64784	696.17	696.17	0	ANNUAL	ALL	5	YES
504100	4857700	0.64769	693.98	693.98	0	ANNUAL	ALL	5	YES
504025	4857725	0.64234	694.75	694.75	0	ANNUAL	ALL	5	YES
503665	4858041	0.64162	690.57	690.57	0	ANNUAL	ALL	5	YES
504075	4858175	0.64062	695.96	695.96	0	ANNUAL	ALL	5	YES
503650	4858150	0.6402	687.26	687.26	0	ANNUAL	ALL	5	YES
504350	4857800	0.64012	697.35	697.35	0	ANNUAL	ALL	5	YES
504225	4857700	0.63862	696.42	696.42	0	ANNUAL	ALL	5	YES
504125	4858150	0.63747	695.11	695.11	0	ANNUAL	ALL	5	YES
504350	4857825	0.63698	696.79	696.79	0	ANNUAL	ALL	5	YES
504275	4857975	0.63552	693.88	693.88	0	ANNUAL	ALL	5	YES
504325	4857900	0.63414	696.13	696.13	0	ANNUAL	ALL	5	YES
504222.5	4858051	0.63363	694.86	694.86	0	ANNUAL	ALL	5	YES
504350	4857775	0.62651	698	698	0	ANNUAL	ALL	5	YES
504225	4858050	0.62638	694.87	694.87	0	ANNUAL	ALL	5	YES
504025	4858200	0.62443	696.35	696.35	0	ANNUAL	ALL	5	YES
503600	4858300	0.62077	688.34	689.69	0	ANNUAL	ALL	5	YES
504250	4857700	0.61847	697.11	697.11	0	ANNUAL	ALL	5	YES
504350	4857850	0.61699	696.35	696.35	0	ANNUAL	ALL	5	YES
503625	4858200	0.61583	684.37	684.37	0	ANNUAL	ALL	5	YES
503650	4858125	0.61406	688.7	688.7	0	ANNUAL	ALL	5	YES
504300	4857950	0.61113	694.88	694.88	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504050	4858200	0.60369	696.37	696.37	0	ANNUAL	ALL	5	YES
504075	4857700	0.60342	694.85	694.85	0	ANNUAL	ALL	5	YES
504275	4857700	0.60145	697.25	697.25	0	ANNUAL	ALL	5	YES
504100	4858175	0.59855	695.84	695.84	0	ANNUAL	ALL	5	YES
503800	4858300	0.59715	692.21	692.21	0	ANNUAL	ALL	5	YES
503625	4858175	0.59458	685.41	685.41	0	ANNUAL	ALL	5	YES
504350	4857750	0.59235	698.99	698.99	0	ANNUAL	ALL	5	YES
504325	4857725	0.59192	699.08	699.08	0	ANNUAL	ALL	5	YES
503650	4858075	0.59085	689.77	689.77	0	ANNUAL	ALL	5	YES
504350	4857875	0.59052	696.25	696.25	0	ANNUAL	ALL	5	YES
504250	4858025	0.58848	694.49	694.49	0	ANNUAL	ALL	5	YES
503650	4858100	0.5863	689.51	689.51	0	ANNUAL	ALL	5	YES
504150	4858150	0.58256	695	695	0	ANNUAL	ALL	5	YES
504325	4857925	0.58199	695.94	695.94	0	ANNUAL	ALL	5	YES
504175	4858125	0.57737	695.15	695.15	0	ANNUAL	ALL	5	YES
504300	4857700	0.57473	697.91	697.91	0	ANNUAL	ALL	5	YES
504075	4858200	0.57396	696.28	696.28	0	ANNUAL	ALL	5	YES
503970.7	4857777	0.5737	694.45	694.45	0	ANNUAL	ALL	5	YES
503625	4858150	0.5733	687.01	687.01	0	ANNUAL	ALL	5	YES
503975	4857775	0.57126	694.33	694.33	0	ANNUAL	ALL	5	YES
504050	4857700	0.57078	695.27	695.27	0	ANNUAL	ALL	5	YES
504200	4858100	0.5706	695.49	695.49	0	ANNUAL	ALL	5	YES
504375	4857800	0.56253	698.01	698.01	0	ANNUAL	ALL	5	YES
504375	4857775	0.56248	697.86	697.86	0	ANNUAL	ALL	5	YES
504125	4858175	0.56174	695.65	695.65	0	ANNUAL	ALL	5	YES
504150	4857675	0.56152	694.13	694.13	0	ANNUAL	ALL	5	YES
504275	4858000	0.56128	694.07	694.07	0	ANNUAL	ALL	5	YES
504225	4858075	0.55954	695.43	695.43	0	ANNUAL	ALL	5	YES
504175	4857675	0.5585	695.09	695.09	0	ANNUAL	ALL	5	YES
503600	4858200	0.55842	683.98	683.98	0	ANNUAL	ALL	5	YES
504375	4857825	0.55375	697.87	697.87	0	ANNUAL	ALL	5	YES
503650	4858050	0.5523	689.78	689.78	0	ANNUAL	ALL	5	YES
504125	4857675	0.55047	694.83	694.83	0	ANNUAL	ALL	5	YES
504350	4857900	0.55002	696.38	696.38	0	ANNUAL	ALL	5	YES
504200	4857675	0.54821	696.39	696.39	0	ANNUAL	ALL	5	YES
504300	4857975	0.54726	694.18	694.18	0	ANNUAL	ALL	5	YES
503625	4858125	0.54404	688.07	688.07	0	ANNUAL	ALL	5	YES
504350	4857725	0.54238	699.86	699.86	0	ANNUAL	ALL	5	YES
504225	4857675	0.54039	697.09	697.09	0	ANNUAL	ALL	5	YES
503600	4858175	0.54029	685.45	685.45	0	ANNUAL	ALL	5	YES
504375	4857750	0.54027	699.06	699.06	0	ANNUAL	ALL	5	YES
504100	4858200	0.53726	696.08	696.08	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504375	4857850	0.53614	697.5	697.5	0	ANNUAL	ALL	5	YES
504325	4857700	0.53567	699.22	699.22	0	ANNUAL	ALL	5	YES
504250	4858050	0.53354	695.14	695.14	0	ANNUAL	ALL	5	YES
504325	4857950	0.53333	695.21	695.21	0	ANNUAL	ALL	5	YES
504250	4857675	0.5298	697.6	697.6	0	ANNUAL	ALL	5	YES
503625	4858100	0.52689	688.79	688.79	0	ANNUAL	ALL	5	YES
504100	4857675	0.52242	695.38	695.38	0	ANNUAL	ALL	5	YES
504175	4858150	0.522	695.07	695.07	0	ANNUAL	ALL	5	YES
503900	4858300	0.52189	693.58	693.58	0	ANNUAL	ALL	5	YES
503950	4857775	0.52155	694.61	694.61	0	ANNUAL	ALL	5	YES
504150	4858175	0.51985	695.49	695.49	0	ANNUAL	ALL	5	YES
503575	4858200	0.51847	684.89	684.89	0	ANNUAL	ALL	5	YES
503600	4858150	0.51832	687.14	687.14	0	ANNUAL	ALL	5	YES
504275	4857675	0.51585	697.87	697.87	0	ANNUAL	ALL	5	YES
504375	4857875	0.51566	697.15	697.15	0	ANNUAL	ALL	5	YES
504200	4858125	0.51485	695.6	695.6	0	ANNUAL	ALL	5	YES
503945.9	4857777	0.51428	694.6	694.6	0	ANNUAL	ALL	5	YES
504000	4857725	0.51372	694.99	694.99	0	ANNUAL	ALL	5	YES
504350	4857925	0.51106	695.88	695.88	0	ANNUAL	ALL	5	YES
504275	4858025	0.50923	694.64	694.64	0	ANNUAL	ALL	5	YES
504225	4858100	0.50575	695.87	695.87	0	ANNUAL	ALL	5	YES
504125	4858200	0.50447	695.89	695.89	0	ANNUAL	ALL	5	YES
503665.7	4858017	0.50308	690.77	690.77	0	ANNUAL	ALL	5	YES
504300	4857675	0.50115	698.35	698.35	0	ANNUAL	ALL	5	YES
504025	4857700	0.5006	695.34	695.34	0	ANNUAL	ALL	5	YES
503625	4858075	0.49873	689.19	689.19	0	ANNUAL	ALL	5	YES
503575	4858175	0.49869	686.51	686.51	0	ANNUAL	ALL	5	YES
504350	4857700	0.49851	700.05	700.05	0	ANNUAL	ALL	5	YES
504375	4857725	0.49777	700.53	700.53	0	ANNUAL	ALL	5	YES
503600	4858125	0.49423	688.28	688.28	0	ANNUAL	ALL	5	YES
504400	4857775	0.4939	699.21	699.21	0	ANNUAL	ALL	5	YES
504400	4857800	0.49317	699.11	699.11	0	ANNUAL	ALL	5	YES
504300	4858000	0.49287	694.26	694.26	0	ANNUAL	ALL	5	YES
503600	4858400	0.49048	687.38	690.04	0	ANNUAL	ALL	5	YES
504250	4858075	0.48907	695.7	695.7	0	ANNUAL	ALL	5	YES
504400	4857750	0.48567	699.63	699.63	0	ANNUAL	ALL	5	YES
503550	4858200	0.48539	686.39	690.12	0	ANNUAL	ALL	5	YES
504375	4857900	0.48412	696.64	696.64	0	ANNUAL	ALL	5	YES
504400	4857825	0.48361	698.88	698.88	0	ANNUAL	ALL	5	YES
504075	4857675	0.48314	695.94	695.94	0	ANNUAL	ALL	5	YES
504325	4857675	0.48132	698.89	698.89	0	ANNUAL	ALL	5	YES
504325	4857975	0.48066	694.59	694.59	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503575	4858150	0.47886	688.08	688.08	0	ANNUAL	ALL	5	YES
504175	4858175	0.47653	695.24	695.24	0	ANNUAL	ALL	5	YES
503500	4858300	0.4758	683.98	690.52	0	ANNUAL	ALL	5	YES
503700	4858400	0.47543	690.38	690.38	0	ANNUAL	ALL	5	YES
504350	4857950	0.47224	695.37	695.37	0	ANNUAL	ALL	5	YES
504150	4858200	0.47178	695.84	695.84	0	ANNUAL	ALL	5	YES
503550	4858175	0.4697	688.28	689.03	0	ANNUAL	ALL	5	YES
504200	4858150	0.46954	695.45	695.45	0	ANNUAL	ALL	5	YES
504400	4857850	0.46931	698.37	698.37	0	ANNUAL	ALL	5	YES
503600	4858100	0.46895	689.01	689.01	0	ANNUAL	ALL	5	YES
503975	4857750	0.46715	694.62	694.62	0	ANNUAL	ALL	5	YES
504225	4858125	0.46264	696.06	696.06	0	ANNUAL	ALL	5	YES
504275	4858050	0.46203	695.32	695.32	0	ANNUAL	ALL	5	YES
504375	4857700	0.46161	700.75	700.75	0	ANNUAL	ALL	5	YES
504400	4857725	0.4584	700.73	700.73	0	ANNUAL	ALL	5	YES
504050	4857675	0.45555	696.02	696.02	0	ANNUAL	ALL	5	YES
503575	4858125	0.45421	689.25	689.25	0	ANNUAL	ALL	5	YES
504375	4857925	0.4536	696.03	696.03	0	ANNUAL	ALL	5	YES
504400	4857875	0.45337	697.86	697.86	0	ANNUAL	ALL	5	YES
504350	4857675	0.45304	700.08	700.08	0	ANNUAL	ALL	5	YES
504300	4858025	0.45031	694.74	694.74	0	ANNUAL	ALL	5	YES
504250	4858100	0.44992	696.16	696.16	0	ANNUAL	ALL	5	YES
504000	4858300	0.44833	695.17	695.17	0	ANNUAL	ALL	5	YES
503550	4858150	0.44587	689.54	689.54	0	ANNUAL	ALL	5	YES
504325	4858000	0.4392	694.3	694.3	0	ANNUAL	ALL	5	YES
504425	4857775	0.43909	700.03	700.03	0	ANNUAL	ALL	5	YES
503800	4858400	0.43865	690.8	690.8	0	ANNUAL	ALL	5	YES
503500	4858400	0.43844	681.51	681.51	0	ANNUAL	ALL	5	YES
504175	4858200	0.43577	695.56	695.56	0	ANNUAL	ALL	5	YES
503500	4858200	0.43552	690.42	690.42	0	ANNUAL	ALL	5	YES
504425	4857750	0.43505	700.41	700.41	0	ANNUAL	ALL	5	YES
504425	4857800	0.43463	700.02	700.02	0	ANNUAL	ALL	5	YES
503925	4857775	0.43279	694.81	694.81	0	ANNUAL	ALL	5	YES
504200	4858175	0.43082	695.39	695.39	0	ANNUAL	ALL	5	YES
504400	4857700	0.42955	701.09	701.09	0	ANNUAL	ALL	5	YES
504350	4857975	0.42948	694.95	694.95	0	ANNUAL	ALL	5	YES
504400	4857900	0.42923	697.18	697.18	0	ANNUAL	ALL	5	YES
504425	4857825	0.42911	699.42	699.42	0	ANNUAL	ALL	5	YES
503650	4858025	0.42874	689.9	689.9	0	ANNUAL	ALL	5	YES
504275	4858075	0.42813	695.93	695.93	0	ANNUAL	ALL	5	YES
504225	4858150	0.42734	695.95	695.95	0	ANNUAL	ALL	5	YES
504375	4857675	0.42569	700.78	700.78	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503921.1	4857777	0.42568	694.81	694.81	0	ANNUAL	ALL	5	YES
504375	4857950	0.42434	695.69	695.69	0	ANNUAL	ALL	5	YES
503625	4858050	0.42401	689.62	689.62	0	ANNUAL	ALL	5	YES
504425	4857725	0.42156	701.02	701.02	0	ANNUAL	ALL	5	YES
503600	4858075	0.41927	689.63	689.63	0	ANNUAL	ALL	5	YES
504425	4857850	0.41827	698.71	698.71	0	ANNUAL	ALL	5	YES
504000	4857700	0.41494	695.53	695.53	0	ANNUAL	ALL	5	YES
504250	4858125	0.41484	696.59	696.59	0	ANNUAL	ALL	5	YES
503575	4858100	0.41357	689.81	689.81	0	ANNUAL	ALL	5	YES
504025	4857675	0.41232	695.76	695.76	0	ANNUAL	ALL	5	YES
504300	4858050	0.41094	695.41	695.41	0	ANNUAL	ALL	5	YES
503550	4858125	0.40877	690.08	690.08	0	ANNUAL	ALL	5	YES
503900	4858400	0.40848	691.05	691.05	0	ANNUAL	ALL	5	YES
503975	4857725	0.40654	695.18	695.18	0	ANNUAL	ALL	5	YES
504325	4858025	0.40605	694.73	694.73	0	ANNUAL	ALL	5	YES
503950	4857750	0.40492	695.08	695.08	0	ANNUAL	ALL	5	YES
504400	4857925	0.40449	696.6	696.6	0	ANNUAL	ALL	5	YES
504425	4857875	0.40393	698.23	698.23	0	ANNUAL	ALL	5	YES
503400	4858300	0.40187	690.68	690.68	0	ANNUAL	ALL	5	YES
504275	4858100	0.40147	696.45	696.45	0	ANNUAL	ALL	5	YES
503400	4858400	0.40072	683.63	690.43	0	ANNUAL	ALL	5	YES
504400	4857675	0.40067	701.32	701.32	0	ANNUAL	ALL	5	YES
504425	4857700	0.39949	701.48	701.48	0	ANNUAL	ALL	5	YES
504200	4858200	0.39825	695.47	695.47	0	ANNUAL	ALL	5	YES
504350	4858000	0.39557	694.61	694.61	0	ANNUAL	ALL	5	YES
504225	4858175	0.39541	695.81	695.81	0	ANNUAL	ALL	5	YES
503500	4858500	0.39425	686.96	686.96	0	ANNUAL	ALL	5	YES
503666.4	4857993	0.38887	691.26	691.26	0	ANNUAL	ALL	5	YES
504250	4858150	0.38704	696.56	696.56	0	ANNUAL	ALL	5	YES
504375	4857975	0.38555	695.38	695.38	0	ANNUAL	ALL	5	YES
504425	4857900	0.38398	697.7	697.7	0	ANNUAL	ALL	5	YES
504100	4858300	0.38202	696.89	696.89	0	ANNUAL	ALL	5	YES
504400	4857950	0.38163	696.26	696.26	0	ANNUAL	ALL	5	YES
504300	4858075	0.3804	696.06	696.06	0	ANNUAL	ALL	5	YES
503400	4858500	0.37864	685.25	685.25	0	ANNUAL	ALL	5	YES
504425	4857675	0.37602	701.72	701.72	0	ANNUAL	ALL	5	YES
504275	4858125	0.37507	696.9	696.9	0	ANNUAL	ALL	5	YES
504000	4858400	0.37416	692.27	692.27	0	ANNUAL	ALL	5	YES
504325	4858050	0.37247	695.36	695.36	0	ANNUAL	ALL	5	YES
504350	4858025	0.36991	694.64	694.64	0	ANNUAL	ALL	5	YES
504225	4858200	0.3685	695.62	695.62	0	ANNUAL	ALL	5	YES
504250	4858175	0.36506	696.22	696.22	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
504425	4857925	0.36316	697.28	697.28	0	ANNUAL	ALL	5	YES
503900	4857775	0.36222	694.98	694.98	0	ANNUAL	ALL	5	YES
503550	4858100	0.36165	690.49	690.49	0	ANNUAL	ALL	5	YES
503575	4858075	0.35868	690.21	690.21	0	ANNUAL	ALL	5	YES
504375	4858000	0.35833	694.85	694.85	0	ANNUAL	ALL	5	YES
504300	4858100	0.35763	696.65	696.65	0	ANNUAL	ALL	5	YES
503925	4857750	0.35549	695.26	695.26	0	ANNUAL	ALL	5	YES
503896.3	4857777	0.35535	694.97	694.97	0	ANNUAL	ALL	5	YES
504200	4857600	0.35498	695.86	695.86	0	ANNUAL	ALL	5	YES
504000	4857675	0.35395	695.95	695.95	0	ANNUAL	ALL	5	YES
503600	4858050	0.35235	689.97	689.97	0	ANNUAL	ALL	5	YES
503975	4857700	0.35227	695.67	695.67	0	ANNUAL	ALL	5	YES
504275	4858150	0.35106	697.05	697.05	0	ANNUAL	ALL	5	YES
504400	4857975	0.35062	695.82	695.82	0	ANNUAL	ALL	5	YES
503650	4858000	0.34911	690.63	690.63	0	ANNUAL	ALL	5	YES
503950	4857725	0.34749	695.46	695.46	0	ANNUAL	ALL	5	YES
503600	4858500	0.34682	683.17	690.26	0	ANNUAL	ALL	5	YES
504425	4857950	0.34588	696.8	696.8	0	ANNUAL	ALL	5	YES
504325	4858075	0.34425	696.07	696.07	0	ANNUAL	ALL	5	YES
503625	4858025	0.34416	689.91	689.91	0	ANNUAL	ALL	5	YES
504350	4858050	0.34283	695.26	695.26	0	ANNUAL	ALL	5	YES
504250	4858200	0.34265	695.9	695.9	0	ANNUAL	ALL	5	YES
504300	4857600	0.33863	699.72	699.72	0	ANNUAL	ALL	5	YES
504375	4858025	0.33824	694.7	694.7	0	ANNUAL	ALL	5	YES
504300	4858125	0.33822	697.21	697.21	0	ANNUAL	ALL	5	YES
503500	4858600	0.33638	691.15	691.15	0	ANNUAL	ALL	5	YES
503700	4858500	0.33231	684.79	684.79	0	ANNUAL	ALL	5	YES
504275	4858175	0.33223	696.82	696.82	0	ANNUAL	ALL	5	YES
503667.2	4857969	0.32691	691.82	691.82	0	ANNUAL	ALL	5	YES
504400	4858000	0.3256	695.29	695.29	0	ANNUAL	ALL	5	YES
503300	4858500	0.32327	679.48	690.82	0	ANNUAL	ALL	5	YES
503300	4858400	0.3228	683.56	691.2	0	ANNUAL	ALL	5	YES
504325	4858100	0.32214	696.78	696.78	0	ANNUAL	ALL	5	YES
504425	4857975	0.32181	696.21	696.21	0	ANNUAL	ALL	5	YES
504100	4858400	0.32039	694.02	694.02	0	ANNUAL	ALL	5	YES
504300	4858150	0.32032	697.45	697.45	0	ANNUAL	ALL	5	YES
504100	4857600	0.3183	697.42	697.42	0	ANNUAL	ALL	5	YES
504375	4858050	0.31783	695.01	695.01	0	ANNUAL	ALL	5	YES
504275	4858200	0.31691	696.42	696.42	0	ANNUAL	ALL	5	YES
503800	4858500	0.3167	685.7	690.27	0	ANNUAL	ALL	5	YES
504350	4858075	0.31577	695.99	695.99	0	ANNUAL	ALL	5	YES
503300	4858600	0.31558	684.79	690.73	0	ANNUAL	ALL	5	YES

Scenario 2, Annual PM 2.5

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NAAQS Receptor?
503600	4858600	0.31505	690.09	690.09	0	ANNUAL	ALL	5	YES
503550	4858075	0.31447	690.85	690.85	0	ANNUAL	ALL	5	YES
503400	4858600	0.31107	683.47	691.45	0	ANNUAL	ALL	5	YES
504500	4857800	0.31089	702.37	702.37	0	ANNUAL	ALL	5	YES
504400	4858025	0.31041	694.94	694.94	0	ANNUAL	ALL	5	YES
503950	4857700	0.30954	695.89	695.89	0	ANNUAL	ALL	5	YES
503975	4857675	0.3086	696.04	696.04	0	ANNUAL	ALL	5	YES
503925	4857725	0.3083	695.63	695.63	0	ANNUAL	ALL	5	YES
504500	4857700	0.30764	703.89	703.89	0	ANNUAL	ALL	5	YES
503575	4858050	0.30749	690.58	690.58	0	ANNUAL	ALL	5	YES
503900	4857750	0.30733	695.42	695.42	0	ANNUAL	ALL	5	YES
504400	4857600	0.30569	702.01	702.01	0	ANNUAL	ALL	5	YES
504325	4858125	0.30506	697.45	697.45	0	ANNUAL	ALL	5	YES
504200	4858300	0.30481	696.38	696.38	0	ANNUAL	ALL	5	YES
503650	4857975	0.30328	691.4	691.4	0	ANNUAL	ALL	5	YES
504300	4858175	0.30319	697.34	697.34	0	ANNUAL	ALL	5	YES
503875	4857775	0.30134	695.02	695.02	0	ANNUAL	ALL	5	YES
503600	4858025	0.30074	690.42	690.42	0	ANNUAL	ALL	5	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504232.2	4857935	43.31467	693.48	693.48	0	24-Hr	ALL	1st	2015	YES
504019.1	4858037	41.0948	691.46	691.46	0	24-Hr	ALL	1st	2013	YES
504230.2	4857959	40.93905	693.33	693.33	0	24-Hr	ALL	1st	2015	YES
503948.4	4858041	39.84096	691.13	691.13	0	24-Hr	ALL	1st	2013	YES
504156.9	4858051	39.68915	693.74	693.74	0	24-Hr	ALL	1st	2014	YES
504228.3	4857982	38.6396	693.41	693.41	0	24-Hr	ALL	1st	2015	YES
504089.8	4858033	38.26716	692.23	692.23	0	24-Hr	ALL	1st	2013	YES
503995.5	4858039	37.83446	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
504066.2	4858035	37.48511	691.92	691.92	0	24-Hr	ALL	1st	2013	YES
504178.8	4858051	37.2019	694.27	694.27	0	24-Hr	ALL	1st	2014	YES
503972	4858040	36.96164	691.23	691.23	0	24-Hr	ALL	1st	2013	YES
503925	4858050	36.36307	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
503950	4858050	36.37822	691.46	691.46	0	24-Hr	ALL	1st	2013	YES
503924.8	4858043	36.06439	690.7	690.7	0	24-Hr	ALL	1st	2013	YES
504135.1	4858051	36.00303	693.36	693.36	0	24-Hr	ALL	1st	2014	YES
504000	4858050	35.40334	691.59	691.59	0	24-Hr	ALL	1st	2013	YES
504113.2	4858051	34.98644	692.97	692.97	0	24-Hr	ALL	1st	2013	YES
503975	4858050	32.57426	691.62	691.62	0	24-Hr	ALL	1st	2011	YES
504042.7	4858036	32.55942	691.68	691.68	0	24-Hr	ALL	1st	2013	YES
503925	4858075	31.09082	691.87	691.87	0	24-Hr	ALL	1st	2013	YES
503900	4858075	31.01048	691.28	691.28	0	24-Hr	ALL	1st	2013	YES
504025	4858050	30.96599	691.76	691.76	0	24-Hr	ALL	1st	2013	YES
504091.4	4858051	30.03065	692.66	692.66	0	24-Hr	ALL	1st	2013	YES
504226.4	4858005	29.6735	693.76	693.76	0	24-Hr	ALL	1st	2015	YES
503900	4858050	29.3379	690.35	690.35	0	24-Hr	ALL	1st	2013	YES
503950	4858075	29.28102	692.31	692.31	0	24-Hr	ALL	1st	2011	YES
503975	4858075	29.05903	692.58	692.58	0	24-Hr	ALL	1st	2013	YES
503901.3	4858044	28.9521	690.21	690.21	0	24-Hr	ALL	1st	2013	YES
504250	4857975	28.34617	693.76	693.76	0	24-Hr	ALL	1st	2015	YES
504248.9	4857936	28.21838	694.22	694.22	0	24-Hr	ALL	1st	2015	YES
504250	4857950	28.19096	693.91	693.91	0	24-Hr	ALL	1st	2015	YES
504000	4858075	28.16625	692.58	692.58	0	24-Hr	ALL	1st	2013	YES
504075	4858050	27.82528	692.4	692.4	0	24-Hr	ALL	1st	2013	YES
504050	4858050	27.0319	692.06	692.06	0	24-Hr	ALL	1st	2013	YES
503900	4858100	26.73199	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
503925	4858100	26.41456	692.9	692.9	0	24-Hr	ALL	1st	2011	YES
503875	4858100	26.24783	691.54	691.54	0	24-Hr	ALL	1st	2013	YES
504200.6	4858051	26.24198	694.57	694.57	0	24-Hr	ALL	1st	2014	YES
503950	4858100	26.09779	693.43	693.43	0	24-Hr	ALL	1st	2013	YES
503875	4858075	26.06559	690.81	690.81	0	24-Hr	ALL	1st	2013	YES
504100	4857775	26.04437	693.75	693.75	0	24-Hr	ALL	1st	2014	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504150	4858075	25.46806	694.19	694.19	0	24-Hr	ALL	1st	2014	YES
504119.5	4857776	25.21224	694.76	694.76	0	24-Hr	ALL	1st	2014	YES
503878.2	4858049	24.84771	690	690	0	24-Hr	ALL	1st	2013	YES
503875	4858050	24.53	690.02	690.02	0	24-Hr	ALL	1st	2013	YES
504100	4858075	24.1872	693.47	693.47	0	24-Hr	ALL	1st	2013	YES
504250	4858000	24.11178	693.95	693.95	0	24-Hr	ALL	1st	2015	YES
503975	4858100	24.09937	693.75	693.75	0	24-Hr	ALL	1st	2013	YES
504265.6	4857936	24.03614	694.7	694.7	0	24-Hr	ALL	1st	2015	YES
504193.9	4857776	23.94419	696.24	696.24	0	24-Hr	ALL	1st	2014	YES
504308.9	4857892	23.89708	696.01	696.01	0	24-Hr	ALL	1st	2015	YES
503850	4858125	23.83154	691.16	691.16	0	24-Hr	ALL	1st	2013	YES
504069.9	4857776	23.83288	692.49	692.49	0	24-Hr	ALL	1st	2012	YES
503875	4858125	23.71532	692.03	692.03	0	24-Hr	ALL	1st	2013	YES
504218.7	4857776	23.65629	696.22	696.22	0	24-Hr	ALL	1st	2014	YES
504225	4857775	23.60358	696.11	696.11	0	24-Hr	ALL	1st	2014	YES
504025	4858075	23.47739	692.56	692.56	0	24-Hr	ALL	1st	2011	YES
503900	4858125	23.40818	692.97	692.97	0	24-Hr	ALL	1st	2011	YES
503925	4858125	23.353	693.89	693.89	0	24-Hr	ALL	1st	2013	YES
503850	4858100	23.21827	690.8	690.8	0	24-Hr	ALL	1st	2013	YES
503855	4858053	23.15368	689.85	689.85	0	24-Hr	ALL	1st	2013	YES
504075	4858075	22.98373	693.15	693.15	0	24-Hr	ALL	1st	2013	YES
503850	4858150	22.97548	691.4	691.4	0	24-Hr	ALL	1st	2013	YES
504050	4857775	22.97598	692.8	692.8	0	24-Hr	ALL	1st	2013	YES
504175	4858075	22.8927	694.67	694.67	0	24-Hr	ALL	1st	2014	YES
504294.9	4857927	22.81397	695.78	695.78	0	24-Hr	ALL	1st	2015	YES
504225	4858025	22.80881	694.35	694.35	0	24-Hr	ALL	1st	2013	YES
504200	4858075	22.74597	695.08	695.08	0	24-Hr	ALL	1st	2014	YES
504094.7	4857776	22.64347	693.35	693.35	0	24-Hr	ALL	1st	2014	YES
504307.4	4857917	22.61043	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504200	4857775	22.57623	696.28	696.28	0	24-Hr	ALL	1st	2014	YES
504300	4857925	22.55798	695.84	695.84	0	24-Hr	ALL	1st	2015	YES
504175	4857775	22.54381	696.13	696.13	0	24-Hr	ALL	1st	2014	YES
504169.1	4857776	22.49891	696.07	696.07	0	24-Hr	ALL	1st	2014	YES
504282.3	4857936	22.45832	695.22	695.22	0	24-Hr	ALL	1st	2015	YES
504275	4857975	22.45981	693.88	693.88	0	24-Hr	ALL	1st	2015	YES
503850	4858075	22.29902	690.23	690.23	0	24-Hr	ALL	1st	2013	YES
504125	4857775	22.24414	694.97	694.97	0	24-Hr	ALL	1st	2011	YES
504050	4858075	22.16371	692.9	692.9	0	24-Hr	ALL	1st	2013	YES
504275	4857950	22.16584	694.3	694.3	0	24-Hr	ALL	1st	2015	YES
504325	4857900	22.17541	696.13	696.13	0	24-Hr	ALL	1st	2015	YES
503825	4858150	22.08124	690.51	690.51	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504224.4	4858028	21.95398	694.42	694.42	0	24-Hr	ALL	1st	2013	YES
503825	4858175	21.89466	689.82	689.82	0	24-Hr	ALL	1st	2013	YES
504125	4857750	21.91494	694.51	694.51	0	24-Hr	ALL	1st	2014	YES
504075	4857775	21.79986	692.53	692.53	0	24-Hr	ALL	1st	2012	YES
504243.5	4857776	21.77524	695.84	695.84	0	24-Hr	ALL	1st	2014	YES
503831.9	4858058	21.74635	689.7	689.7	0	24-Hr	ALL	1st	2013	YES
503950	4858125	21.7172	694.59	694.59	0	24-Hr	ALL	1st	2013	YES
503875	4858150	21.70444	692.4	692.4	0	24-Hr	ALL	1st	2013	YES
504125	4858075	21.55244	693.84	693.84	0	24-Hr	ALL	1st	2014	YES
503900	4858150	21.47823	693.52	693.52	0	24-Hr	ALL	1st	2011	YES
504045.1	4857776	21.43234	692.9	692.9	0	24-Hr	ALL	1st	2013	YES
504100	4858100	21.37381	694.1	694.1	0	24-Hr	ALL	1st	2013	YES
503800	4858200	21.29752	690.54	690.54	0	24-Hr	ALL	1st	2013	YES
503850	4858175	21.10812	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
504250	4857775	20.95485	695.73	695.73	0	24-Hr	ALL	1st	2014	YES
503825	4858075	20.93518	689.81	689.81	0	24-Hr	ALL	1st	2013	YES
504144.3	4857776	20.93307	695.72	695.72	0	24-Hr	ALL	1st	2014	YES
503825	4858100	20.85411	690.18	690.18	0	24-Hr	ALL	1st	2013	YES
504000	4858100	20.86196	693.81	693.81	0	24-Hr	ALL	1st	2013	YES
503825	4858125	20.68655	690.55	690.55	0	24-Hr	ALL	1st	2013	YES
503825	4858200	20.68105	690.66	690.66	0	24-Hr	ALL	1st	2013	YES
503975	4858125	20.62907	695.01	695.01	0	24-Hr	ALL	1st	2013	YES
504325	4857875	20.53026	695.95	695.95	0	24-Hr	ALL	1st	2015	YES
504325	4857925	20.41691	695.94	695.94	0	24-Hr	ALL	1st	2015	YES
504310.3	4857868	20.43532	695.75	695.75	0	24-Hr	ALL	1st	2015	YES
503800	4858175	20.33342	689.83	689.83	0	24-Hr	ALL	1st	2013	YES
504150	4857775	20.32751	695.87	695.87	0	24-Hr	ALL	1st	2014	YES
504125	4857725	20.1589	692.9	692.9	0	24-Hr	ALL	1st	2014	YES
503808.8	4858063	20.02881	689.6	689.6	0	24-Hr	ALL	1st	2013	YES
504350	4857900	20.02002	696.38	696.38	0	24-Hr	ALL	1st	2015	YES
503875	4858175	19.98948	692.53	692.53	0	24-Hr	ALL	1st	2013	YES
504100	4857750	19.99029	693.04	693.04	0	24-Hr	ALL	1st	2014	YES
503925	4858150	19.92349	694.6	694.6	0	24-Hr	ALL	1st	2013	YES
504025	4858100	19.89638	693.75	693.75	0	24-Hr	ALL	1st	2015	YES
504300	4857950	19.82137	694.88	694.88	0	24-Hr	ALL	1st	2015	YES
504200	4858100	19.78146	695.49	695.49	0	24-Hr	ALL	1st	2014	YES
504075	4858100	19.73045	694.01	694.01	0	24-Hr	ALL	1st	2013	YES
503800	4858100	19.63039	689.68	689.68	0	24-Hr	ALL	1st	2013	YES
504175	4858100	19.62828	695.01	695.01	0	24-Hr	ALL	1st	2014	YES
503800	4858075	19.59924	689.54	689.54	0	24-Hr	ALL	1st	2013	YES
503800	4858125	19.57854	689.9	689.9	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503950	4858150	19.50433	695.46	695.46	0	24-Hr	ALL	1st	2013	YES
503850	4858200	19.38986	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
503775	4858200	19.32703	690.57	690.57	0	24-Hr	ALL	1st	2013	YES
504225	4857750	19.28582	696.41	696.41	0	24-Hr	ALL	1st	2014	YES
504125	4858100	19.21052	694.23	694.23	0	24-Hr	ALL	1st	2013	YES
504100	4858125	19.10623	694.68	694.68	0	24-Hr	ALL	1st	2013	YES
504050	4857750	19.06984	693.23	693.23	0	24-Hr	ALL	1st	2013	YES
504275	4858000	18.99086	694.07	694.07	0	24-Hr	ALL	1st	2015	YES
504150	4858100	18.94921	694.61	694.61	0	24-Hr	ALL	1st	2014	YES
504050	4858100	18.84723	693.75	693.75	0	24-Hr	ALL	1st	2013	YES
503900	4858175	18.78885	693.78	693.78	0	24-Hr	ALL	1st	2011	YES
504300	4857975	18.73338	694.18	694.18	0	24-Hr	ALL	1st	2015	YES
504268.3	4857775	18.70373	695.71	695.71	0	24-Hr	ALL	1st	2014	YES
504350	4857925	18.71056	695.88	695.88	0	24-Hr	ALL	1st	2015	YES
504325	4857950	18.68673	695.21	695.21	0	24-Hr	ALL	1st	2015	YES
503775	4858125	18.67854	689.25	689.25	0	24-Hr	ALL	1st	2013	YES
503775	4858100	18.6454	689.21	689.21	0	24-Hr	ALL	1st	2013	YES
504225	4858100	18.62145	695.87	695.87	0	24-Hr	ALL	1st	2014	YES
503800	4858150	18.49774	689.79	689.79	0	24-Hr	ALL	1st	2013	YES
504275	4857775	18.49501	695.89	695.89	0	24-Hr	ALL	1st	2013	YES
503875	4858200	18.30605	692.84	692.84	0	24-Hr	ALL	1st	2011	YES
504125	4857700	18.30588	692.87	692.87	0	24-Hr	ALL	1st	2014	YES
504225	4858075	18.29404	695.43	695.43	0	24-Hr	ALL	1st	2014	YES
503700	4858300	18.22421	690.62	690.62	0	24-Hr	ALL	1st	2013	YES
504275	4858025	18.2353	694.64	694.64	0	24-Hr	ALL	1st	2015	YES
504250	4858025	18.22752	694.49	694.49	0	24-Hr	ALL	1st	2015	YES
503775	4858150	18.21964	689.49	689.49	0	24-Hr	ALL	1st	2013	YES
503785.7	4858068	18.1619	689.38	689.38	0	24-Hr	ALL	1st	2013	YES
504350	4857875	18.21475	696.25	696.25	0	24-Hr	ALL	1st	2015	YES
504125	4858125	18.16303	694.61	694.61	0	24-Hr	ALL	1st	2013	YES
504275	4857750	18.08099	696.17	696.17	0	24-Hr	ALL	1st	2014	YES
504375	4857900	18.04487	696.64	696.64	0	24-Hr	ALL	1st	2015	YES
504293.1	4857775	17.84275	696.89	696.89	0	24-Hr	ALL	1st	2013	YES
504350	4857950	17.80072	695.37	695.37	0	24-Hr	ALL	1st	2015	YES
503950	4858175	17.81998	695.92	695.92	0	24-Hr	ALL	1st	2013	YES
503750	4858125	17.79379	688.95	688.95	0	24-Hr	ALL	1st	2013	YES
503925	4858175	17.79456	695.04	695.04	0	24-Hr	ALL	1st	2013	YES
504222.5	4858051	17.80358	694.86	694.86	0	24-Hr	ALL	1st	2014	YES
504175	4858125	17.78679	695.15	695.15	0	24-Hr	ALL	1st	2014	YES
504200	4857750	17.73313	696.31	696.31	0	24-Hr	ALL	1st	2014	YES
503750	4858150	17.71186	689.26	689.26	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503775	4858075	17.69561	689.23	689.23	0	24-Hr	ALL	1st	2013	YES
503975	4858150	17.69345	695.9	695.9	0	24-Hr	ALL	1st	2013	YES
504025	4858125	17.60526	695.15	695.15	0	24-Hr	ALL	1st	2015	YES
504225	4858125	17.50753	696.06	696.06	0	24-Hr	ALL	1st	2014	YES
504250	4857750	17.49694	695.92	695.92	0	24-Hr	ALL	1st	2014	YES
504075	4857750	17.4665	692.59	692.59	0	24-Hr	ALL	1st	2014	YES
504150	4857750	17.41217	695.7	695.7	0	24-Hr	ALL	1st	2012	YES
504300	4857775	17.35021	697.29	697.29	0	24-Hr	ALL	1st	2013	YES
504075	4858125	17.34371	694.78	694.78	0	24-Hr	ALL	1st	2013	YES
504200	4858125	17.25018	695.6	695.6	0	24-Hr	ALL	1st	2014	YES
503725	4858150	17.20768	688.98	688.98	0	24-Hr	ALL	1st	2013	YES
504225	4858050	17.2214	694.87	694.87	0	24-Hr	ALL	1st	2013	YES
504300	4858000	17.18802	694.26	694.26	0	24-Hr	ALL	1st	2015	YES
504375	4857925	17.15918	696.03	696.03	0	24-Hr	ALL	1st	2015	YES
504020.3	4857776	17.16846	693.31	693.31	0	24-Hr	ALL	1st	2015	YES
504100	4858150	17.11249	695.32	695.32	0	24-Hr	ALL	1st	2013	YES
504313.2	4857819	17.1029	696.51	696.51	0	24-Hr	ALL	1st	2012	YES
503925	4858200	17.0714	695.21	695.21	0	24-Hr	ALL	1st	2013	YES
503750	4858100	17.03969	688.79	688.79	0	24-Hr	ALL	1st	2013	YES
504125	4858150	17.02813	695.11	695.11	0	24-Hr	ALL	1st	2013	YES
504025	4857775	16.94889	693.31	693.31	0	24-Hr	ALL	1st	2014	YES
504311.8	4857844	16.97506	695.83	695.83	0	24-Hr	ALL	1st	2012	YES
504000	4858125	16.9645	695.08	695.08	0	24-Hr	ALL	1st	2013	YES
503725	4858175	16.86923	689.66	689.66	0	24-Hr	ALL	1st	2013	YES
504000	4857775	16.89654	693.53	693.53	0	24-Hr	ALL	1st	2015	YES
503750	4858175	16.78413	689.95	689.95	0	24-Hr	ALL	1st	2013	YES
504375	4857950	16.73923	695.69	695.69	0	24-Hr	ALL	1st	2015	YES
504050	4858125	16.72893	695.01	695.01	0	24-Hr	ALL	1st	2013	YES
504025	4857725	16.70562	694.75	694.75	0	24-Hr	ALL	1st	2013	YES
503775	4858175	16.62193	689.97	689.97	0	24-Hr	ALL	1st	2013	YES
504325	4857975	16.60237	694.59	694.59	0	24-Hr	ALL	1st	2015	YES
503700	4858175	16.58585	688.71	688.71	0	24-Hr	ALL	1st	2013	YES
503725	4858125	16.48847	688.8	688.8	0	24-Hr	ALL	1st	2013	YES
504150	4857725	16.47991	694.47	694.47	0	24-Hr	ALL	1st	2011	YES
503900	4858200	16.31387	694.01	694.01	0	24-Hr	ALL	1st	2014	YES
504250	4857725	16.25164	696.61	696.61	0	24-Hr	ALL	1st	2014	YES
503762.6	4858072	16.23076	689.11	689.11	0	24-Hr	ALL	1st	2013	YES
503700	4858150	16.15876	688.45	688.45	0	24-Hr	ALL	1st	2013	YES
504325	4857850	16.1564	695.84	695.84	0	24-Hr	ALL	1st	2012	YES
504375	4857875	16.15976	697.15	697.15	0	24-Hr	ALL	1st	2015	YES
504300	4857750	16.08156	697.48	697.48	0	24-Hr	ALL	1st	2014	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504150	4858125	16.07657	694.79	694.79	0	24-Hr	ALL	1st	2015	YES
504125	4857675	16.03432	694.83	694.83	0	24-Hr	ALL	1st	2014	YES
504400	4857900	16.0414	697.18	697.18	0	24-Hr	ALL	1st	2015	YES
504317.9	4857775	15.99492	697.87	697.87	0	24-Hr	ALL	1st	2013	YES
504100	4857725	15.91809	692.68	692.68	0	24-Hr	ALL	1st	2014	YES
504150	4857700	15.90731	693.07	693.07	0	24-Hr	ALL	1st	2011	YES
504050	4858150	15.8708	695.86	695.86	0	24-Hr	ALL	1st	2013	YES
504175	4858150	15.85748	695.07	695.07	0	24-Hr	ALL	1st	2014	YES
503950	4858200	15.84117	695.81	695.81	0	24-Hr	ALL	1st	2013	YES
504200	4858150	15.79933	695.45	695.45	0	24-Hr	ALL	1st	2014	YES
504314.7	4857795	15.74892	697.39	697.39	0	24-Hr	ALL	1st	2012	YES
504325	4857825	15.75066	696.35	696.35	0	24-Hr	ALL	1st	2012	YES
504225	4858150	15.71372	695.95	695.95	0	24-Hr	ALL	1st	2014	YES
504000	4858150	15.69	696	696	0	24-Hr	ALL	1st	2015	YES
504350	4857975	15.69749	694.95	694.95	0	24-Hr	ALL	1st	2015	YES
504325	4857800	15.70011	697.33	697.33	0	24-Hr	ALL	1st	2012	YES
504400	4857925	15.69687	696.6	696.6	0	24-Hr	ALL	1st	2015	YES
504025	4858150	15.69995	695.95	695.95	0	24-Hr	ALL	1st	2015	YES
504050	4857725	15.67887	694.46	694.46	0	24-Hr	ALL	1st	2014	YES
504175	4857750	15.68075	696.13	696.13	0	24-Hr	ALL	1st	2014	YES
504075	4858150	15.67387	695.74	695.74	0	24-Hr	ALL	1st	2013	YES
503700	4858200	15.65589	689.04	689.04	0	24-Hr	ALL	1st	2013	YES
504125	4858175	15.61314	695.65	695.65	0	24-Hr	ALL	1st	2013	YES
503675	4858200	15.59687	687.49	687.49	0	24-Hr	ALL	1st	2013	YES
503995.5	4857777	15.61638	693.51	693.51	0	24-Hr	ALL	1st	2015	YES
503675	4858175	15.55483	687.35	687.35	0	24-Hr	ALL	1st	2013	YES
504400	4857950	15.54793	696.26	696.26	0	24-Hr	ALL	1st	2015	YES
504050	4857700	15.51854	695.27	695.27	0	24-Hr	ALL	1st	2014	YES
504250	4858050	15.50123	695.14	695.14	0	24-Hr	ALL	1st	2013	YES
504025	4857750	15.45146	694.07	694.07	0	24-Hr	ALL	1st	2013	YES
504175	4857725	15.4687	695.49	695.49	0	24-Hr	ALL	1st	2011	YES
504325	4857775	15.43738	698	698	0	24-Hr	ALL	1st	2013	YES
504100	4858175	15.36933	695.84	695.84	0	24-Hr	ALL	1st	2013	YES
504375	4857975	15.37267	695.38	695.38	0	24-Hr	ALL	1st	2015	YES
504025	4857700	15.33566	695.34	695.34	0	24-Hr	ALL	1st	2013	YES
503725	4858200	15.25673	689.84	689.84	0	24-Hr	ALL	1st	2013	YES
503750	4858075	15.13513	688.95	688.95	0	24-Hr	ALL	1st	2013	YES
503800	4858300	15.07077	692.21	692.21	0	24-Hr	ALL	1st	2011	YES
504250	4858150	15.07383	696.56	696.56	0	24-Hr	ALL	1st	2014	YES
504300	4858025	15.03648	694.74	694.74	0	24-Hr	ALL	1st	2015	YES
504000	4858175	15.02367	696.21	696.21	0	24-Hr	ALL	1st	2015	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504400	4857975	15.00447	695.82	695.82	0	24-Hr	ALL	1st	2015	YES
504250	4858125	14.92428	696.59	696.59	0	24-Hr	ALL	1st	2014	YES
504325	4858000	14.91799	694.3	694.3	0	24-Hr	ALL	1st	2015	YES
503650	4858200	14.88447	686.01	686.01	0	24-Hr	ALL	1st	2013	YES
504150	4857675	14.8166	694.13	694.13	0	24-Hr	ALL	1st	2014	YES
503750	4858200	14.79427	690.29	690.29	0	24-Hr	ALL	1st	2013	YES
503725	4858100	14.77507	688.77	688.77	0	24-Hr	ALL	1st	2013	YES
504075	4857725	14.78925	693.4	693.4	0	24-Hr	ALL	1st	2014	YES
504300	4857725	14.77712	697.41	697.41	0	24-Hr	ALL	1st	2014	YES
503700	4858125	14.75516	688.68	688.68	0	24-Hr	ALL	1st	2013	YES
504050	4858175	14.7568	696.18	696.18	0	24-Hr	ALL	1st	2013	YES
503975	4858175	14.75721	696.11	696.11	0	24-Hr	ALL	1st	2013	YES
504150	4858150	14.71861	695	695	0	24-Hr	ALL	1st	2013	YES
504350	4857850	14.68249	696.35	696.35	0	24-Hr	ALL	1st	2013	YES
504075	4858175	14.6486	695.96	695.96	0	24-Hr	ALL	1st	2013	YES
504200	4858175	14.6053	695.39	695.39	0	24-Hr	ALL	1st	2014	YES
504300	4858050	14.61419	695.41	695.41	0	24-Hr	ALL	1st	2015	YES
504425	4857975	14.55686	696.21	696.21	0	24-Hr	ALL	1st	2015	YES
504025	4858175	14.52123	696.32	696.32	0	24-Hr	ALL	1st	2011	YES
504425	4857925	14.51686	697.28	697.28	0	24-Hr	ALL	1st	2015	YES
504425	4857950	14.50073	696.8	696.8	0	24-Hr	ALL	1st	2015	YES
504125	4858200	14.49462	695.89	695.89	0	24-Hr	ALL	1st	2013	YES
503675	4858150	14.47793	687.82	687.82	0	24-Hr	ALL	1st	2013	YES
504325	4857750	14.4663	698.7	698.7	0	24-Hr	ALL	1st	2014	YES
504250	4858075	14.46559	695.7	695.7	0	24-Hr	ALL	1st	2013	YES
503600	4858400	14.41085	687.38	690.04	0	24-Hr	ALL	1st	2013	YES
503975	4857750	14.41749	694.62	694.62	0	24-Hr	ALL	1st	2015	YES
504400	4857875	14.38077	697.86	697.86	0	24-Hr	ALL	1st	2015	YES
504250	4858175	14.32071	696.22	696.22	0	24-Hr	ALL	1st	2014	YES
504225	4858175	14.31394	695.81	695.81	0	24-Hr	ALL	1st	2014	YES
504425	4857900	14.33696	697.7	697.7	0	24-Hr	ALL	1st	2015	YES
504050	4857675	14.3007	696.02	696.02	0	24-Hr	ALL	1st	2014	YES
504000	4857750	14.31673	694.46	694.46	0	24-Hr	ALL	1st	2015	YES
504000	4858200	14.29564	696.17	696.17	0	24-Hr	ALL	1st	2015	YES
504350	4857800	14.26614	697.35	697.35	0	24-Hr	ALL	1st	2012	YES
504275	4857725	14.23584	696.85	696.85	0	24-Hr	ALL	1st	2015	YES
504350	4857750	14.22064	698.99	698.99	0	24-Hr	ALL	1st	2013	YES
504175	4857700	14.19779	694.87	694.87	0	24-Hr	ALL	1st	2011	YES
504225	4857725	14.17437	696.38	696.38	0	24-Hr	ALL	1st	2014	YES
504275	4858050	14.13287	695.32	695.32	0	24-Hr	ALL	1st	2015	YES
503739.5	4858077	14.1217	688.87	688.87	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504250	4858100	14.02607	696.16	696.16	0	24-Hr	ALL	1st	2013	YES
503650	4858175	13.98141	686.25	686.25	0	24-Hr	ALL	1st	2013	YES
504350	4857825	13.95431	696.79	696.79	0	24-Hr	ALL	1st	2013	YES
504100	4858200	13.8974	696.08	696.08	0	24-Hr	ALL	1st	2013	YES
504050	4858200	13.88826	696.37	696.37	0	24-Hr	ALL	1st	2013	YES
504325	4857725	13.87865	699.08	699.08	0	24-Hr	ALL	1st	2014	YES
504075	4858200	13.87013	696.28	696.28	0	24-Hr	ALL	1st	2013	YES
504150	4858175	13.69728	695.49	695.49	0	24-Hr	ALL	1st	2013	YES
504275	4857700	13.67822	697.25	697.25	0	24-Hr	ALL	1st	2014	YES
504175	4857675	13.52948	695.09	695.09	0	24-Hr	ALL	1st	2011	YES
504100	4857700	13.51847	693.98	693.98	0	24-Hr	ALL	1st	2014	YES
504025	4858200	13.50922	696.35	696.35	0	24-Hr	ALL	1st	2013	YES
504375	4857850	13.53519	697.5	697.5	0	24-Hr	ALL	1st	2013	YES
503900	4858300	13.51379	693.58	693.58	0	24-Hr	ALL	1st	2013	YES
504375	4857750	13.45452	699.06	699.06	0	24-Hr	ALL	1st	2013	YES
503625	4858200	13.43195	684.37	684.37	0	24-Hr	ALL	1st	2013	YES
504175	4858175	13.39443	695.24	695.24	0	24-Hr	ALL	1st	2015	YES
504200	4858200	13.32636	695.47	695.47	0	24-Hr	ALL	1st	2014	YES
503700	4858400	13.32881	690.38	690.38	0	24-Hr	ALL	1st	2013	YES
504250	4858200	13.31312	695.9	695.9	0	24-Hr	ALL	1st	2014	YES
504350	4857775	13.2809	698	698	0	24-Hr	ALL	1st	2013	YES
504275	4858075	13.26841	695.93	695.93	0	24-Hr	ALL	1st	2013	YES
503500	4858600	13.24683	691.15	691.15	0	24-Hr	ALL	1st	2013	YES
504225	4858200	13.23473	695.62	695.62	0	24-Hr	ALL	1st	2014	YES
503975	4857775	13.23681	694.33	694.33	0	24-Hr	ALL	1st	2011	YES
504350	4858000	13.23362	694.61	694.61	0	24-Hr	ALL	1st	2015	YES
504350	4857725	13.10376	699.86	699.86	0	24-Hr	ALL	1st	2014	YES
504200	4857675	13.04933	696.39	696.39	0	24-Hr	ALL	1st	2011	YES
504025	4857675	13.00012	695.76	695.76	0	24-Hr	ALL	1st	2013	YES
504375	4857800	12.87519	698.01	698.01	0	24-Hr	ALL	1st	2012	YES
504200	4857725	12.85829	695.95	695.95	0	24-Hr	ALL	1st	2014	YES
503720.6	4858074	12.8432	689	689	0	24-Hr	ALL	1st	2013	YES
504200	4857700	12.85969	695.72	695.72	0	24-Hr	ALL	1st	2011	YES
504425	4857875	12.88402	698.23	698.23	0	24-Hr	ALL	1st	2015	YES
503975	4858200	12.83978	696.04	696.04	0	24-Hr	ALL	1st	2013	YES
504075	4857700	12.81181	694.85	694.85	0	24-Hr	ALL	1st	2014	YES
503975	4857725	12.81139	695.18	695.18	0	24-Hr	ALL	1st	2015	YES
504150	4858200	12.7801	695.84	695.84	0	24-Hr	ALL	1st	2013	YES
503725	4858075	12.76834	688.91	688.91	0	24-Hr	ALL	1st	2013	YES
504275	4858200	12.73356	696.42	696.42	0	24-Hr	ALL	1st	2014	YES
503701.8	4858071	12.7209	689.71	689.71	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504400	4857850	12.68737	698.37	698.37	0	24-Hr	ALL	1st	2014	YES
504325	4858075	12.67257	696.07	696.07	0	24-Hr	ALL	1st	2015	YES
504275	4858175	12.65965	696.82	696.82	0	24-Hr	ALL	1st	2014	YES
503675	4858125	12.62953	688.88	688.88	0	24-Hr	ALL	1st	2013	YES
503700	4858075	12.60607	689.7	689.7	0	24-Hr	ALL	1st	2013	YES
504275	4858100	12.6008	696.45	696.45	0	24-Hr	ALL	1st	2013	YES
504000	4857675	12.57955	695.95	695.95	0	24-Hr	ALL	1st	2013	YES
504175	4858200	12.57165	695.56	695.56	0	24-Hr	ALL	1st	2015	YES
504325	4858025	12.57532	694.73	694.73	0	24-Hr	ALL	1st	2015	YES
503970.7	4857777	12.57022	694.45	694.45	0	24-Hr	ALL	1st	2011	YES
504375	4857825	12.55563	697.87	697.87	0	24-Hr	ALL	1st	2013	YES
503700	4858100	12.52223	689.13	689.13	0	24-Hr	ALL	1st	2013	YES
504325	4858050	12.50443	695.36	695.36	0	24-Hr	ALL	1st	2015	YES
503400	4858700	12.49313	689.45	689.45	0	24-Hr	ALL	1st	2013	YES
504300	4857700	12.46389	697.91	697.91	0	24-Hr	ALL	1st	2014	YES
503950	4857725	12.43767	695.46	695.46	0	24-Hr	ALL	1st	2015	YES
503650	4858150	12.39019	687.26	687.26	0	24-Hr	ALL	1st	2013	YES
504275	4858125	12.36983	696.9	696.9	0	24-Hr	ALL	1st	2013	YES
503800	4858400	12.34207	690.8	690.8	0	24-Hr	ALL	1st	2012	YES
504375	4857725	12.27728	700.53	700.53	0	24-Hr	ALL	1st	2014	YES
504375	4858000	12.25282	694.85	694.85	0	24-Hr	ALL	1st	2015	YES
503625	4858175	12.19185	685.41	685.41	0	24-Hr	ALL	1st	2013	YES
503683	4858068	12.166	690.35	690.35	0	24-Hr	ALL	1st	2013	YES
503500	4858500	12.12506	686.96	686.96	0	24-Hr	ALL	1st	2013	YES
504325	4857700	12.09904	699.22	699.22	0	24-Hr	ALL	1st	2015	YES
503600	4858200	12.07295	683.98	683.98	0	24-Hr	ALL	1st	2013	YES
504425	4857850	12.07438	698.71	698.71	0	24-Hr	ALL	1st	2014	YES
504400	4858000	12.06801	695.29	695.29	0	24-Hr	ALL	1st	2015	YES
503675	4858075	12.0162	690.22	690.22	0	24-Hr	ALL	1st	2013	YES
504425	4858000	11.98655	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
504250	4857700	11.94482	697.11	697.11	0	24-Hr	ALL	1st	2014	YES
504400	4857750	11.93542	699.63	699.63	0	24-Hr	ALL	1st	2013	YES
504500	4858000	11.92901	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
503500	4858300	11.91629	683.98	690.52	0	24-Hr	ALL	1st	2013	YES
504300	4858075	11.91925	696.06	696.06	0	24-Hr	ALL	1st	2013	YES
504275	4858150	11.882	697.05	697.05	0	24-Hr	ALL	1st	2013	YES
504350	4857700	11.87441	700.05	700.05	0	24-Hr	ALL	1st	2015	YES
504375	4857775	11.88035	697.86	697.86	0	24-Hr	ALL	1st	2012	YES
504400	4857725	11.83514	700.73	700.73	0	24-Hr	ALL	1st	2013	YES
504075	4857675	11.82932	695.94	695.94	0	24-Hr	ALL	1st	2012	YES
503945.9	4857777	11.80691	694.6	694.6	0	24-Hr	ALL	1st	2015	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504100	4857675	11.7687	695.38	695.38	0	24-Hr	ALL	1st	2014	YES
504300	4858100	11.73416	696.65	696.65	0	24-Hr	ALL	1st	2013	YES
503600	4858500	11.673	683.17	690.26	0	24-Hr	ALL	1st	2013	YES
504000	4857700	11.67495	695.53	695.53	0	24-Hr	ALL	1st	2013	YES
503950	4857775	11.64486	694.61	694.61	0	24-Hr	ALL	1st	2015	YES
504000	4858300	11.59255	695.17	695.17	0	24-Hr	ALL	1st	2011	YES
504350	4858025	11.577	694.64	694.64	0	24-Hr	ALL	1st	2015	YES
503300	4858800	11.55784	689.78	689.78	0	24-Hr	ALL	1st	2013	YES
504200	4857600	11.55381	695.86	695.86	0	24-Hr	ALL	1st	2011	YES
503950	4857700	11.52057	695.89	695.89	0	24-Hr	ALL	1st	2015	YES
504425	4857725	11.49194	701.02	701.02	0	24-Hr	ALL	1st	2013	YES
504300	4857675	11.43955	698.35	698.35	0	24-Hr	ALL	1st	2014	YES
503675	4858100	11.3396	689.78	689.78	0	24-Hr	ALL	1st	2013	YES
504400	4857800	11.34317	699.11	699.11	0	24-Hr	ALL	1st	2012	YES
504300	4858125	11.26462	697.21	697.21	0	24-Hr	ALL	1st	2013	YES
504375	4857700	11.25399	700.75	700.75	0	24-Hr	ALL	1st	2014	YES
504325	4857675	11.25025	698.89	698.89	0	24-Hr	ALL	1st	2014	YES
504350	4858100	11.24494	696.8	696.8	0	24-Hr	ALL	1st	2015	YES
503925	4857775	11.21503	694.81	694.81	0	24-Hr	ALL	1st	2015	YES
503664.2	4858065	11.1982	690.29	690.29	0	24-Hr	ALL	1st	2013	YES
504400	4857825	11.1995	698.88	698.88	0	24-Hr	ALL	1st	2014	YES
504100	4858300	11.13477	696.89	696.89	0	24-Hr	ALL	1st	2013	YES
504350	4858075	11.09983	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504300	4858150	11.09057	697.45	697.45	0	24-Hr	ALL	1st	2013	YES
504400	4857700	11.07092	701.09	701.09	0	24-Hr	ALL	1st	2014	YES
503600	4858300	11.07071	688.34	689.69	0	24-Hr	ALL	1st	2013	YES
503950	4857750	11.06226	695.08	695.08	0	24-Hr	ALL	1st	2011	YES
503650	4858075	11.04657	689.77	689.77	0	24-Hr	ALL	1st	2013	YES
503921.1	4857777	11.02778	694.81	694.81	0	24-Hr	ALL	1st	2015	YES
503650	4858100	10.95079	689.51	689.51	0	24-Hr	ALL	1st	2013	YES
504500	4857900	10.93448	700.12	700.12	0	24-Hr	ALL	1st	2012	YES
503200	4858900	10.86253	692.31	692.31	0	24-Hr	ALL	1st	2013	YES
503575	4858200	10.83038	684.89	684.89	0	24-Hr	ALL	1st	2013	YES
504425	4857700	10.83543	701.48	701.48	0	24-Hr	ALL	1st	2014	YES
503925	4857700	10.81189	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
504225	4857700	10.78561	696.42	696.42	0	24-Hr	ALL	1st	2014	YES
504300	4858175	10.71194	697.34	697.34	0	24-Hr	ALL	1st	2013	YES
504400	4857775	10.69204	699.21	699.21	0	24-Hr	ALL	1st	2012	YES
503650	4858125	10.64331	688.7	688.7	0	24-Hr	ALL	1st	2013	YES
504000	4858400	10.6357	692.27	692.27	0	24-Hr	ALL	1st	2011	YES
504000	4857725	10.62279	694.99	694.99	0	24-Hr	ALL	1st	2015	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504375	4857675	10.61328	700.78	700.78	0	24-Hr	ALL	1st	2015	YES
503600	4858175	10.58557	685.45	685.45	0	24-Hr	ALL	1st	2013	YES
504325	4858100	10.5453	696.78	696.78	0	24-Hr	ALL	1st	2015	YES
504325	4858125	10.53393	697.45	697.45	0	24-Hr	ALL	1st	2013	YES
503625	4858150	10.52063	687.01	687.01	0	24-Hr	ALL	1st	2013	YES
504425	4857825	10.53372	699.42	699.42	0	24-Hr	ALL	1st	2014	YES
503625	4858100	10.51238	688.79	688.79	0	24-Hr	ALL	1st	2013	YES
504425	4857750	10.40476	700.41	700.41	0	24-Hr	ALL	1st	2013	YES
504275	4857675	10.40862	697.87	697.87	0	24-Hr	ALL	1st	2014	YES
504350	4858050	10.3885	695.26	695.26	0	24-Hr	ALL	1st	2013	YES
503900	4858400	10.36795	691.05	691.05	0	24-Hr	ALL	1st	2013	YES
503925	4857675	10.3607	696.24	696.24	0	24-Hr	ALL	1st	2015	YES
504300	4858200	10.35996	697.09	697.09	0	24-Hr	ALL	1st	2014	YES
504350	4857675	10.30415	700.08	700.08	0	24-Hr	ALL	1st	2015	YES
504425	4858025	10.28833	695.29	695.29	0	24-Hr	ALL	1st	2013	YES
504325	4858150	10.26359	697.81	697.81	0	24-Hr	ALL	1st	2013	YES
503625	4858075	10.2318	689.19	689.19	0	24-Hr	ALL	1st	2013	YES
503600	4858100	10.2339	689.01	689.01	0	24-Hr	ALL	1st	2013	YES
504400	4857675	10.16687	701.32	701.32	0	24-Hr	ALL	1st	2015	YES
504375	4858025	10.167	694.7	694.7	0	24-Hr	ALL	1st	2015	YES
504375	4858100	10.15126	696.71	696.71	0	24-Hr	ALL	1st	2015	YES
504375	4858125	10.1469	697.59	697.59	0	24-Hr	ALL	1st	2015	YES
504325	4858175	10.13992	697.9	697.9	0	24-Hr	ALL	1st	2013	YES
504400	4858025	10.13262	694.94	694.94	0	24-Hr	ALL	1st	2013	YES
504425	4857800	10.07324	700.02	700.02	0	24-Hr	ALL	1st	2012	YES
503665	4858041	10.01701	690.57	690.57	0	24-Hr	ALL	1st	2013	YES
504375	4858050	10.03225	695.01	695.01	0	24-Hr	ALL	1st	2014	YES
503575	4858100	9.99957	689.81	689.81	0	24-Hr	ALL	1st	2013	YES
504100	4858400	9.99253	694.02	694.02	0	24-Hr	ALL	1st	2013	YES
504600	4858000	9.94249	701.76	701.76	0	24-Hr	ALL	1st	2015	YES
503700	4858500	9.91939	684.79	684.79	0	24-Hr	ALL	1st	2011	YES
503700	4858600	9.91805	690.05	690.05	0	24-Hr	ALL	1st	2012	YES
504425	4857675	9.89004	701.72	701.72	0	24-Hr	ALL	1st	2014	YES
503650	4858050	9.85566	689.78	689.78	0	24-Hr	ALL	1st	2013	YES
504225	4857675	9.872	697.09	697.09	0	24-Hr	ALL	1st	2011	YES
504300	4858300	9.84926	698.65	698.65	0	24-Hr	ALL	1st	2014	YES
503100	4859000	9.7978	692.21	692.21	0	24-Hr	ALL	1st	2013	YES
503400	4858400	9.80212	683.63	690.43	0	24-Hr	ALL	1st	2013	YES
504200	4858300	9.78656	696.38	696.38	0	24-Hr	ALL	1st	2015	YES
504325	4858200	9.76195	697.77	697.77	0	24-Hr	ALL	1st	2013	YES
504425	4857775	9.76535	700.03	700.03	0	24-Hr	ALL	1st	2012	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503550	4858125	9.70223	690.08	690.08	0	24-Hr	ALL	1st	2013	YES
503600	4858075	9.67136	689.63	689.63	0	24-Hr	ALL	1st	2013	YES
503925	4857750	9.6931	695.26	695.26	0	24-Hr	ALL	1st	2015	YES
503600	4858600	9.6585	690.09	690.09	0	24-Hr	ALL	1st	2011	YES
504000	4857600	9.66805	696.98	696.98	0	24-Hr	ALL	1st	2013	YES
503900	4857675	9.66289	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
503400	4858600	9.63049	683.47	691.45	0	24-Hr	ALL	1st	2013	YES
503550	4858100	9.60484	690.49	690.49	0	24-Hr	ALL	1st	2013	YES
503575	4858125	9.60193	689.25	689.25	0	24-Hr	ALL	1st	2013	YES
504200	4858400	9.592	693.7	693.7	0	24-Hr	ALL	1st	2013	YES
503975	4857700	9.58657	695.67	695.67	0	24-Hr	ALL	1st	2015	YES
503925	4857725	9.58317	695.63	695.63	0	24-Hr	ALL	1st	2015	YES
504350	4858150	9.56007	698.16	698.16	0	24-Hr	ALL	1st	2013	YES
503300	4858700	9.45962	688.8	689.64	0	24-Hr	ALL	1st	2013	YES
504350	4858125	9.41552	697.58	697.58	0	24-Hr	ALL	1st	2015	YES
504350	4858175	9.41208	698.46	698.46	0	24-Hr	ALL	1st	2013	YES
504400	4858125	9.39823	697.53	697.53	0	24-Hr	ALL	1st	2015	YES
504375	4858075	9.38766	695.83	695.83	0	24-Hr	ALL	1st	2013	YES
503625	4858125	9.34869	688.07	688.07	0	24-Hr	ALL	1st	2013	YES
503600	4858125	9.33823	688.28	688.28	0	24-Hr	ALL	1st	2013	YES
504400	4858050	9.32006	695.03	695.03	0	24-Hr	ALL	1st	2014	YES
503550	4858200	9.2753	686.39	690.12	0	24-Hr	ALL	1st	2013	YES
504350	4858200	9.26967	698.61	698.61	0	24-Hr	ALL	1st	2013	YES
504250	4857675	9.26293	697.6	697.6	0	24-Hr	ALL	1st	2014	YES
503900	4857750	9.26262	695.42	695.42	0	24-Hr	ALL	1st	2015	YES
503800	4858500	9.24435	685.7	690.27	0	24-Hr	ALL	1st	2013	YES
504200	4857500	9.21505	700.44	701.55	0	24-Hr	ALL	1st	2014	YES
503575	4858075	9.16638	690.21	690.21	0	24-Hr	ALL	1st	2013	YES
504400	4858150	9.17437	698.45	698.45	0	24-Hr	ALL	1st	2015	YES
504100	4857600	9.16639	697.42	697.42	0	24-Hr	ALL	1st	2011	YES
503900	4857775	9.17148	694.98	694.98	0	24-Hr	ALL	1st	2015	YES
503625	4858050	9.09874	689.62	689.62	0	24-Hr	ALL	1st	2013	YES
504500	4857700	9.10691	703.89	703.89	0	24-Hr	ALL	1st	2013	YES
503950	4857675	9.01428	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
503575	4858175	8.9875	686.51	686.51	0	24-Hr	ALL	1st	2013	YES
503000	4859100	8.94847	692.3	692.3	0	24-Hr	ALL	1st	2013	YES
504400	4858075	8.88192	695.63	695.63	0	24-Hr	ALL	1st	2014	YES
504425	4858075	8.8776	695.55	695.55	0	24-Hr	ALL	1st	2014	YES
503600	4858150	8.81487	687.14	687.14	0	24-Hr	ALL	1st	2013	YES
504100	4858500	8.80103	688.72	688.72	0	24-Hr	ALL	1st	2013	YES
503665.7	4858017	8.76096	690.77	690.77	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504375	4858175	8.75369	698.89	698.89	0	24-Hr	ALL	1st	2013	YES
503550	4858075	8.68253	690.85	690.85	0	24-Hr	ALL	1st	2013	YES
504100	4858600	8.69831	692.32	692.32	0	24-Hr	ALL	1st	2013	YES
503900	4857700	8.69552	696.1	696.1	0	24-Hr	ALL	1st	2015	YES
503500	4858100	8.64843	691.85	691.85	0	24-Hr	ALL	1st	2013	YES
504425	4858150	8.66395	698.43	698.43	0	24-Hr	ALL	1st	2015	YES
503200	4858800	8.63775	690.63	690.63	0	24-Hr	ALL	1st	2013	YES
503975	4857675	8.64849	696.04	696.04	0	24-Hr	ALL	1st	2015	YES
504600	4857900	8.63143	703.73	703.73	0	24-Hr	ALL	1st	2012	YES
504375	4858200	8.63211	699.36	699.36	0	24-Hr	ALL	1st	2013	YES
503896.3	4857777	8.6218	694.97	694.97	0	24-Hr	ALL	1st	2015	YES
503400	4858300	8.57249	690.68	690.68	0	24-Hr	ALL	1st	2013	YES
503600	4858700	8.55338	690.9	690.9	0	24-Hr	ALL	1st	2012	YES
503600	4858050	8.52372	689.97	689.97	0	24-Hr	ALL	1st	2013	YES
504375	4858150	8.53217	698.4	698.4	0	24-Hr	ALL	1st	2015	YES
503900	4857725	8.51404	695.8	695.8	0	24-Hr	ALL	1st	2015	YES
503700	4858700	8.44972	692.1	692.1	0	24-Hr	ALL	1st	2014	YES
503550	4858150	8.42325	689.54	689.54	0	24-Hr	ALL	1st	2013	YES
504425	4858050	8.41433	695.13	695.13	0	24-Hr	ALL	1st	2013	YES
504200	4858500	8.39606	689.46	689.46	0	24-Hr	ALL	1st	2013	YES
504400	4858100	8.39895	696.48	696.48	0	24-Hr	ALL	1st	2013	YES
503100	4859100	8.34541	693.27	693.27	0	24-Hr	ALL	1st	2013	YES
504700	4858000	8.32153	704.31	704.31	0	24-Hr	ALL	1st	2015	YES
503650	4858025	8.29596	689.9	689.9	0	24-Hr	ALL	1st	2013	YES
504425	4858175	8.29564	699.44	699.44	0	24-Hr	ALL	1st	2015	YES
503600	4858800	8.25211	694.09	694.09	0	24-Hr	ALL	1st	2014	YES
503875	4857675	8.24949	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504000	4858500	8.22168	687.5	687.5	0	24-Hr	ALL	1st	2011	YES
503875	4857775	8.2004	695.02	695.02	0	24-Hr	ALL	1st	2011	YES
503550	4858175	8.18778	688.28	689.03	0	24-Hr	ALL	1st	2011	YES
503575	4858150	8.11476	688.08	688.08	0	24-Hr	ALL	1st	2011	YES
503871.5	4857777	8.10463	694.97	694.97	0	24-Hr	ALL	1st	2011	YES
503200	4859000	8.08679	694.2	694.2	0	24-Hr	ALL	1st	2013	YES
503300	4858400	8.03107	683.56	691.2	0	24-Hr	ALL	1st	2013	YES
503875	4857700	8.0138	696.08	696.08	0	24-Hr	ALL	1st	2011	YES
504400	4858200	8.00033	699.94	699.94	0	24-Hr	ALL	1st	2013	YES
503500	4858200	7.9731	690.42	690.42	0	24-Hr	ALL	1st	2011	YES
504100	4858700	7.97423	690.74	697.23	0	24-Hr	ALL	1st	2013	YES
503800	4858600	7.91466	689.38	689.78	0	24-Hr	ALL	1st	2013	YES
503875	4857750	7.87261	695.51	695.51	0	24-Hr	ALL	1st	2015	YES
503575	4858050	7.84096	690.58	690.58	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503800	4858700	7.81764	692.21	692.21	0	24-Hr	ALL	1st	2013	YES
503500	4858700	7.81347	687.22	689.49	0	24-Hr	ALL	1st	2013	YES
504425	4858125	7.81203	697.37	697.37	0	24-Hr	ALL	1st	2015	YES
504400	4857600	7.79988	702.01	702.01	0	24-Hr	ALL	1st	2014	YES
504000	4857500	7.77382	698.32	698.32	0	24-Hr	ALL	1st	2014	YES
503900	4858700	7.77049	692.1	692.1	0	24-Hr	ALL	1st	2011	YES
503300	4858900	7.75973	692.62	692.62	0	24-Hr	ALL	1st	2013	YES
504400	4858175	7.75943	699.21	699.21	0	24-Hr	ALL	1st	2015	YES
504425	4858100	7.7653	696.33	696.33	0	24-Hr	ALL	1st	2014	YES
503900	4858800	7.7269	694.76	694.76	0	24-Hr	ALL	1st	2011	YES
503875	4857725	7.72329	695.9	695.9	0	24-Hr	ALL	1st	2015	YES
503300	4858200	7.70949	691.47	691.47	0	24-Hr	ALL	1st	2013	YES
503625	4858025	7.66994	689.91	689.91	0	24-Hr	ALL	1st	2013	YES
504400	4858500	7.64134	694.92	694.92	0	24-Hr	ALL	1st	2015	YES
503500	4858400	7.62641	681.51	681.51	0	24-Hr	ALL	1st	2011	YES
504500	4857800	7.63991	702.37	702.37	0	24-Hr	ALL	1st	2012	YES
503850	4857675	7.63027	695.99	695.99	0	24-Hr	ALL	1st	2011	YES
503500	4858800	7.61634	689.01	689.01	0	24-Hr	ALL	1st	2011	YES
503100	4858900	7.60837	690.04	690.04	0	24-Hr	ALL	1st	2013	YES
503200	4858500	7.60697	684.36	691.61	0	24-Hr	ALL	1st	2013	YES
503900	4858500	7.57972	686.29	691.81	0	24-Hr	ALL	1st	2013	YES
504300	4858400	7.53511	696.6	696.6	0	24-Hr	ALL	1st	2015	YES
503400	4858800	7.52637	691.9	691.9	0	24-Hr	ALL	1st	2013	YES
503850	4857750	7.47957	695.41	695.41	0	24-Hr	ALL	1st	2011	YES
503846.7	4857777	7.49083	694.81	694.81	0	24-Hr	ALL	1st	2013	YES
503400	4858500	7.47729	685.25	685.25	0	24-Hr	ALL	1st	2011	YES
503850	4857775	7.465	694.86	694.86	0	24-Hr	ALL	1st	2011	YES
504500	4857600	7.4773	705.69	705.69	0	24-Hr	ALL	1st	2015	YES
503500	4858900	7.42766	689.56	696.67	0	24-Hr	ALL	1st	2012	YES
503666.4	4857993	7.41315	691.26	691.26	0	24-Hr	ALL	1st	2013	YES
504000	4858600	7.39372	688.74	688.74	0	24-Hr	ALL	1st	2015	YES
503550	4858050	7.37172	691.24	691.24	0	24-Hr	ALL	1st	2013	YES
503825	4857675	7.37773	696.03	696.03	0	24-Hr	ALL	1st	2011	YES
503850	4857700	7.37086	696.15	696.15	0	24-Hr	ALL	1st	2011	YES
503900	4858600	7.35394	689.32	689.67	0	24-Hr	ALL	1st	2011	YES
504100	4858800	7.35989	693.98	693.98	0	24-Hr	ALL	1st	2013	YES
504200	4858600	7.31308	696.54	696.54	0	24-Hr	ALL	1st	2012	YES
504700	4858100	7.28982	700.66	700.66	0	24-Hr	ALL	1st	2013	YES
503650	4858000	7.27704	690.63	690.63	0	24-Hr	ALL	1st	2013	YES
503200	4858700	7.26045	690.6	690.6	0	24-Hr	ALL	1st	2011	YES
503400	4858200	7.23454	691.2	691.2	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503600	4858025	7.22201	690.42	690.42	0	24-Hr	ALL	1st	2013	YES
503200	4858200	7.20308	691.82	691.82	0	24-Hr	ALL	1st	2013	YES
503825	4857750	7.14347	695.18	695.18	0	24-Hr	ALL	1st	2011	YES
503800	4857600	7.14805	695.48	695.48	0	24-Hr	ALL	1st	2015	YES
504000	4858700	7.13681	691.41	691.41	0	24-Hr	ALL	1st	2015	YES
504500	4858100	7.13146	696.08	696.08	0	24-Hr	ALL	1st	2014	YES
503600	4858900	7.12055	696.08	696.08	0	24-Hr	ALL	1st	2014	YES
504400	4858400	7.10703	700.22	700.22	0	24-Hr	ALL	1st	2014	YES
503800	4857725	7.08186	695.13	695.13	0	24-Hr	ALL	1st	2011	YES
504300	4857400	7.09764	702.44	702.44	0	24-Hr	ALL	1st	2011	YES
504000	4857400	7.08787	701.52	701.52	0	24-Hr	ALL	1st	2014	YES
503825	4857725	7.0603	695.71	695.71	0	24-Hr	ALL	1st	2011	YES
503850	4857725	7.06338	695.95	695.95	0	24-Hr	ALL	1st	2011	YES
503000	4859000	7.05715	692.11	692.11	0	24-Hr	ALL	1st	2013	YES
504425	4858200	7.05798	700.3	700.3	0	24-Hr	ALL	1st	2015	YES
503500	4859000	7.03698	689.73	696.88	0	24-Hr	ALL	1st	2014	YES
503900	4857400	7.04426	700.95	700.95	0	24-Hr	ALL	1st	2013	YES
504300	4857500	7.02295	702.02	702.02	0	24-Hr	ALL	1st	2011	YES
503800	4857675	7.00199	695.19	695.19	0	24-Hr	ALL	1st	2011	YES
503825	4857700	6.981	696.1	696.1	0	24-Hr	ALL	1st	2011	YES
503668.7	4857921	6.97699	692.74	692.74	0	24-Hr	ALL	1st	2011	YES
503825	4857775	6.98219	694.68	694.68	0	24-Hr	ALL	1st	2013	YES
503000	4858700	6.9409	690.07	690.07	0	24-Hr	ALL	1st	2012	YES
504600	4858100	6.93739	697.67	697.67	0	24-Hr	ALL	1st	2013	YES
503900	4857600	6.94323	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
503775	4857700	6.92586	694.48	694.48	0	24-Hr	ALL	1st	2011	YES
503300	4858500	6.91313	679.48	690.82	0	24-Hr	ALL	1st	2013	YES
503700	4858800	6.90369	694.6	694.6	0	24-Hr	ALL	1st	2013	YES
503821.9	4857777	6.90864	694.63	694.63	0	24-Hr	ALL	1st	2013	YES
503800	4857700	6.86862	695.42	695.42	0	24-Hr	ALL	1st	2011	YES
503900	4858900	6.86674	696.42	696.42	0	24-Hr	ALL	1st	2011	YES
504700	4857900	6.86136	706.86	706.86	0	24-Hr	ALL	1st	2012	YES
503650	4857875	6.83414	692.35	692.35	0	24-Hr	ALL	1st	2013	YES
503300	4858600	6.83018	684.79	690.73	0	24-Hr	ALL	1st	2011	YES
503625	4858000	6.81681	690.6	690.6	0	24-Hr	ALL	1st	2013	YES
503575	4858025	6.81326	691	691	0	24-Hr	ALL	1st	2013	YES
504200	4857400	6.8101	701.96	701.96	0	24-Hr	ALL	1st	2014	YES
503625	4857875	6.79539	691.21	691.21	0	24-Hr	ALL	1st	2013	YES
504400	4858300	6.77853	701.53	701.53	0	24-Hr	ALL	1st	2013	YES
504100	4857500	6.77324	699.94	699.94	0	24-Hr	ALL	1st	2011	YES
503670.1	4857873	6.76038	692.87	692.87	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503650	4857925	6.76428	692.83	692.83	0	24-Hr	ALL	1st	2011	YES
503775	4857675	6.74929	694.32	694.32	0	24-Hr	ALL	1st	2011	YES
503670.9	4857850	6.73747	692.43	692.43	0	24-Hr	ALL	1st	2013	YES
504800	4858000	6.73929	707.3	707.3	0	24-Hr	ALL	1st	2015	YES
503750	4857675	6.72148	694.18	694.18	0	24-Hr	ALL	1st	2011	YES
504600	4857600	6.72438	710.54	726.25	0	24-Hr	ALL	1st	2014	YES
503400	4858100	6.70533	692.54	692.54	0	24-Hr	ALL	1st	2013	YES
504100	4858900	6.6991	696.71	696.71	0	24-Hr	ALL	1st	2013	YES
503667.9	4857945	6.67967	692.42	692.42	0	24-Hr	ALL	1st	2011	YES
504600	4857800	6.68198	704.3	704.3	0	24-Hr	ALL	1st	2014	YES
503600	4857875	6.65235	691.37	691.37	0	24-Hr	ALL	1st	2013	YES
503650	4857825	6.64028	691.8	691.8	0	24-Hr	ALL	1st	2013	YES
503671.6	4857826	6.60901	692.33	692.33	0	24-Hr	ALL	1st	2013	YES
504300	4858500	6.59954	695.97	695.97	0	24-Hr	ALL	1st	2015	YES
503625	4857825	6.57343	691.62	691.62	0	24-Hr	ALL	1st	2013	YES
504300	4858600	6.56583	694.86	694.86	0	24-Hr	ALL	1st	2015	YES
503625	4857925	6.5595	692.3	692.3	0	24-Hr	ALL	1st	2011	YES
503400	4859100	6.5485	696.56	696.56	0	24-Hr	ALL	1st	2012	YES
503400	4858900	6.54165	696.3	696.3	0	24-Hr	ALL	1st	2011	YES
503700	4857600	6.54098	695.17	695.17	0	24-Hr	ALL	1st	2011	YES
503900	4857500	6.53304	698.3	698.3	0	24-Hr	ALL	1st	2013	YES
503667.2	4857969	6.50896	691.82	691.82	0	24-Hr	ALL	1st	2011	YES
503100	4858800	6.51344	688.45	688.45	0	24-Hr	ALL	1st	2011	YES
504500	4858200	6.51653	700.77	700.77	0	24-Hr	ALL	1st	2015	YES
503669.4	4857897	6.49	692.88	692.88	0	24-Hr	ALL	1st	2013	YES
504200	4858700	6.46308	695.96	695.96	0	24-Hr	ALL	1st	2012	YES
503650	4857850	6.45203	691.55	691.55	0	24-Hr	ALL	1st	2013	YES
504300	4857600	6.45049	699.72	699.72	0	24-Hr	ALL	1st	2013	YES
503200	4858400	6.4337	691.4	691.4	0	24-Hr	ALL	1st	2012	YES
503575	4857875	6.42704	692.18	692.18	0	24-Hr	ALL	1st	2013	YES
504000	4858800	6.41994	694.4	694.4	0	24-Hr	ALL	1st	2015	YES
503600	4857825	6.40326	691.82	691.82	0	24-Hr	ALL	1st	2013	YES
503550	4858025	6.3972	691.58	691.58	0	24-Hr	ALL	1st	2013	YES
503775	4857725	6.38233	694.47	694.47	0	24-Hr	ALL	1st	2011	YES
503600	4858000	6.37637	691.12	691.12	0	24-Hr	ALL	1st	2013	YES
502900	4859100	6.36575	691.06	691.06	0	24-Hr	ALL	1st	2013	YES
503750	4857700	6.35281	694.18	694.18	0	24-Hr	ALL	1st	2011	YES
503725	4857675	6.33432	694.29	694.29	0	24-Hr	ALL	1st	2011	YES
503000	4858300	6.33858	690.93	690.93	0	24-Hr	ALL	1st	2013	YES
503800	4858800	6.33391	694.69	694.69	0	24-Hr	ALL	1st	2013	YES
503600	4857925	6.32372	692.28	692.28	0	24-Hr	ALL	1st	2011	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503650	4857950	6.31489	692.48	692.48	0	24-Hr	ALL	1st	2011	YES
503650	4857900	6.31032	692.71	692.71	0	24-Hr	ALL	1st	2011	YES
503000	4858900	6.28387	691.46	691.46	0	24-Hr	ALL	1st	2011	YES
503100	4858500	6.28338	690.54	690.54	0	24-Hr	ALL	1st	2013	YES
503300	4859000	6.2746	695.97	695.97	0	24-Hr	ALL	1st	2013	YES
504300	4858800	6.26282	695.79	695.79	0	24-Hr	ALL	1st	2013	YES
502900	4858700	6.25236	689.2	690.07	0	24-Hr	ALL	1st	2012	YES
503625	4857800	6.23623	692.33	692.33	0	24-Hr	ALL	1st	2013	YES
503800	4857750	6.235	694.76	694.76	0	24-Hr	ALL	1st	2011	YES
504000	4857300	6.22905	702.37	702.37	0	24-Hr	ALL	1st	2011	YES
503500	4859100	6.20846	696.79	696.79	0	24-Hr	ALL	1st	2014	YES
503575	4857825	6.20273	692.08	692.08	0	24-Hr	ALL	1st	2013	YES
502900	4858800	6.2027	691.01	691.01	0	24-Hr	ALL	1st	2012	YES
503625	4857900	6.20173	691.16	691.16	0	24-Hr	ALL	1st	2011	YES
503100	4858600	6.1904	677.56	691.59	0	24-Hr	ALL	1st	2012	YES
503800	4857775	6.20445	694.49	694.49	0	24-Hr	ALL	1st	2013	YES
503550	4857875	6.19023	692.51	692.51	0	24-Hr	ALL	1st	2013	YES
504300	4858700	6.19246	696.13	696.13	0	24-Hr	ALL	1st	2013	YES
503575	4857800	6.16751	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
503750	4857775	6.1799	693.62	693.62	0	24-Hr	ALL	1st	2015	YES
503747.5	4857777	6.17721	693.55	693.55	0	24-Hr	ALL	1st	2015	YES
503300	4858300	6.16155	690.18	690.18	0	24-Hr	ALL	1st	2011	YES
503400	4859000	6.15607	696.46	696.46	0	24-Hr	ALL	1st	2011	YES
504400	4858600	6.15831	695.64	695.64	0	24-Hr	ALL	1st	2015	YES
504100	4859000	6.15756	697.97	697.97	0	24-Hr	ALL	1st	2013	YES
503550	4857800	6.13547	692.41	692.41	0	24-Hr	ALL	1st	2013	YES
503650	4857975	6.13258	691.4	691.4	0	24-Hr	ALL	1st	2011	YES
503600	4857800	6.12375	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
502800	4858800	6.12711	690.87	690.87	0	24-Hr	ALL	1st	2012	YES
503672.4	4857802	6.12418	692.68	692.68	0	24-Hr	ALL	1st	2013	YES
503600	4859000	6.11868	692.67	696.28	0	24-Hr	ALL	1st	2013	YES
504500	4858600	6.11706	697.3	697.3	0	24-Hr	ALL	1st	2014	YES
503600	4857500	6.11237	695.79	695.79	0	24-Hr	ALL	1st	2011	YES
504600	4857700	6.11082	707.54	707.54	0	24-Hr	ALL	1st	2013	YES
503772.3	4857777	6.11705	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
502900	4858300	6.09472	691.19	691.19	0	24-Hr	ALL	1st	2013	YES
503797.1	4857777	6.11488	694.43	694.43	0	24-Hr	ALL	1st	2013	YES
503650	4857800	6.08507	692.48	692.48	0	24-Hr	ALL	1st	2013	YES
504800	4858100	6.09285	704.13	704.13	0	24-Hr	ALL	1st	2013	YES
503575	4858000	6.07878	691.61	691.61	0	24-Hr	ALL	1st	2013	YES
503575	4857925	6.07978	692.47	692.47	0	24-Hr	ALL	1st	2011	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503700	4857750	6.08631	693.73	693.73	0	24-Hr	ALL	1st	2015	YES
503700	4857500	6.0749	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
503550	4857850	6.04816	692.48	692.48	0	24-Hr	ALL	1st	2013	YES
503775	4857775	6.06255	694.12	694.12	0	24-Hr	ALL	1st	2015	YES
503725	4857750	6.06252	693.78	693.78	0	24-Hr	ALL	1st	2015	YES
503625	4857850	6.0314	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
503722.7	4857778	6.03824	693.28	693.28	0	24-Hr	ALL	1st	2015	YES
503575	4857850	6.02908	692.04	692.04	0	24-Hr	ALL	1st	2013	YES
503725	4857775	6.03302	693.4	693.4	0	24-Hr	ALL	1st	2015	YES
504500	4858700	6.02293	700.42	700.42	0	24-Hr	ALL	1st	2015	YES
503200	4859100	6.01528	694.61	694.61	0	24-Hr	ALL	1st	2013	YES
503700	4859000	6.00517	694.86	694.86	0	24-Hr	ALL	1st	2013	YES
504200	4858800	5.99003	693.51	693.51	0	24-Hr	ALL	1st	2013	YES
503700	4858900	5.98211	696.1	696.1	0	24-Hr	ALL	1st	2013	YES
503625	4857950	5.9692	692.61	692.61	0	24-Hr	ALL	1st	2011	YES
503650	4857725	5.95067	693.88	693.88	0	24-Hr	ALL	1st	2015	YES
504500	4858300	5.93569	703.53	703.53	0	24-Hr	ALL	1st	2013	YES
503600	4857850	5.91791	691.54	691.54	0	24-Hr	ALL	1st	2013	YES
503600	4857900	5.91852	691.54	691.54	0	24-Hr	ALL	1st	2011	YES
503675	4857725	5.92117	693.99	693.99	0	24-Hr	ALL	1st	2015	YES
503550	4857825	5.90066	692.37	692.37	0	24-Hr	ALL	1st	2013	YES
503200	4858600	5.89745	681.34	690.28	0	24-Hr	ALL	1st	2012	YES
503500	4857800	5.87357	692.43	692.43	0	24-Hr	ALL	1st	2013	YES
503550	4857925	5.86934	692.43	692.43	0	24-Hr	ALL	1st	2011	YES
503675	4857750	5.86538	693.58	693.58	0	24-Hr	ALL	1st	2015	YES
502700	4858900	5.83913	691.66	691.66	0	24-Hr	ALL	1st	2012	YES
503697.9	4857778	5.80855	693.26	693.26	0	24-Hr	ALL	1st	2013	YES
503800	4857500	5.81821	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
503900	4859000	5.81502	697.26	697.26	0	24-Hr	ALL	1st	2011	YES
503200	4858300	5.80028	691.56	691.56	0	24-Hr	ALL	1st	2012	YES
503700	4857775	5.79058	693.3	693.3	0	24-Hr	ALL	1st	2013	YES
503625	4857975	5.78835	691.49	691.49	0	24-Hr	ALL	1st	2011	YES
504000	4858900	5.79051	696.22	696.22	0	24-Hr	ALL	1st	2015	YES
503750	4857750	5.80483	694.03	694.03	0	24-Hr	ALL	1st	2015	YES
503550	4857775	5.77766	692.66	692.66	0	24-Hr	ALL	1st	2013	YES
502900	4859000	5.77253	690.66	690.66	0	24-Hr	ALL	1st	2011	YES
503100	4858200	5.76191	691.73	691.73	0	24-Hr	ALL	1st	2013	YES
503625	4857700	5.77907	694.1	694.1	0	24-Hr	ALL	1st	2015	YES
503600	4857700	5.75726	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
503600	4857950	5.73385	692.28	692.28	0	24-Hr	ALL	1st	2011	YES
503575	4857900	5.74195	692.44	692.44	0	24-Hr	ALL	1st	2011	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503625	4857725	5.72469	693.7	693.7	0	24-Hr	ALL	1st	2015	YES
503300	4859100	5.70947	695.86	695.86	0	24-Hr	ALL	1st	2011	YES
503600	4857775	5.69773	692.71	692.71	0	24-Hr	ALL	1st	2013	YES
503673.1	4857778	5.68346	693.15	693.15	0	24-Hr	ALL	1st	2013	YES
503675	4857775	5.67599	693.2	693.2	0	24-Hr	ALL	1st	2013	YES
503550	4858000	5.67493	691.95	691.95	0	24-Hr	ALL	1st	2013	YES
503575	4857775	5.67159	692.62	692.62	0	24-Hr	ALL	1st	2013	YES
503775	4857750	5.67051	694.27	694.27	0	24-Hr	ALL	1st	2013	YES
503700	4857725	5.6752	694	694	0	24-Hr	ALL	1st	2015	YES
503625	4857775	5.66014	692.91	692.91	0	24-Hr	ALL	1st	2013	YES
504300	4858900	5.63108	695.52	695.52	0	24-Hr	ALL	1st	2013	YES
504100	4859100	5.6369	699.19	699.19	0	24-Hr	ALL	1st	2013	YES
504600	4858200	5.63287	699.04	699.04	0	24-Hr	ALL	1st	2014	YES
503575	4857950	5.61288	692.39	692.39	0	24-Hr	ALL	1st	2011	YES
503550	4857675	5.59431	694.05	694.05	0	24-Hr	ALL	1st	2015	YES
503100	4858300	5.57934	689.69	689.69	0	24-Hr	ALL	1st	2013	YES
503650	4857750	5.57401	693.51	693.51	0	24-Hr	ALL	1st	2013	YES
503550	4857900	5.58169	692.6	692.6	0	24-Hr	ALL	1st	2011	YES
504000	4857200	5.58016	702.31	702.31	0	24-Hr	ALL	1st	2011	YES
504500	4858400	5.55751	701.72	701.72	0	24-Hr	ALL	1st	2013	YES
503575	4857700	5.55948	693.93	693.93	0	24-Hr	ALL	1st	2015	YES
503800	4859100	5.52943	696.32	696.32	0	24-Hr	ALL	1st	2011	YES
503575	4857675	5.53188	694.24	694.24	0	24-Hr	ALL	1st	2015	YES
503800	4857200	5.51012	702.26	702.26	0	24-Hr	ALL	1st	2013	YES
503625	4857750	5.5013	693.37	693.37	0	24-Hr	ALL	1st	2013	YES
503650	4857775	5.4906	693.06	693.06	0	24-Hr	ALL	1st	2013	YES
503600	4857975	5.48184	691.81	691.81	0	24-Hr	ALL	1st	2013	YES
504700	4857800	5.46686	708.71	708.71	0	24-Hr	ALL	1st	2014	YES
504800	4857900	5.46177	710.56	710.56	0	24-Hr	ALL	1st	2012	YES
503550	4857950	5.45366	692.38	692.38	0	24-Hr	ALL	1st	2011	YES
503000	4858800	5.44374	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
503650	4857700	5.44975	694.22	694.22	0	24-Hr	ALL	1st	2015	YES
504200	4858900	5.41754	693.67	693.67	0	24-Hr	ALL	1st	2013	YES
504700	4858200	5.42063	698.92	698.92	0	24-Hr	ALL	1st	2014	YES
503700	4857675	5.40358	694.45	694.45	0	24-Hr	ALL	1st	2011	YES
503700	4859100	5.36292	695.92	695.92	0	24-Hr	ALL	1st	2013	YES
503500	4857900	5.35606	692.1	692.1	0	24-Hr	ALL	1st	2011	YES
503575	4857725	5.34319	693.47	693.47	0	24-Hr	ALL	1st	2013	YES
503500	4857500	5.3427	695.79	695.79	0	24-Hr	ALL	1st	2011	YES
504000	4859000	5.34117	697.53	697.53	0	24-Hr	ALL	1st	2015	YES
503600	4857725	5.3406	693.7	693.7	0	24-Hr	ALL	1st	2013	YES

Scenario1, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504600	4858400	5.33694	701.54	701.54	0	24-Hr	ALL	1st	2013	YES
503500	4857400	5.33201	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
502600	4859000	5.31071	691.6	691.6	0	24-Hr	ALL	1st	2012	YES
503600	4857750	5.3049	693.24	693.24	0	24-Hr	ALL	1st	2013	YES
503725	4857725	5.32332	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
503400	4857400	5.28559	697.09	697.09	0	24-Hr	ALL	1st	2011	YES
502800	4859100	5.2499	689.76	689.76	0	24-Hr	ALL	1st	2011	YES
503575	4857975	5.23015	692.02	692.02	0	24-Hr	ALL	1st	2013	YES
504600	4858300	5.22653	702.77	702.77	0	24-Hr	ALL	1st	2015	YES
504400	4857400	5.22523	703.29	727.1	0	24-Hr	ALL	1st	2012	YES
503600	4857675	5.2299	694.35	694.35	0	24-Hr	ALL	1st	2015	YES
504100	4857400	5.21553	702.06	702.06	0	24-Hr	ALL	1st	2011	YES
503600	4857400	5.19643	696.7	696.7	0	24-Hr	ALL	1st	2015	YES
503725	4857700	5.1939	694.12	694.12	0	24-Hr	ALL	1st	2011	YES
504600	4858500	5.18471	697.16	697.16	0	24-Hr	ALL	1st	2013	YES
502600	4858900	5.18393	690.93	690.93	0	24-Hr	ALL	1st	2012	YES
503800	4859000	5.17467	695.86	695.86	0	24-Hr	ALL	1st	2011	YES
503550	4857700	5.18152	693.73	693.73	0	24-Hr	ALL	1st	2015	YES
504600	4858900	5.15451	701.39	701.39	0	24-Hr	ALL	1st	2015	YES
503550	4857725	5.13031	693.5	693.5	0	24-Hr	ALL	1st	2013	YES
503750	4857725	5.13682	694.15	694.15	0	24-Hr	ALL	1st	2013	YES
503700	4857400	5.13275	697.06	697.06	0	24-Hr	ALL	1st	2011	YES
504400	4858800	5.12049	695.86	695.86	0	24-Hr	ALL	1st	2015	YES
503100	4858700	5.11118	683.93	690.91	0	24-Hr	ALL	1st	2013	YES
503500	4858000	5.09066	692.67	692.67	0	24-Hr	ALL	1st	2013	YES
503800	4858900	5.0784	696.23	696.23	0	24-Hr	ALL	1st	2014	YES
504200	4857300	5.07621	703.64	703.64	0	24-Hr	ALL	1st	2014	YES
503550	4857975	5.06045	692.23	692.23	0	24-Hr	ALL	1st	2013	YES
504700	4857600	5.05652	717.75	726.66	0	24-Hr	ALL	1st	2014	YES
502500	4859000	5.0562	692.61	692.61	0	24-Hr	ALL	1st	2012	YES
503900	4857300	5.06313	701.79	701.79	0	24-Hr	ALL	1st	2013	YES
504600	4857500	5.0517	716.69	726.67	0	24-Hr	ALL	1st	2015	YES
503675	4857700	5.0719	694.27	694.27	0	24-Hr	ALL	1st	2015	YES
503550	4857750	5.05168	693.03	693.03	0	24-Hr	ALL	1st	2013	YES
504600	4858800	5.04557	701.03	701.03	0	24-Hr	ALL	1st	2015	YES
503500	4857700	5.03153	693.57	693.57	0	24-Hr	ALL	1st	2013	YES
503300	4857300	5.02629	695.81	695.81	0	24-Hr	ALL	1st	2011	YES
503000	4858600	5.01763	676.56	691.59	0	24-Hr	ALL	1st	2013	YES
503900	4857200	5.00464	698.99	701.79	0	24-Hr	ALL	1st	2012	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504232.2	4857935	42.25015	693.48	693.48	0	24-Hr	ALL	1st	2015	YES
504019.1	4858037	40.31856	691.46	691.46	0	24-Hr	ALL	1st	2013	YES
504230.2	4857959	40.07654	693.33	693.33	0	24-Hr	ALL	1st	2015	YES
504156.9	4858051	39.40162	693.74	693.74	0	24-Hr	ALL	1st	2014	YES
503948.4	4858041	38.93636	691.13	691.13	0	24-Hr	ALL	1st	2013	YES
504228.3	4857982	37.83039	693.41	693.41	0	24-Hr	ALL	1st	2015	YES
504089.8	4858033	37.46051	692.23	692.23	0	24-Hr	ALL	1st	2013	YES
503995.5	4858039	36.81322	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
504178.8	4858051	36.73961	694.27	694.27	0	24-Hr	ALL	1st	2014	YES
504066.2	4858035	36.62271	691.92	691.92	0	24-Hr	ALL	1st	2013	YES
503972	4858040	36.18269	691.23	691.23	0	24-Hr	ALL	1st	2013	YES
504135.1	4858051	35.73148	693.36	693.36	0	24-Hr	ALL	1st	2014	YES
503950	4858050	35.54513	691.46	691.46	0	24-Hr	ALL	1st	2013	YES
503925	4858050	35.4618	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
503924.8	4858043	35.12997	690.7	690.7	0	24-Hr	ALL	1st	2013	YES
504000	4858050	34.56646	691.59	691.59	0	24-Hr	ALL	1st	2013	YES
504113.2	4858051	34.20815	692.97	692.97	0	24-Hr	ALL	1st	2013	YES
503975	4858050	32.57426	691.62	691.62	0	24-Hr	ALL	1st	2011	YES
504042.7	4858036	32.09114	691.68	691.68	0	24-Hr	ALL	1st	2011	YES
504025	4858050	30.32359	691.76	691.76	0	24-Hr	ALL	1st	2013	YES
503925	4858075	30.30975	691.87	691.87	0	24-Hr	ALL	1st	2013	YES
503900	4858075	30.21516	691.28	691.28	0	24-Hr	ALL	1st	2013	YES
503950	4858075	29.28102	692.31	692.31	0	24-Hr	ALL	1st	2011	YES
504091.4	4858051	29.25762	692.66	692.66	0	24-Hr	ALL	1st	2013	YES
504226.4	4858005	28.97848	693.76	693.76	0	24-Hr	ALL	1st	2015	YES
503900	4858050	28.48037	690.35	690.35	0	24-Hr	ALL	1st	2013	YES
503975	4858075	28.17468	692.58	692.58	0	24-Hr	ALL	1st	2013	YES
503901.3	4858044	28.0698	690.21	690.21	0	24-Hr	ALL	1st	2013	YES
504250	4857975	27.63554	693.76	693.76	0	24-Hr	ALL	1st	2015	YES
504000	4858075	27.51927	692.58	692.58	0	24-Hr	ALL	1st	2013	YES
504250	4857950	27.26758	693.91	693.91	0	24-Hr	ALL	1st	2015	YES
504248.9	4857936	27.15853	694.22	694.22	0	24-Hr	ALL	1st	2015	YES
504075	4858050	27.02158	692.4	692.4	0	24-Hr	ALL	1st	2013	YES
504050	4858050	26.71481	692.06	692.06	0	24-Hr	ALL	1st	2011	YES
503925	4858100	26.41456	692.9	692.9	0	24-Hr	ALL	1st	2011	YES
503900	4858100	26.00501	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
504200.6	4858051	25.57594	694.57	694.57	0	24-Hr	ALL	1st	2014	YES
503875	4858100	25.5451	691.54	691.54	0	24-Hr	ALL	1st	2013	YES
504100	4857775	25.51689	693.75	693.75	0	24-Hr	ALL	1st	2014	YES
503875	4858075	25.32298	690.81	690.81	0	24-Hr	ALL	1st	2013	YES
503950	4858100	25.19924	693.43	693.43	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504150	4858075	25.19251	694.19	694.19	0	24-Hr	ALL	1st	2014	YES
504119.5	4857776	24.02478	694.76	694.76	0	24-Hr	ALL	1st	2014	YES
503878.2	4858049	24.00527	690	690	0	24-Hr	ALL	1st	2013	YES
504193.9	4857776	23.94419	696.24	696.24	0	24-Hr	ALL	1st	2014	YES
503875	4858050	23.69422	690.02	690.02	0	24-Hr	ALL	1st	2013	YES
504025	4858075	23.47739	692.56	692.56	0	24-Hr	ALL	1st	2011	YES
504100	4858075	23.45245	693.47	693.47	0	24-Hr	ALL	1st	2013	YES
504250	4858000	23.43208	693.95	693.95	0	24-Hr	ALL	1st	2015	YES
503900	4858125	23.40818	692.97	692.97	0	24-Hr	ALL	1st	2011	YES
503975	4858100	23.39746	693.75	693.75	0	24-Hr	ALL	1st	2013	YES
504069.9	4857776	23.26207	692.49	692.49	0	24-Hr	ALL	1st	2012	YES
504265.6	4857936	23.02516	694.7	694.7	0	24-Hr	ALL	1st	2015	YES
503925	4858125	22.89929	693.89	693.89	0	24-Hr	ALL	1st	2011	YES
503850	4858125	22.88397	691.16	691.16	0	24-Hr	ALL	1st	2013	YES
504308.9	4857892	22.85688	696.01	696.01	0	24-Hr	ALL	1st	2015	YES
504225	4858025	22.80881	694.35	694.35	0	24-Hr	ALL	1st	2013	YES
503875	4858125	22.70566	692.03	692.03	0	24-Hr	ALL	1st	2013	YES
504050	4857775	22.61675	692.8	692.8	0	24-Hr	ALL	1st	2013	YES
504200	4857775	22.57623	696.28	696.28	0	24-Hr	ALL	1st	2014	YES
503850	4858100	22.57511	690.8	690.8	0	24-Hr	ALL	1st	2013	YES
504175	4858075	22.54982	694.67	694.67	0	24-Hr	ALL	1st	2014	YES
504175	4857775	22.54381	696.13	696.13	0	24-Hr	ALL	1st	2014	YES
503855	4858053	22.32376	689.85	689.85	0	24-Hr	ALL	1st	2013	YES
504075	4858075	22.22404	693.15	693.15	0	24-Hr	ALL	1st	2013	YES
504200	4858075	22.22263	695.08	695.08	0	24-Hr	ALL	1st	2014	YES
504094.7	4857776	22.2124	693.35	693.35	0	24-Hr	ALL	1st	2014	YES
503850	4858150	22.06366	691.4	691.4	0	24-Hr	ALL	1st	2013	YES
504294.9	4857927	21.99143	695.78	695.78	0	24-Hr	ALL	1st	2015	YES
504224.4	4858028	21.95398	694.42	694.42	0	24-Hr	ALL	1st	2013	YES
504307.4	4857917	21.8439	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504275	4857975	21.78331	693.88	693.88	0	24-Hr	ALL	1st	2015	YES
504300	4857925	21.76742	695.84	695.84	0	24-Hr	ALL	1st	2015	YES
503850	4858075	21.57903	690.23	690.23	0	24-Hr	ALL	1st	2013	YES
504282.3	4857936	21.53696	695.22	695.22	0	24-Hr	ALL	1st	2015	YES
504125	4857775	21.53187	694.97	694.97	0	24-Hr	ALL	1st	2011	YES
503900	4858150	21.47823	693.52	693.52	0	24-Hr	ALL	1st	2011	YES
504050	4858075	21.41267	692.9	692.9	0	24-Hr	ALL	1st	2013	YES
504325	4857900	21.28415	696.13	696.13	0	24-Hr	ALL	1st	2015	YES
504275	4857950	21.27632	694.3	694.3	0	24-Hr	ALL	1st	2015	YES
504075	4857775	21.26342	692.53	692.53	0	24-Hr	ALL	1st	2012	YES
503825	4858150	21.23199	690.51	690.51	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504125	4858075	21.15889	693.84	693.84	0	24-Hr	ALL	1st	2014	YES
503825	4858175	21.08976	689.82	689.82	0	24-Hr	ALL	1st	2013	YES
504045.1	4857776	21.08664	692.9	692.9	0	24-Hr	ALL	1st	2013	YES
504218.7	4857776	21.01604	696.22	696.22	0	24-Hr	ALL	1st	2015	YES
503950	4858125	20.99217	694.59	694.59	0	24-Hr	ALL	1st	2013	YES
504225	4857775	20.95885	696.11	696.11	0	24-Hr	ALL	1st	2014	YES
503831.9	4858058	20.92812	689.7	689.7	0	24-Hr	ALL	1st	2013	YES
504169.1	4857776	20.90592	696.07	696.07	0	24-Hr	ALL	1st	2014	YES
503875	4858150	20.82316	692.4	692.4	0	24-Hr	ALL	1st	2013	YES
504125	4857750	20.7635	694.51	694.51	0	24-Hr	ALL	1st	2014	YES
504100	4858100	20.67405	694.1	694.1	0	24-Hr	ALL	1st	2013	YES
503800	4858200	20.52951	690.54	690.54	0	24-Hr	ALL	1st	2013	YES
503850	4858175	20.32525	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
504000	4858100	20.25171	693.81	693.81	0	24-Hr	ALL	1st	2013	YES
503825	4858100	20.23098	690.18	690.18	0	24-Hr	ALL	1st	2013	YES
503825	4858075	20.19739	689.81	689.81	0	24-Hr	ALL	1st	2013	YES
503825	4858125	20.12574	690.55	690.55	0	24-Hr	ALL	1st	2013	YES
503825	4858200	19.9491	690.66	690.66	0	24-Hr	ALL	1st	2013	YES
503975	4858125	19.93177	695.01	695.01	0	24-Hr	ALL	1st	2013	YES
504325	4857925	19.72232	695.94	695.94	0	24-Hr	ALL	1st	2015	YES
503875	4858175	19.70033	692.53	692.53	0	24-Hr	ALL	1st	2011	YES
504243.5	4857776	19.59994	695.84	695.84	0	24-Hr	ALL	1st	2014	YES
503800	4858175	19.56873	689.83	689.83	0	24-Hr	ALL	1st	2013	YES
504100	4857750	19.52533	693.04	693.04	0	24-Hr	ALL	1st	2014	YES
504125	4857725	19.45813	692.9	692.9	0	24-Hr	ALL	1st	2014	YES
504025	4858100	19.4148	693.75	693.75	0	24-Hr	ALL	1st	2015	YES
504200	4858100	19.36896	695.49	695.49	0	24-Hr	ALL	1st	2014	YES
504175	4858100	19.32312	695.01	695.01	0	24-Hr	ALL	1st	2014	YES
504225	4857750	19.28582	696.41	696.41	0	24-Hr	ALL	1st	2014	YES
504325	4857875	19.24609	695.95	695.95	0	24-Hr	ALL	1st	2015	YES
503808.8	4858063	19.23604	689.6	689.6	0	24-Hr	ALL	1st	2013	YES
503925	4858150	19.22636	694.6	694.6	0	24-Hr	ALL	1st	2013	YES
504350	4857900	19.16152	696.38	696.38	0	24-Hr	ALL	1st	2015	YES
503800	4858125	19.03618	689.9	689.9	0	24-Hr	ALL	1st	2013	YES
504075	4858100	19.01691	694.01	694.01	0	24-Hr	ALL	1st	2013	YES
504300	4857950	19.00259	694.88	694.88	0	24-Hr	ALL	1st	2015	YES
503800	4858100	18.99156	689.68	689.68	0	24-Hr	ALL	1st	2013	YES
504250	4857775	18.9536	695.73	695.73	0	24-Hr	ALL	1st	2014	YES
504310.3	4857868	18.94563	695.75	695.75	0	24-Hr	ALL	1st	2015	YES
503800	4858075	18.84724	689.54	689.54	0	24-Hr	ALL	1st	2013	YES
503950	4858150	18.83174	695.46	695.46	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503900	4858175	18.78885	693.78	693.78	0	24-Hr	ALL	1st	2011	YES
503850	4858200	18.72895	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
504050	4857750	18.71976	693.23	693.23	0	24-Hr	ALL	1st	2013	YES
504150	4858100	18.659	694.61	694.61	0	24-Hr	ALL	1st	2014	YES
503775	4858200	18.60441	690.57	690.57	0	24-Hr	ALL	1st	2013	YES
504125	4858100	18.55598	694.23	694.23	0	24-Hr	ALL	1st	2013	YES
504100	4858125	18.44785	694.68	694.68	0	24-Hr	ALL	1st	2013	YES
504275	4858000	18.34426	694.07	694.07	0	24-Hr	ALL	1st	2015	YES
503875	4858200	18.30605	692.84	692.84	0	24-Hr	ALL	1st	2011	YES
504050	4858100	18.17128	693.75	693.75	0	24-Hr	ALL	1st	2013	YES
504150	4857775	18.12964	695.87	695.87	0	24-Hr	ALL	1st	2014	YES
503775	4858125	18.12239	689.25	689.25	0	24-Hr	ALL	1st	2013	YES
504225	4858100	18.08726	695.87	695.87	0	24-Hr	ALL	1st	2014	YES
504300	4857975	18.05863	694.18	694.18	0	24-Hr	ALL	1st	2015	YES
504350	4857925	18.05614	695.88	695.88	0	24-Hr	ALL	1st	2015	YES
503800	4858150	18.0098	689.79	689.79	0	24-Hr	ALL	1st	2013	YES
504325	4857950	17.98378	695.21	695.21	0	24-Hr	ALL	1st	2015	YES
503775	4858100	17.97986	689.21	689.21	0	24-Hr	ALL	1st	2013	YES
504144.3	4857776	17.96299	695.72	695.72	0	24-Hr	ALL	1st	2013	YES
503775	4858150	17.74492	689.49	689.49	0	24-Hr	ALL	1st	2013	YES
504200	4857750	17.73313	696.31	696.31	0	24-Hr	ALL	1st	2014	YES
504125	4857700	17.71321	692.87	692.87	0	24-Hr	ALL	1st	2014	YES
504275	4858025	17.67752	694.64	694.64	0	24-Hr	ALL	1st	2015	YES
504225	4858075	17.64286	695.43	695.43	0	24-Hr	ALL	1st	2014	YES
503700	4858300	17.62549	690.62	690.62	0	24-Hr	ALL	1st	2013	YES
504268.3	4857775	17.60859	695.71	695.71	0	24-Hr	ALL	1st	2013	YES
504250	4858025	17.6053	694.49	694.49	0	24-Hr	ALL	1st	2015	YES
504125	4858125	17.56134	694.61	694.61	0	24-Hr	ALL	1st	2013	YES
504275	4857775	17.54854	695.89	695.89	0	24-Hr	ALL	1st	2013	YES
504175	4858125	17.49352	695.15	695.15	0	24-Hr	ALL	1st	2014	YES
504075	4857750	17.4665	692.59	692.59	0	24-Hr	ALL	1st	2014	YES
503785.7	4858068	17.41299	689.38	689.38	0	24-Hr	ALL	1st	2013	YES
504222.5	4858051	17.40303	694.86	694.86	0	24-Hr	ALL	1st	2013	YES
504375	4857900	17.22696	696.64	696.64	0	24-Hr	ALL	1st	2015	YES
503950	4858175	17.22524	695.92	695.92	0	24-Hr	ALL	1st	2013	YES
503750	4858150	17.22167	689.26	689.26	0	24-Hr	ALL	1st	2013	YES
504225	4858050	17.2214	694.87	694.87	0	24-Hr	ALL	1st	2013	YES
503750	4858125	17.20648	688.95	688.95	0	24-Hr	ALL	1st	2013	YES
504350	4857950	17.19842	695.37	695.37	0	24-Hr	ALL	1st	2015	YES
504250	4857750	17.19631	695.92	695.92	0	24-Hr	ALL	1st	2015	YES
503925	4858175	17.15014	695.04	695.04	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504025	4858125	17.14737	695.15	695.15	0	24-Hr	ALL	1st	2015	YES
504293.1	4857775	17.12081	696.89	696.89	0	24-Hr	ALL	1st	2013	YES
503975	4858150	17.08249	695.9	695.9	0	24-Hr	ALL	1st	2013	YES
504225	4858125	17.06999	696.06	696.06	0	24-Hr	ALL	1st	2014	YES
504350	4857875	17.06245	696.25	696.25	0	24-Hr	ALL	1st	2015	YES
503775	4858075	16.9708	689.23	689.23	0	24-Hr	ALL	1st	2013	YES
504200	4858125	16.90001	695.6	695.6	0	24-Hr	ALL	1st	2014	YES
504020.3	4857776	16.80019	693.31	693.31	0	24-Hr	ALL	1st	2014	YES
504300	4857775	16.69767	697.29	697.29	0	24-Hr	ALL	1st	2013	YES
503725	4858150	16.68532	688.98	688.98	0	24-Hr	ALL	1st	2013	YES
504300	4858000	16.68432	694.26	694.26	0	24-Hr	ALL	1st	2015	YES
504075	4858125	16.68256	694.78	694.78	0	24-Hr	ALL	1st	2013	YES
504025	4857775	16.63254	693.31	693.31	0	24-Hr	ALL	1st	2014	YES
504375	4857925	16.52187	696.03	696.03	0	24-Hr	ALL	1st	2015	YES
504100	4858150	16.50535	695.32	695.32	0	24-Hr	ALL	1st	2013	YES
503925	4858200	16.49472	695.21	695.21	0	24-Hr	ALL	1st	2013	YES
504025	4857725	16.47472	694.75	694.75	0	24-Hr	ALL	1st	2013	YES
504125	4858150	16.47304	695.11	695.11	0	24-Hr	ALL	1st	2013	YES
503725	4858175	16.43191	689.66	689.66	0	24-Hr	ALL	1st	2013	YES
504000	4857775	16.39004	693.53	693.53	0	24-Hr	ALL	1st	2015	YES
504275	4857750	16.38825	696.17	696.17	0	24-Hr	ALL	1st	2014	YES
503750	4858100	16.37397	688.79	688.79	0	24-Hr	ALL	1st	2013	YES
503750	4858175	16.35756	689.95	689.95	0	24-Hr	ALL	1st	2013	YES
504000	4858125	16.32425	695.08	695.08	0	24-Hr	ALL	1st	2013	YES
504250	4857725	16.25164	696.61	696.61	0	24-Hr	ALL	1st	2014	YES
504375	4857950	16.19843	695.69	695.69	0	24-Hr	ALL	1st	2015	YES
503775	4858175	16.1836	689.97	689.97	0	24-Hr	ALL	1st	2013	YES
503700	4858175	16.12455	688.71	688.71	0	24-Hr	ALL	1st	2013	YES
504311.8	4857844	16.09932	695.83	695.83	0	24-Hr	ALL	1st	2012	YES
504050	4858125	16.07408	695.01	695.01	0	24-Hr	ALL	1st	2013	YES
504150	4857750	16.04437	695.7	695.7	0	24-Hr	ALL	1st	2012	YES
504313.2	4857819	15.96793	696.51	696.51	0	24-Hr	ALL	1st	2012	YES
504325	4857975	15.94529	694.59	694.59	0	24-Hr	ALL	1st	2015	YES
503725	4858125	15.8808	688.8	688.8	0	24-Hr	ALL	1st	2013	YES
503900	4858200	15.87216	694.01	694.01	0	24-Hr	ALL	1st	2011	YES
504150	4858125	15.86054	694.79	694.79	0	24-Hr	ALL	1st	2013	YES
504050	4857725	15.67887	694.46	694.46	0	24-Hr	ALL	1st	2014	YES
504075	4858150	15.67387	695.74	695.74	0	24-Hr	ALL	1st	2013	YES
504150	4857725	15.66986	694.47	694.47	0	24-Hr	ALL	1st	2011	YES
503700	4858150	15.6107	688.45	688.45	0	24-Hr	ALL	1st	2013	YES
504175	4858150	15.5714	695.07	695.07	0	24-Hr	ALL	1st	2014	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503762.6	4858072	15.5427	689.11	689.11	0	24-Hr	ALL	1st	2013	YES
504050	4857700	15.51854	695.27	695.27	0	24-Hr	ALL	1st	2014	YES
504250	4858050	15.50123	695.14	695.14	0	24-Hr	ALL	1st	2013	YES
504317.9	4857775	15.49489	697.87	697.87	0	24-Hr	ALL	1st	2013	YES
504100	4857725	15.48383	692.68	692.68	0	24-Hr	ALL	1st	2014	YES
504200	4858150	15.47686	695.45	695.45	0	24-Hr	ALL	1st	2014	YES
504125	4857675	15.47443	694.83	694.83	0	24-Hr	ALL	1st	2014	YES
504325	4857850	15.44363	695.84	695.84	0	24-Hr	ALL	1st	2012	YES
504150	4857700	15.36242	693.07	693.07	0	24-Hr	ALL	1st	2011	YES
504225	4858150	15.33822	695.95	695.95	0	24-Hr	ALL	1st	2014	YES
503950	4858200	15.31068	695.81	695.81	0	24-Hr	ALL	1st	2013	YES
504025	4858150	15.27897	695.95	695.95	0	24-Hr	ALL	1st	2015	YES
504400	4857900	15.27344	697.18	697.18	0	24-Hr	ALL	1st	2015	YES
503700	4858200	15.27094	689.04	689.04	0	24-Hr	ALL	1st	2013	YES
504050	4858150	15.26713	695.86	695.86	0	24-Hr	ALL	1st	2013	YES
504000	4858150	15.26147	696	696	0	24-Hr	ALL	1st	2015	YES
504025	4857750	15.20619	694.07	694.07	0	24-Hr	ALL	1st	2013	YES
503675	4858200	15.19194	687.49	687.49	0	24-Hr	ALL	1st	2013	YES
504375	4857875	15.13717	697.15	697.15	0	24-Hr	ALL	1st	2015	YES
503995.5	4857777	15.1265	693.51	693.51	0	24-Hr	ALL	1st	2015	YES
504350	4857975	15.10633	694.95	694.95	0	24-Hr	ALL	1st	2015	YES
504125	4858175	15.10079	695.65	695.65	0	24-Hr	ALL	1st	2013	YES
504025	4857700	15.08468	695.34	695.34	0	24-Hr	ALL	1st	2013	YES
504400	4857925	15.07612	696.6	696.6	0	24-Hr	ALL	1st	2015	YES
503800	4858300	15.07077	692.21	692.21	0	24-Hr	ALL	1st	2011	YES
503675	4858175	15.0679	687.35	687.35	0	24-Hr	ALL	1st	2013	YES
504400	4857950	15.03864	696.26	696.26	0	24-Hr	ALL	1st	2015	YES
504325	4857775	14.98234	698	698	0	24-Hr	ALL	1st	2013	YES
503725	4858200	14.87594	689.84	689.84	0	24-Hr	ALL	1st	2013	YES
504375	4857975	14.85722	695.38	695.38	0	24-Hr	ALL	1st	2015	YES
504100	4858175	14.81072	695.84	695.84	0	24-Hr	ALL	1st	2013	YES
504075	4857725	14.78925	693.4	693.4	0	24-Hr	ALL	1st	2014	YES
504300	4857750	14.76398	697.48	697.48	0	24-Hr	ALL	1st	2014	YES
504325	4857825	14.73783	696.35	696.35	0	24-Hr	ALL	1st	2012	YES
504150	4858150	14.71861	695	695	0	24-Hr	ALL	1st	2013	YES
504175	4857750	14.69709	696.13	696.13	0	24-Hr	ALL	1st	2014	YES
504250	4858150	14.65254	696.56	696.56	0	24-Hr	ALL	1st	2014	YES
504075	4858175	14.6486	695.96	695.96	0	24-Hr	ALL	1st	2013	YES
504000	4858175	14.62166	696.21	696.21	0	24-Hr	ALL	1st	2015	YES
504325	4857800	14.60356	697.33	697.33	0	24-Hr	ALL	1st	2012	YES
504314.7	4857795	14.56789	697.39	697.39	0	24-Hr	ALL	1st	2012	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504400	4857975	14.55387	695.82	695.82	0	24-Hr	ALL	1st	2015	YES
504300	4858025	14.50366	694.74	694.74	0	24-Hr	ALL	1st	2015	YES
503750	4858075	14.4848	688.95	688.95	0	24-Hr	ALL	1st	2013	YES
504250	4858075	14.46559	695.7	695.7	0	24-Hr	ALL	1st	2013	YES
503650	4858200	14.45134	686.01	686.01	0	24-Hr	ALL	1st	2013	YES
504250	4858125	14.42267	696.59	696.59	0	24-Hr	ALL	1st	2014	YES
504325	4858000	14.40964	694.3	694.3	0	24-Hr	ALL	1st	2015	YES
503750	4858200	14.39623	690.29	690.29	0	24-Hr	ALL	1st	2013	YES
504050	4857675	14.3007	696.02	696.02	0	24-Hr	ALL	1st	2014	YES
504200	4858175	14.29802	695.39	695.39	0	24-Hr	ALL	1st	2014	YES
504300	4857725	14.26975	697.41	697.41	0	24-Hr	ALL	1st	2015	YES
503975	4858175	14.22194	696.11	696.11	0	24-Hr	ALL	1st	2013	YES
504050	4858175	14.1974	696.18	696.18	0	24-Hr	ALL	1st	2013	YES
503700	4858125	14.16089	688.68	688.68	0	24-Hr	ALL	1st	2013	YES
504300	4858050	14.15597	695.41	695.41	0	24-Hr	ALL	1st	2015	YES
504225	4857725	14.15104	696.38	696.38	0	24-Hr	ALL	1st	2014	YES
503725	4858100	14.14778	688.77	688.77	0	24-Hr	ALL	1st	2013	YES
504425	4857975	14.14643	696.21	696.21	0	24-Hr	ALL	1st	2015	YES
504350	4857850	14.04814	696.35	696.35	0	24-Hr	ALL	1st	2012	YES
504275	4857725	14.03758	696.85	696.85	0	24-Hr	ALL	1st	2015	YES
504250	4858100	14.02607	696.16	696.16	0	24-Hr	ALL	1st	2013	YES
504125	4858200	14.01841	695.89	695.89	0	24-Hr	ALL	1st	2013	YES
504425	4857950	14.00554	696.8	696.8	0	24-Hr	ALL	1st	2015	YES
503975	4857750	13.99359	694.62	694.62	0	24-Hr	ALL	1st	2015	YES
504025	4858175	13.98634	696.32	696.32	0	24-Hr	ALL	1st	2011	YES
504225	4858175	13.97202	695.81	695.81	0	24-Hr	ALL	1st	2014	YES
503600	4858400	13.96971	687.38	690.04	0	24-Hr	ALL	1st	2013	YES
504250	4858175	13.95004	696.22	696.22	0	24-Hr	ALL	1st	2014	YES
503675	4858150	13.92839	687.82	687.82	0	24-Hr	ALL	1st	2013	YES
504000	4858200	13.91698	696.17	696.17	0	24-Hr	ALL	1st	2015	YES
504425	4857925	13.91606	697.28	697.28	0	24-Hr	ALL	1st	2015	YES
504075	4858200	13.87013	696.28	696.28	0	24-Hr	ALL	1st	2013	YES
504150	4857675	13.86415	694.13	694.13	0	24-Hr	ALL	1st	2014	YES
504000	4857750	13.85883	694.46	694.46	0	24-Hr	ALL	1st	2015	YES
504325	4857750	13.76233	698.7	698.7	0	24-Hr	ALL	1st	2013	YES
504350	4857750	13.76226	698.99	698.99	0	24-Hr	ALL	1st	2013	YES
504275	4858050	13.71551	695.32	695.32	0	24-Hr	ALL	1st	2013	YES
504150	4858175	13.69728	695.49	695.49	0	24-Hr	ALL	1st	2013	YES
504275	4857700	13.67822	697.25	697.25	0	24-Hr	ALL	1st	2014	YES
504175	4857725	13.63542	695.49	695.49	0	24-Hr	ALL	1st	2011	YES
504425	4857900	13.61997	697.7	697.7	0	24-Hr	ALL	1st	2015	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504100	4858200	13.5965	696.08	696.08	0	24-Hr	ALL	1st	2013	YES
503739.5	4858077	13.50474	688.87	688.87	0	24-Hr	ALL	1st	2013	YES
503650	4858175	13.48209	686.25	686.25	0	24-Hr	ALL	1st	2013	YES
504400	4857875	13.4711	697.86	697.86	0	24-Hr	ALL	1st	2015	YES
504050	4858200	13.36846	696.37	696.37	0	24-Hr	ALL	1st	2013	YES
504350	4857800	13.33791	697.35	697.35	0	24-Hr	ALL	1st	2012	YES
504350	4857825	13.33282	696.79	696.79	0	24-Hr	ALL	1st	2013	YES
504275	4858075	13.26841	695.93	695.93	0	24-Hr	ALL	1st	2013	YES
503900	4858300	13.1068	693.58	693.58	0	24-Hr	ALL	1st	2013	YES
504175	4858175	13.10149	695.24	695.24	0	24-Hr	ALL	1st	2014	YES
504100	4857700	13.09883	693.98	693.98	0	24-Hr	ALL	1st	2014	YES
504375	4857750	13.09687	699.06	699.06	0	24-Hr	ALL	1st	2013	YES
504325	4857725	13.05765	699.08	699.08	0	24-Hr	ALL	1st	2015	YES
504200	4858200	13.04152	695.47	695.47	0	24-Hr	ALL	1st	2014	YES
503975	4857775	13.02313	694.33	694.33	0	24-Hr	ALL	1st	2011	YES
504025	4858200	13.00331	696.35	696.35	0	24-Hr	ALL	1st	2013	YES
503625	4858200	12.98308	684.37	684.37	0	24-Hr	ALL	1st	2013	YES
504250	4858200	12.9729	695.9	695.9	0	24-Hr	ALL	1st	2014	YES
503700	4858400	12.96131	690.38	690.38	0	24-Hr	ALL	1st	2013	YES
504350	4857775	12.95335	698	698	0	24-Hr	ALL	1st	2013	YES
503500	4858600	12.92987	691.15	691.15	0	24-Hr	ALL	1st	2013	YES
504225	4858200	12.91194	695.62	695.62	0	24-Hr	ALL	1st	2014	YES
504175	4857700	12.90712	694.87	694.87	0	24-Hr	ALL	1st	2011	YES
504375	4857850	12.8369	697.5	697.5	0	24-Hr	ALL	1st	2014	YES
504075	4857700	12.81181	694.85	694.85	0	24-Hr	ALL	1st	2014	YES
504150	4858200	12.7801	695.84	695.84	0	24-Hr	ALL	1st	2013	YES
504350	4858000	12.71825	694.61	694.61	0	24-Hr	ALL	1st	2015	YES
504025	4857675	12.68859	695.76	695.76	0	24-Hr	ALL	1st	2013	YES
504175	4857675	12.63905	695.09	695.09	0	24-Hr	ALL	1st	2011	YES
504275	4858100	12.6008	696.45	696.45	0	24-Hr	ALL	1st	2013	YES
503975	4858200	12.57486	696.04	696.04	0	24-Hr	ALL	1st	2013	YES
503975	4857725	12.47802	695.18	695.18	0	24-Hr	ALL	1st	2015	YES
503720.6	4858074	12.46788	689	689	0	24-Hr	ALL	1st	2013	YES
504300	4857700	12.46389	697.91	697.91	0	24-Hr	ALL	1st	2014	YES
504000	4857675	12.42716	695.95	695.95	0	24-Hr	ALL	1st	2013	YES
503725	4858075	12.39549	688.91	688.91	0	24-Hr	ALL	1st	2013	YES
504275	4858200	12.38538	696.42	696.42	0	24-Hr	ALL	1st	2014	YES
504275	4858125	12.36983	696.9	696.9	0	24-Hr	ALL	1st	2013	YES
503970.7	4857777	12.36331	694.45	694.45	0	24-Hr	ALL	1st	2011	YES
503800	4858400	12.34207	690.8	690.8	0	24-Hr	ALL	1st	2012	YES
503701.8	4858071	12.33988	689.71	689.71	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504325	4858075	12.28876	696.07	696.07	0	24-Hr	ALL	1st	2015	YES
504275	4858175	12.26588	696.82	696.82	0	24-Hr	ALL	1st	2014	YES
504175	4858200	12.24054	695.56	695.56	0	24-Hr	ALL	1st	2015	YES
503700	4858075	12.23102	689.7	689.7	0	24-Hr	ALL	1st	2013	YES
503400	4858700	12.21708	689.45	689.45	0	24-Hr	ALL	1st	2013	YES
504325	4858025	12.18852	694.73	694.73	0	24-Hr	ALL	1st	2015	YES
504400	4857850	12.16155	698.37	698.37	0	24-Hr	ALL	1st	2014	YES
503950	4857725	12.12598	695.46	695.46	0	24-Hr	ALL	1st	2015	YES
504350	4857725	12.10794	699.86	699.86	0	24-Hr	ALL	1st	2014	YES
504325	4857700	12.09904	699.22	699.22	0	24-Hr	ALL	1st	2015	YES
504375	4857800	12.08479	698.01	698.01	0	24-Hr	ALL	1st	2012	YES
504200	4857725	12.08426	695.95	695.95	0	24-Hr	ALL	1st	2014	YES
503675	4858125	12.0815	688.88	688.88	0	24-Hr	ALL	1st	2013	YES
504425	4857875	12.06753	698.23	698.23	0	24-Hr	ALL	1st	2015	YES
504325	4858050	12.0548	695.36	695.36	0	24-Hr	ALL	1st	2015	YES
504375	4857825	12.04377	697.87	697.87	0	24-Hr	ALL	1st	2013	YES
503700	4858100	11.96603	689.13	689.13	0	24-Hr	ALL	1st	2013	YES
504300	4858075	11.91925	696.06	696.06	0	24-Hr	ALL	1st	2013	YES
504275	4858150	11.882	697.05	697.05	0	24-Hr	ALL	1st	2013	YES
504350	4857700	11.87441	700.05	700.05	0	24-Hr	ALL	1st	2015	YES
503650	4858150	11.86891	687.26	687.26	0	24-Hr	ALL	1st	2013	YES
503683	4858068	11.78496	690.35	690.35	0	24-Hr	ALL	1st	2013	YES
503500	4858500	11.76556	686.96	686.96	0	24-Hr	ALL	1st	2013	YES
504375	4858000	11.76519	694.85	694.85	0	24-Hr	ALL	1st	2015	YES
504200	4857675	11.76098	696.39	696.39	0	24-Hr	ALL	1st	2011	YES
504300	4858100	11.73416	696.65	696.65	0	24-Hr	ALL	1st	2013	YES
503625	4858175	11.70374	685.41	685.41	0	24-Hr	ALL	1st	2013	YES
503675	4858075	11.64913	690.22	690.22	0	24-Hr	ALL	1st	2013	YES
504400	4858000	11.63033	695.29	695.29	0	24-Hr	ALL	1st	2015	YES
504500	4858000	11.62978	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
503600	4858200	11.61928	683.98	683.98	0	24-Hr	ALL	1st	2013	YES
504400	4857750	11.61287	699.63	699.63	0	24-Hr	ALL	1st	2013	YES
504425	4857850	11.60703	698.71	698.71	0	24-Hr	ALL	1st	2014	YES
504425	4858000	11.60605	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
503500	4858300	11.58682	683.98	690.52	0	24-Hr	ALL	1st	2013	YES
504250	4857700	11.56023	697.11	697.11	0	24-Hr	ALL	1st	2014	YES
504375	4857725	11.53197	700.53	700.53	0	24-Hr	ALL	1st	2014	YES
504000	4857700	11.5187	695.53	695.53	0	24-Hr	ALL	1st	2013	YES
504075	4857675	11.47367	695.94	695.94	0	24-Hr	ALL	1st	2012	YES
504300	4857675	11.43955	698.35	698.35	0	24-Hr	ALL	1st	2014	YES
503945.9	4857777	11.4383	694.6	694.6	0	24-Hr	ALL	1st	2015	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504200	4857700	11.42437	695.72	695.72	0	24-Hr	ALL	1st	2011	YES
504400	4857725	11.39553	700.73	700.73	0	24-Hr	ALL	1st	2013	YES
504375	4857775	11.38633	697.86	697.86	0	24-Hr	ALL	1st	2013	YES
503600	4858500	11.38313	683.17	690.26	0	24-Hr	ALL	1st	2013	YES
504100	4857675	11.38161	695.38	695.38	0	24-Hr	ALL	1st	2014	YES
503300	4858800	11.30497	689.78	689.78	0	24-Hr	ALL	1st	2013	YES
503950	4857700	11.26785	695.89	695.89	0	24-Hr	ALL	1st	2015	YES
503950	4857775	11.26588	694.61	694.61	0	24-Hr	ALL	1st	2015	YES
504300	4858125	11.26462	697.21	697.21	0	24-Hr	ALL	1st	2013	YES
504325	4857675	11.25025	698.89	698.89	0	24-Hr	ALL	1st	2014	YES
504350	4858025	11.18442	694.64	694.64	0	24-Hr	ALL	1st	2015	YES
504000	4858300	11.13509	695.17	695.17	0	24-Hr	ALL	1st	2011	YES
504100	4858300	11.13477	696.89	696.89	0	24-Hr	ALL	1st	2013	YES
504425	4857725	11.13136	701.02	701.02	0	24-Hr	ALL	1st	2013	YES
504300	4858150	11.09057	697.45	697.45	0	24-Hr	ALL	1st	2013	YES
503675	4858100	11.00178	689.78	689.78	0	24-Hr	ALL	1st	2013	YES
504200	4857600	10.92664	695.86	695.86	0	24-Hr	ALL	1st	2011	YES
504350	4858100	10.92177	696.8	696.8	0	24-Hr	ALL	1st	2015	YES
503925	4857775	10.894	694.81	694.81	0	24-Hr	ALL	1st	2015	YES
504375	4857700	10.88031	700.75	700.75	0	24-Hr	ALL	1st	2015	YES
503950	4857750	10.84686	695.08	695.08	0	24-Hr	ALL	1st	2011	YES
503664.2	4858065	10.82666	690.29	690.29	0	24-Hr	ALL	1st	2013	YES
503600	4858300	10.81969	688.34	689.69	0	24-Hr	ALL	1st	2013	YES
504400	4857825	10.74291	698.88	698.88	0	24-Hr	ALL	1st	2013	YES
503921.1	4857777	10.713	694.81	694.81	0	24-Hr	ALL	1st	2015	YES
504350	4858075	10.71295	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504300	4858175	10.71194	697.34	697.34	0	24-Hr	ALL	1st	2013	YES
503650	4858075	10.69922	689.77	689.77	0	24-Hr	ALL	1st	2013	YES
504400	4857800	10.66303	699.11	699.11	0	24-Hr	ALL	1st	2012	YES
504500	4857900	10.64181	700.12	700.12	0	24-Hr	ALL	1st	2012	YES
503650	4858100	10.62529	689.51	689.51	0	24-Hr	ALL	1st	2013	YES
503200	4858900	10.62483	692.31	692.31	0	24-Hr	ALL	1st	2013	YES
504000	4857725	10.62279	694.99	694.99	0	24-Hr	ALL	1st	2015	YES
504375	4857675	10.61328	700.78	700.78	0	24-Hr	ALL	1st	2015	YES
503925	4857700	10.57998	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
504325	4858100	10.53439	696.78	696.78	0	24-Hr	ALL	1st	2013	YES
504325	4858125	10.53393	697.45	697.45	0	24-Hr	ALL	1st	2013	YES
503575	4858200	10.39176	684.89	684.89	0	24-Hr	ALL	1st	2013	YES
504400	4857700	10.31993	701.09	701.09	0	24-Hr	ALL	1st	2014	YES
504350	4857675	10.30415	700.08	700.08	0	24-Hr	ALL	1st	2015	YES
504325	4858150	10.26359	697.81	697.81	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504425	4857700	10.2526	701.48	701.48	0	24-Hr	ALL	1st	2014	YES
504000	4858400	10.24418	692.27	692.27	0	24-Hr	ALL	1st	2011	YES
503900	4858400	10.22575	691.05	691.05	0	24-Hr	ALL	1st	2013	YES
503625	4858100	10.207	688.79	688.79	0	24-Hr	ALL	1st	2013	YES
504425	4857750	10.18019	700.41	700.41	0	24-Hr	ALL	1st	2013	YES
503650	4858125	10.16863	688.7	688.7	0	24-Hr	ALL	1st	2013	YES
504400	4857675	10.16687	701.32	701.32	0	24-Hr	ALL	1st	2015	YES
503925	4857675	10.15835	696.24	696.24	0	24-Hr	ALL	1st	2015	YES
504425	4858025	10.15167	695.29	695.29	0	24-Hr	ALL	1st	2013	YES
504225	4857700	10.14064	696.42	696.42	0	24-Hr	ALL	1st	2014	YES
504325	4858175	10.13992	697.9	697.9	0	24-Hr	ALL	1st	2013	YES
503600	4858175	10.13066	685.45	685.45	0	24-Hr	ALL	1st	2013	YES
504350	4858050	10.12117	695.26	695.26	0	24-Hr	ALL	1st	2013	YES
503625	4858150	10.05239	687.01	687.01	0	24-Hr	ALL	1st	2013	YES
504400	4857775	10.00733	699.21	699.21	0	24-Hr	ALL	1st	2012	YES
504425	4857825	10.00244	699.42	699.42	0	24-Hr	ALL	1st	2014	YES
504300	4858200	9.99771	697.09	697.09	0	24-Hr	ALL	1st	2014	YES
504100	4858400	9.99253	694.02	694.02	0	24-Hr	ALL	1st	2013	YES
504400	4858025	9.9777	694.94	694.94	0	24-Hr	ALL	1st	2013	YES
503600	4858100	9.93873	689.01	689.01	0	24-Hr	ALL	1st	2013	YES
504375	4858025	9.93236	694.7	694.7	0	24-Hr	ALL	1st	2013	YES
503700	4858500	9.91939	684.79	684.79	0	24-Hr	ALL	1st	2011	YES
503700	4858600	9.91805	690.05	690.05	0	24-Hr	ALL	1st	2012	YES
503625	4858075	9.89884	689.19	689.19	0	24-Hr	ALL	1st	2013	YES
504375	4858125	9.86632	697.59	697.59	0	24-Hr	ALL	1st	2015	YES
504275	4857675	9.81857	697.87	697.87	0	24-Hr	ALL	1st	2014	YES
504375	4858100	9.81549	696.71	696.71	0	24-Hr	ALL	1st	2015	YES
504375	4858050	9.79352	695.01	695.01	0	24-Hr	ALL	1st	2014	YES
504325	4858200	9.76195	697.77	697.77	0	24-Hr	ALL	1st	2013	YES
503575	4858100	9.7064	689.81	689.81	0	24-Hr	ALL	1st	2013	YES
504600	4858000	9.67282	701.76	701.76	0	24-Hr	ALL	1st	2015	YES
503600	4858600	9.6585	690.09	690.09	0	24-Hr	ALL	1st	2011	YES
503665	4858041	9.60772	690.57	690.57	0	24-Hr	ALL	1st	2013	YES
503100	4859000	9.58566	692.21	692.21	0	24-Hr	ALL	1st	2013	YES
504300	4858300	9.58029	698.65	698.65	0	24-Hr	ALL	1st	2014	YES
503400	4858400	9.57015	683.63	690.43	0	24-Hr	ALL	1st	2013	YES
504350	4858150	9.56007	698.16	698.16	0	24-Hr	ALL	1st	2013	YES
504200	4858300	9.51829	696.38	696.38	0	24-Hr	ALL	1st	2015	YES
504425	4857675	9.4895	701.72	701.72	0	24-Hr	ALL	1st	2015	YES
503900	4857675	9.48362	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
503650	4858050	9.47483	689.78	689.78	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504425	4857800	9.45168	700.02	700.02	0	24-Hr	ALL	1st	2012	YES
503550	4858125	9.43426	690.08	690.08	0	24-Hr	ALL	1st	2013	YES
504350	4858125	9.41474	697.58	697.58	0	24-Hr	ALL	1st	2013	YES
504350	4858175	9.41208	698.46	698.46	0	24-Hr	ALL	1st	2013	YES
504000	4857600	9.3962	696.98	696.98	0	24-Hr	ALL	1st	2013	YES
503925	4857750	9.37661	695.26	695.26	0	24-Hr	ALL	1st	2015	YES
503400	4858600	9.3501	683.47	691.45	0	24-Hr	ALL	1st	2013	YES
503600	4858075	9.34288	689.63	689.63	0	24-Hr	ALL	1st	2013	YES
504200	4858400	9.33377	693.7	693.7	0	24-Hr	ALL	1st	2013	YES
503575	4858125	9.3298	689.25	689.25	0	24-Hr	ALL	1st	2013	YES
503550	4858100	9.30873	690.49	690.49	0	24-Hr	ALL	1st	2013	YES
503925	4857725	9.28843	695.63	695.63	0	24-Hr	ALL	1st	2015	YES
504350	4858200	9.26967	698.61	698.61	0	24-Hr	ALL	1st	2013	YES
503975	4857700	9.26779	695.67	695.67	0	24-Hr	ALL	1st	2015	YES
503300	4858700	9.19801	688.8	689.64	0	24-Hr	ALL	1st	2013	YES
504375	4858075	9.16107	695.83	695.83	0	24-Hr	ALL	1st	2013	YES
504425	4857775	9.11881	700.03	700.03	0	24-Hr	ALL	1st	2012	YES
504400	4858125	9.10744	697.53	697.53	0	24-Hr	ALL	1st	2015	YES
503625	4858125	9.06167	688.07	688.07	0	24-Hr	ALL	1st	2013	YES
503600	4858125	9.06069	688.28	688.28	0	24-Hr	ALL	1st	2013	YES
503800	4858500	9.01476	685.7	690.27	0	24-Hr	ALL	1st	2013	YES
504400	4858050	9.00704	695.03	695.03	0	24-Hr	ALL	1st	2014	YES
503900	4857750	8.99524	695.42	695.42	0	24-Hr	ALL	1st	2015	YES
504225	4857675	8.97123	697.09	697.09	0	24-Hr	ALL	1st	2011	YES
504400	4858150	8.92671	698.45	698.45	0	24-Hr	ALL	1st	2015	YES
503900	4857775	8.89232	694.98	694.98	0	24-Hr	ALL	1st	2015	YES
504500	4857700	8.88687	703.89	703.89	0	24-Hr	ALL	1st	2013	YES
503550	4858200	8.86944	686.39	690.12	0	24-Hr	ALL	1st	2013	YES
503575	4858075	8.83831	690.21	690.21	0	24-Hr	ALL	1st	2013	YES
504100	4857600	8.83778	697.42	697.42	0	24-Hr	ALL	1st	2011	YES
504100	4858500	8.80103	688.72	688.72	0	24-Hr	ALL	1st	2013	YES
504200	4857500	8.76944	700.44	701.55	0	24-Hr	ALL	1st	2014	YES
503665.7	4858017	8.76096	690.77	690.77	0	24-Hr	ALL	1st	2013	YES
503000	4859100	8.76013	692.3	692.3	0	24-Hr	ALL	1st	2013	YES
503950	4857675	8.75436	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
504375	4858175	8.75369	698.89	698.89	0	24-Hr	ALL	1st	2013	YES
503625	4858050	8.73344	689.62	689.62	0	24-Hr	ALL	1st	2013	YES
504250	4857675	8.73025	697.6	697.6	0	24-Hr	ALL	1st	2014	YES
504100	4858600	8.69831	692.32	692.32	0	24-Hr	ALL	1st	2013	YES
504400	4858075	8.68629	695.63	695.63	0	24-Hr	ALL	1st	2014	YES
503975	4857675	8.64849	696.04	696.04	0	24-Hr	ALL	1st	2015	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
504375	4858200	8.63211	699.36	699.36	0	24-Hr	ALL	1st	2013	YES
504425	4858075	8.62658	695.55	695.55	0	24-Hr	ALL	1st	2014	YES
503575	4858175	8.58071	686.51	686.51	0	24-Hr	ALL	1st	2013	YES
503600	4858150	8.56338	687.14	687.14	0	24-Hr	ALL	1st	2011	YES
503600	4858700	8.55338	690.9	690.9	0	24-Hr	ALL	1st	2012	YES
503900	4857700	8.46792	696.1	696.1	0	24-Hr	ALL	1st	2015	YES
504375	4858150	8.43634	698.4	698.4	0	24-Hr	ALL	1st	2013	YES
503200	4858800	8.40712	690.63	690.63	0	24-Hr	ALL	1st	2013	YES
504425	4858150	8.40591	698.43	698.43	0	24-Hr	ALL	1st	2015	YES
504600	4857900	8.39083	703.73	703.73	0	24-Hr	ALL	1st	2012	YES
503900	4857725	8.36028	695.8	695.8	0	24-Hr	ALL	1st	2011	YES
503550	4858075	8.35576	690.85	690.85	0	24-Hr	ALL	1st	2013	YES
503500	4858100	8.35017	691.85	691.85	0	24-Hr	ALL	1st	2013	YES
503896.3	4857777	8.34661	694.97	694.97	0	24-Hr	ALL	1st	2015	YES
504425	4858050	8.27911	695.13	695.13	0	24-Hr	ALL	1st	2013	YES
503650	4858025	8.27436	689.9	689.9	0	24-Hr	ALL	1st	2013	YES
503400	4858300	8.23694	690.68	690.68	0	24-Hr	ALL	1st	2013	YES
503700	4858700	8.22823	692.1	692.1	0	24-Hr	ALL	1st	2014	YES
504400	4858100	8.20548	696.48	696.48	0	24-Hr	ALL	1st	2013	YES
504200	4858500	8.18921	689.46	689.46	0	24-Hr	ALL	1st	2013	YES
503550	4858175	8.18778	688.28	689.03	0	24-Hr	ALL	1st	2011	YES
503100	4859100	8.18358	693.27	693.27	0	24-Hr	ALL	1st	2013	YES
503600	4858050	8.16779	689.97	689.97	0	24-Hr	ALL	1st	2013	YES
503550	4858150	8.16758	689.54	689.54	0	24-Hr	ALL	1st	2013	YES
503575	4858150	8.11476	688.08	688.08	0	24-Hr	ALL	1st	2011	YES
503600	4858800	8.09372	694.09	694.09	0	24-Hr	ALL	1st	2012	YES
504425	4858175	8.07401	699.44	699.44	0	24-Hr	ALL	1st	2015	YES
503875	4857675	8.07278	695.99	695.99	0	24-Hr	ALL	1st	2015	YES
504700	4858000	8.06499	704.31	704.31	0	24-Hr	ALL	1st	2015	YES
504400	4858200	8.00033	699.94	699.94	0	24-Hr	ALL	1st	2013	YES
504100	4858700	7.97423	690.74	697.23	0	24-Hr	ALL	1st	2013	YES
503500	4858200	7.9731	690.42	690.42	0	24-Hr	ALL	1st	2011	YES
503875	4857775	7.97165	695.02	695.02	0	24-Hr	ALL	1st	2011	YES
504000	4858500	7.9476	687.5	687.5	0	24-Hr	ALL	1st	2011	YES
503200	4859000	7.91638	694.2	694.2	0	24-Hr	ALL	1st	2013	YES
503875	4857700	7.87585	696.08	696.08	0	24-Hr	ALL	1st	2011	YES
503871.5	4857777	7.87532	694.97	694.97	0	24-Hr	ALL	1st	2011	YES
504400	4857600	7.79988	702.01	702.01	0	24-Hr	ALL	1st	2014	YES
504000	4857500	7.77382	698.32	698.32	0	24-Hr	ALL	1st	2014	YES
503300	4858400	7.76418	683.56	691.2	0	24-Hr	ALL	1st	2013	YES
503800	4858600	7.72531	689.38	689.78	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503800	4858700	7.71434	692.21	692.21	0	24-Hr	ALL	1st	2013	YES
504400	4858175	7.68185	699.21	699.21	0	24-Hr	ALL	1st	2013	YES
503625	4858025	7.66994	689.91	689.91	0	24-Hr	ALL	1st	2013	YES
503500	4858700	7.65059	687.22	689.49	0	24-Hr	ALL	1st	2013	YES
503875	4857750	7.64237	695.51	695.51	0	24-Hr	ALL	1st	2015	YES
503500	4858800	7.61634	689.01	689.01	0	24-Hr	ALL	1st	2011	YES
504425	4858100	7.59584	696.33	696.33	0	24-Hr	ALL	1st	2014	YES
503300	4858900	7.58578	692.62	692.62	0	24-Hr	ALL	1st	2013	YES
503300	4858200	7.51889	691.47	691.47	0	24-Hr	ALL	1st	2013	YES
503900	4858700	7.50114	692.1	692.1	0	24-Hr	ALL	1st	2011	YES
504425	4858125	7.49618	697.37	697.37	0	24-Hr	ALL	1st	2015	YES
503575	4858050	7.49401	690.58	690.58	0	24-Hr	ALL	1st	2013	YES
503850	4857675	7.49228	695.99	695.99	0	24-Hr	ALL	1st	2011	YES
503875	4857725	7.49106	695.9	695.9	0	24-Hr	ALL	1st	2015	YES
504500	4857600	7.4773	705.69	705.69	0	24-Hr	ALL	1st	2015	YES
503900	4858800	7.47192	694.76	694.76	0	24-Hr	ALL	1st	2011	YES
504400	4858500	7.46656	694.92	694.92	0	24-Hr	ALL	1st	2015	YES
503900	4858500	7.44538	686.29	691.81	0	24-Hr	ALL	1st	2013	YES
503400	4858800	7.43197	691.9	691.9	0	24-Hr	ALL	1st	2011	YES
503500	4858900	7.42766	689.56	696.67	0	24-Hr	ALL	1st	2012	YES
503100	4858900	7.41528	690.04	690.04	0	24-Hr	ALL	1st	2013	YES
503666.4	4857993	7.41315	691.26	691.26	0	24-Hr	ALL	1st	2013	YES
503200	4858500	7.39432	684.36	691.61	0	24-Hr	ALL	1st	2013	YES
504000	4858600	7.39372	688.74	688.74	0	24-Hr	ALL	1st	2015	YES
504100	4858800	7.35989	693.98	693.98	0	24-Hr	ALL	1st	2013	YES
504300	4858400	7.32104	696.6	696.6	0	24-Hr	ALL	1st	2015	YES
503500	4858400	7.29866	681.51	681.51	0	24-Hr	ALL	1st	2011	YES
503850	4857750	7.28293	695.41	695.41	0	24-Hr	ALL	1st	2011	YES
503650	4858000	7.27704	690.63	690.63	0	24-Hr	ALL	1st	2013	YES
503825	4857675	7.25565	696.03	696.03	0	24-Hr	ALL	1st	2011	YES
503850	4857700	7.24767	696.15	696.15	0	24-Hr	ALL	1st	2011	YES
504500	4857800	7.2315	702.37	702.37	0	24-Hr	ALL	1st	2013	YES
503600	4858025	7.22201	690.42	690.42	0	24-Hr	ALL	1st	2013	YES
503850	4857775	7.2192	694.86	694.86	0	24-Hr	ALL	1st	2011	YES
504700	4858100	7.2025	700.66	700.66	0	24-Hr	ALL	1st	2013	YES
503400	4858500	7.18375	685.25	685.25	0	24-Hr	ALL	1st	2011	YES
504000	4858700	7.13681	691.41	691.41	0	24-Hr	ALL	1st	2015	YES
503900	4858600	7.10785	689.32	689.67	0	24-Hr	ALL	1st	2011	YES
504000	4857400	7.08787	701.52	701.52	0	24-Hr	ALL	1st	2014	YES
504200	4858600	7.0873	696.54	696.54	0	24-Hr	ALL	1st	2012	YES
503800	4857600	7.05406	695.48	695.48	0	24-Hr	ALL	1st	2015	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503550	4858050	7.03628	691.24	691.24	0	24-Hr	ALL	1st	2013	YES
503400	4858200	7.03393	691.2	691.2	0	24-Hr	ALL	1st	2013	YES
503846.7	4857777	7.03123	694.81	694.81	0	24-Hr	ALL	1st	2013	YES
504425	4858200	7.01607	700.3	700.3	0	24-Hr	ALL	1st	2013	YES
503200	4858700	7.01599	690.6	690.6	0	24-Hr	ALL	1st	2011	YES
503200	4858200	7.00822	691.82	691.82	0	24-Hr	ALL	1st	2013	YES
503600	4858900	6.9412	696.08	696.08	0	24-Hr	ALL	1st	2014	YES
503825	4857750	6.92687	695.18	695.18	0	24-Hr	ALL	1st	2011	YES
504500	4858100	6.92671	696.08	696.08	0	24-Hr	ALL	1st	2014	YES
503850	4857725	6.91263	695.95	695.95	0	24-Hr	ALL	1st	2011	YES
503900	4857400	6.90141	700.95	700.95	0	24-Hr	ALL	1st	2013	YES
503825	4857725	6.88928	695.71	695.71	0	24-Hr	ALL	1st	2011	YES
503000	4859000	6.88572	692.11	692.11	0	24-Hr	ALL	1st	2013	YES
503800	4857725	6.88528	695.13	695.13	0	24-Hr	ALL	1st	2011	YES
504400	4858400	6.88463	700.22	700.22	0	24-Hr	ALL	1st	2014	YES
503800	4857675	6.87008	695.19	695.19	0	24-Hr	ALL	1st	2011	YES
503500	4859000	6.86715	689.73	696.88	0	24-Hr	ALL	1st	2014	YES
504600	4858100	6.86694	697.67	697.67	0	24-Hr	ALL	1st	2013	YES
503825	4857700	6.84374	696.1	696.1	0	24-Hr	ALL	1st	2011	YES
503625	4858000	6.81681	690.6	690.6	0	24-Hr	ALL	1st	2013	YES
503575	4858025	6.81326	691	691	0	24-Hr	ALL	1st	2013	YES
504400	4858300	6.77853	701.53	701.53	0	24-Hr	ALL	1st	2013	YES
503300	4858500	6.75088	679.48	690.82	0	24-Hr	ALL	1st	2013	YES
503775	4857700	6.74495	694.48	694.48	0	24-Hr	ALL	1st	2011	YES
503000	4858700	6.741	690.07	690.07	0	24-Hr	ALL	1st	2012	YES
503900	4857600	6.73843	695.98	695.98	0	24-Hr	ALL	1st	2015	YES
503700	4858800	6.73343	694.6	694.6	0	24-Hr	ALL	1st	2013	YES
503668.7	4857921	6.72607	692.74	692.74	0	24-Hr	ALL	1st	2011	YES
504300	4857400	6.709	702.44	702.44	0	24-Hr	ALL	1st	2011	YES
503800	4857700	6.7058	695.42	695.42	0	24-Hr	ALL	1st	2011	YES
504100	4858900	6.6991	696.71	696.71	0	24-Hr	ALL	1st	2013	YES
503650	4857875	6.69488	692.35	692.35	0	24-Hr	ALL	1st	2013	YES
504700	4857900	6.67244	706.86	706.86	0	24-Hr	ALL	1st	2012	YES
503625	4857875	6.66977	691.21	691.21	0	24-Hr	ALL	1st	2013	YES
503900	4858900	6.65103	696.42	696.42	0	24-Hr	ALL	1st	2011	YES
503670.9	4857850	6.62885	692.43	692.43	0	24-Hr	ALL	1st	2013	YES
503670.1	4857873	6.60938	692.87	692.87	0	24-Hr	ALL	1st	2013	YES
503775	4857675	6.5997	694.32	694.32	0	24-Hr	ALL	1st	2011	YES
504300	4857500	6.59956	702.02	702.02	0	24-Hr	ALL	1st	2011	YES
503300	4858600	6.5809	684.79	690.73	0	24-Hr	ALL	1st	2011	YES
504100	4857500	6.57521	699.94	699.94	0	24-Hr	ALL	1st	2011	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503825	4857775	6.57164	694.68	694.68	0	24-Hr	ALL	1st	2013	YES
504300	4858600	6.56583	694.86	694.86	0	24-Hr	ALL	1st	2015	YES
503750	4857675	6.55501	694.18	694.18	0	24-Hr	ALL	1st	2011	YES
503400	4859100	6.5485	696.56	696.56	0	24-Hr	ALL	1st	2012	YES
503400	4858900	6.54165	696.3	696.3	0	24-Hr	ALL	1st	2011	YES
504200	4857400	6.53504	701.96	701.96	0	24-Hr	ALL	1st	2014	YES
504800	4858000	6.53479	707.3	707.3	0	24-Hr	ALL	1st	2015	YES
503600	4857875	6.53476	691.37	691.37	0	24-Hr	ALL	1st	2013	YES
503650	4857925	6.52646	692.83	692.83	0	24-Hr	ALL	1st	2011	YES
503821.9	4857777	6.51324	694.63	694.63	0	24-Hr	ALL	1st	2013	YES
504600	4857600	6.513	710.54	726.25	0	24-Hr	ALL	1st	2014	YES
503650	4857825	6.50831	691.8	691.8	0	24-Hr	ALL	1st	2013	YES
504300	4858500	6.47826	695.97	695.97	0	24-Hr	ALL	1st	2015	YES
503671.6	4857826	6.46832	692.33	692.33	0	24-Hr	ALL	1st	2013	YES
503667.9	4857945	6.46139	692.42	692.42	0	24-Hr	ALL	1st	2011	YES
503625	4857825	6.45179	691.62	691.62	0	24-Hr	ALL	1st	2013	YES
503400	4858100	6.43384	692.54	692.54	0	24-Hr	ALL	1st	2013	YES
504000	4858800	6.41994	694.4	694.4	0	24-Hr	ALL	1st	2015	YES
503700	4857600	6.41256	695.17	695.17	0	24-Hr	ALL	1st	2011	YES
503900	4857500	6.3996	698.3	698.3	0	24-Hr	ALL	1st	2013	YES
503550	4858025	6.3972	691.58	691.58	0	24-Hr	ALL	1st	2013	YES
503669.4	4857897	6.3894	692.88	692.88	0	24-Hr	ALL	1st	2013	YES
503600	4858000	6.37637	691.12	691.12	0	24-Hr	ALL	1st	2013	YES
503650	4857850	6.35499	691.55	691.55	0	24-Hr	ALL	1st	2013	YES
504600	4857800	6.35375	704.3	704.3	0	24-Hr	ALL	1st	2014	YES
503625	4857925	6.33599	692.3	692.3	0	24-Hr	ALL	1st	2011	YES
503667.2	4857969	6.33516	691.82	691.82	0	24-Hr	ALL	1st	2011	YES
503575	4857875	6.31632	692.18	692.18	0	24-Hr	ALL	1st	2013	YES
503100	4858800	6.30892	688.45	688.45	0	24-Hr	ALL	1st	2011	YES
503600	4857825	6.29519	691.82	691.82	0	24-Hr	ALL	1st	2013	YES
504500	4858200	6.27661	700.77	700.77	0	24-Hr	ALL	1st	2015	YES
504200	4858700	6.26154	695.96	695.96	0	24-Hr	ALL	1st	2012	YES
503800	4858800	6.22257	694.69	694.69	0	24-Hr	ALL	1st	2013	YES
502900	4859100	6.21904	691.06	691.06	0	24-Hr	ALL	1st	2013	YES
503200	4858400	6.20853	691.4	691.4	0	24-Hr	ALL	1st	2012	YES
503000	4858300	6.20253	690.93	690.93	0	24-Hr	ALL	1st	2013	YES
503775	4857725	6.20205	694.47	694.47	0	24-Hr	ALL	1st	2011	YES
503750	4857700	6.17994	694.18	694.18	0	24-Hr	ALL	1st	2011	YES
503725	4857675	6.16809	694.29	694.29	0	24-Hr	ALL	1st	2011	YES
503300	4858300	6.16155	690.18	690.18	0	24-Hr	ALL	1st	2011	YES
504100	4859000	6.15756	697.97	697.97	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503300	4859000	6.15615	695.97	695.97	0	24-Hr	ALL	1st	2013	YES
503400	4859000	6.15607	696.46	696.46	0	24-Hr	ALL	1st	2011	YES
504300	4857600	6.12938	699.72	699.72	0	24-Hr	ALL	1st	2013	YES
503650	4857975	6.11032	691.4	691.4	0	24-Hr	ALL	1st	2013	YES
503600	4857925	6.11006	692.28	692.28	0	24-Hr	ALL	1st	2011	YES
503650	4857950	6.10868	692.48	692.48	0	24-Hr	ALL	1st	2011	YES
504000	4857300	6.10447	702.37	702.37	0	24-Hr	ALL	1st	2011	YES
503575	4857825	6.10322	692.08	692.08	0	24-Hr	ALL	1st	2013	YES
503625	4857800	6.09749	692.33	692.33	0	24-Hr	ALL	1st	2013	YES
503000	4858900	6.0947	691.46	691.46	0	24-Hr	ALL	1st	2011	YES
503550	4857875	6.08889	692.51	692.51	0	24-Hr	ALL	1st	2013	YES
504300	4858800	6.08802	695.79	695.79	0	24-Hr	ALL	1st	2013	YES
503575	4858000	6.07878	691.61	691.61	0	24-Hr	ALL	1st	2013	YES
503100	4858500	6.06691	690.54	690.54	0	24-Hr	ALL	1st	2013	YES
503500	4859100	6.06309	696.79	696.79	0	24-Hr	ALL	1st	2014	YES
504600	4857700	6.05962	707.54	707.54	0	24-Hr	ALL	1st	2013	YES
502900	4858700	6.05343	689.2	690.07	0	24-Hr	ALL	1st	2012	YES
503800	4857750	6.04796	694.76	694.76	0	24-Hr	ALL	1st	2011	YES
503650	4857900	6.04202	692.71	692.71	0	24-Hr	ALL	1st	2011	YES
503575	4857800	6.04075	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
502900	4858800	6.03442	691.01	691.01	0	24-Hr	ALL	1st	2012	YES
503700	4857500	6.01731	696.14	696.14	0	24-Hr	ALL	1st	2015	YES
503550	4857800	6.01616	692.41	692.41	0	24-Hr	ALL	1st	2013	YES
503750	4857775	6.01133	693.62	693.62	0	24-Hr	ALL	1st	2015	YES
503747.5	4857777	6.00976	693.55	693.55	0	24-Hr	ALL	1st	2015	YES
503600	4857500	6.00325	695.79	695.79	0	24-Hr	ALL	1st	2011	YES
503100	4858600	5.99507	677.56	691.59	0	24-Hr	ALL	1st	2012	YES
504300	4858700	5.99503	696.13	696.13	0	24-Hr	ALL	1st	2013	YES
504800	4858100	5.99088	704.13	704.13	0	24-Hr	ALL	1st	2013	YES
503600	4857800	5.99028	692.24	692.24	0	24-Hr	ALL	1st	2013	YES
504400	4858600	5.98867	695.64	695.64	0	24-Hr	ALL	1st	2015	YES
503600	4859000	5.98522	692.67	696.28	0	24-Hr	ALL	1st	2013	YES
504500	4858600	5.96277	697.3	697.3	0	24-Hr	ALL	1st	2014	YES
503625	4857900	5.95728	691.16	691.16	0	24-Hr	ALL	1st	2011	YES
503672.4	4857802	5.95354	692.68	692.68	0	24-Hr	ALL	1st	2013	YES
502900	4858300	5.95218	691.19	691.19	0	24-Hr	ALL	1st	2013	YES
502800	4858800	5.94646	690.87	690.87	0	24-Hr	ALL	1st	2012	YES
503772.3	4857777	5.9454	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
503625	4857850	5.94527	691.33	691.33	0	24-Hr	ALL	1st	2013	YES
503650	4857800	5.94315	692.48	692.48	0	24-Hr	ALL	1st	2013	YES
504500	4858300	5.93569	703.53	703.53	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503700	4859000	5.92318	694.86	694.86	0	24-Hr	ALL	1st	2013	YES
503700	4857750	5.91907	693.73	693.73	0	24-Hr	ALL	1st	2015	YES
503700	4858900	5.90771	696.1	696.1	0	24-Hr	ALL	1st	2013	YES
503550	4857850	5.90601	692.48	692.48	0	24-Hr	ALL	1st	2013	YES
503200	4859100	5.902	694.61	694.61	0	24-Hr	ALL	1st	2013	YES
503775	4857775	5.89079	694.12	694.12	0	24-Hr	ALL	1st	2015	YES
503725	4857750	5.8871	693.78	693.78	0	24-Hr	ALL	1st	2015	YES
503575	4857850	5.88098	692.04	692.04	0	24-Hr	ALL	1st	2013	YES
503722.7	4857778	5.88036	693.28	693.28	0	24-Hr	ALL	1st	2015	YES
503575	4857925	5.87436	692.47	692.47	0	24-Hr	ALL	1st	2011	YES
503725	4857775	5.87273	693.4	693.4	0	24-Hr	ALL	1st	2015	YES
504500	4858700	5.87171	700.42	700.42	0	24-Hr	ALL	1st	2015	YES
503800	4857775	5.86386	694.49	694.49	0	24-Hr	ALL	1st	2013	YES
503625	4857950	5.85071	692.61	692.61	0	24-Hr	ALL	1st	2014	YES
504200	4858800	5.84995	693.51	693.51	0	24-Hr	ALL	1st	2013	YES
503550	4857825	5.80982	692.37	692.37	0	24-Hr	ALL	1st	2013	YES
504000	4858900	5.79051	696.22	696.22	0	24-Hr	ALL	1st	2015	YES
503797.1	4857777	5.78756	694.43	694.43	0	24-Hr	ALL	1st	2013	YES
503650	4857725	5.7826	693.88	693.88	0	24-Hr	ALL	1st	2015	YES
503500	4857800	5.77399	692.43	692.43	0	24-Hr	ALL	1st	2013	YES
503600	4857850	5.76434	691.54	691.54	0	24-Hr	ALL	1st	2013	YES
503675	4857725	5.74082	693.99	693.99	0	24-Hr	ALL	1st	2015	YES
503625	4857975	5.73622	691.49	691.49	0	24-Hr	ALL	1st	2013	YES
503200	4858600	5.72791	681.34	690.28	0	24-Hr	ALL	1st	2012	YES
503675	4857750	5.71019	693.58	693.58	0	24-Hr	ALL	1st	2015	YES
503300	4859100	5.70947	695.86	695.86	0	24-Hr	ALL	1st	2011	YES
503800	4857500	5.69451	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
503600	4857950	5.6913	692.28	692.28	0	24-Hr	ALL	1st	2014	YES
502700	4858900	5.68242	691.66	691.66	0	24-Hr	ALL	1st	2012	YES
503600	4857900	5.68193	691.54	691.54	0	24-Hr	ALL	1st	2011	YES
503697.9	4857778	5.68037	693.26	693.26	0	24-Hr	ALL	1st	2013	YES
503550	4858000	5.67493	691.95	691.95	0	24-Hr	ALL	1st	2013	YES
503550	4857925	5.67452	692.43	692.43	0	24-Hr	ALL	1st	2014	YES
503700	4857775	5.66136	693.3	693.3	0	24-Hr	ALL	1st	2013	YES
503550	4857775	5.64702	692.66	692.66	0	24-Hr	ALL	1st	2013	YES
503200	4858300	5.64405	691.56	691.56	0	24-Hr	ALL	1st	2012	YES
503900	4859000	5.64252	697.26	697.26	0	24-Hr	ALL	1st	2011	YES
504100	4859100	5.6369	699.19	699.19	0	24-Hr	ALL	1st	2013	YES
503750	4857750	5.62428	694.03	694.03	0	24-Hr	ALL	1st	2015	YES
502900	4859000	5.60745	690.66	690.66	0	24-Hr	ALL	1st	2011	YES
503625	4857700	5.59853	694.1	694.1	0	24-Hr	ALL	1st	2015	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503600	4857700	5.58945	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
503100	4858200	5.57669	691.73	691.73	0	24-Hr	ALL	1st	2013	YES
503673.1	4857778	5.57211	693.15	693.15	0	24-Hr	ALL	1st	2013	YES
503625	4857725	5.57135	693.7	693.7	0	24-Hr	ALL	1st	2015	YES
504500	4858400	5.55751	701.72	701.72	0	24-Hr	ALL	1st	2013	YES
503675	4857775	5.55601	693.2	693.2	0	24-Hr	ALL	1st	2013	YES
503600	4857775	5.53748	692.71	692.71	0	24-Hr	ALL	1st	2013	YES
503575	4857775	5.52768	692.62	692.62	0	24-Hr	ALL	1st	2013	YES
503575	4857900	5.5093	692.44	692.44	0	24-Hr	ALL	1st	2011	YES
503575	4857950	5.50031	692.39	692.39	0	24-Hr	ALL	1st	2014	YES
503625	4857775	5.49127	692.91	692.91	0	24-Hr	ALL	1st	2013	YES
503700	4857725	5.48666	694	694	0	24-Hr	ALL	1st	2015	YES
503600	4857975	5.48184	691.81	691.81	0	24-Hr	ALL	1st	2013	YES
504300	4858900	5.47661	695.52	695.52	0	24-Hr	ALL	1st	2013	YES
504600	4858200	5.46947	699.04	699.04	0	24-Hr	ALL	1st	2014	YES
503650	4857750	5.45239	693.51	693.51	0	24-Hr	ALL	1st	2013	YES
503100	4858300	5.45071	689.69	689.69	0	24-Hr	ALL	1st	2013	YES
504000	4857200	5.4309	702.31	702.31	0	24-Hr	ALL	1st	2011	YES
503550	4857675	5.42895	694.05	694.05	0	24-Hr	ALL	1st	2015	YES
503575	4857700	5.40746	693.93	693.93	0	24-Hr	ALL	1st	2015	YES
503800	4857200	5.4062	702.26	702.26	0	24-Hr	ALL	1st	2013	YES
503625	4857750	5.38613	693.37	693.37	0	24-Hr	ALL	1st	2013	YES
503550	4857900	5.35779	692.6	692.6	0	24-Hr	ALL	1st	2011	YES
503575	4857675	5.35291	694.24	694.24	0	24-Hr	ALL	1st	2015	YES
503800	4859100	5.3457	696.32	696.32	0	24-Hr	ALL	1st	2011	YES
504000	4859000	5.34117	697.53	697.53	0	24-Hr	ALL	1st	2015	YES
504600	4858400	5.33694	701.54	701.54	0	24-Hr	ALL	1st	2013	YES
503550	4857950	5.33299	692.38	692.38	0	24-Hr	ALL	1st	2014	YES
504800	4857900	5.32873	710.56	710.56	0	24-Hr	ALL	1st	2012	YES
503650	4857775	5.32437	693.06	693.06	0	24-Hr	ALL	1st	2013	YES
503775	4857750	5.32009	694.27	694.27	0	24-Hr	ALL	1st	2013	YES
503000	4858800	5.2969	690.9	690.9	0	24-Hr	ALL	1st	2013	YES
504200	4858900	5.29483	693.67	693.67	0	24-Hr	ALL	1st	2013	YES
503700	4859100	5.28475	695.92	695.92	0	24-Hr	ALL	1st	2013	YES
504700	4857800	5.27658	708.71	708.71	0	24-Hr	ALL	1st	2014	YES
503700	4857675	5.25879	694.45	694.45	0	24-Hr	ALL	1st	2011	YES
503650	4857700	5.25807	694.22	694.22	0	24-Hr	ALL	1st	2015	YES
504700	4858200	5.25328	698.92	698.92	0	24-Hr	ALL	1st	2014	YES
503500	4857400	5.23604	697.09	697.09	0	24-Hr	ALL	1st	2015	YES
503575	4857725	5.23193	693.47	693.47	0	24-Hr	ALL	1st	2013	YES
503575	4857975	5.23015	692.02	692.02	0	24-Hr	ALL	1st	2013	YES

Scenario 2, 24-hour PM 10

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	.GRF file met year	NAAQS Receptor?
503500	4857500	5.22448	695.79	695.79	0	24-Hr	ALL	1st	2011	YES
503600	4857725	5.22427	693.7	693.7	0	24-Hr	ALL	1st	2013	YES
503600	4857750	5.20498	693.24	693.24	0	24-Hr	ALL	1st	2013	YES
504600	4858500	5.18471	697.16	697.16	0	24-Hr	ALL	1st	2013	YES
503400	4857400	5.18289	697.09	697.09	0	24-Hr	ALL	1st	2011	YES
502600	4859000	5.17617	691.6	691.6	0	24-Hr	ALL	1st	2012	YES
503600	4857400	5.15296	696.7	696.7	0	24-Hr	ALL	1st	2015	YES
503500	4857900	5.15273	692.1	692.1	0	24-Hr	ALL	1st	2011	YES
503725	4857725	5.12478	694.04	694.04	0	24-Hr	ALL	1st	2015	YES
502800	4859100	5.10536	689.76	689.76	0	24-Hr	ALL	1st	2011	YES
503500	4858000	5.09066	692.67	692.67	0	24-Hr	ALL	1st	2013	YES
504100	4857400	5.07228	702.06	702.06	0	24-Hr	ALL	1st	2011	YES
503550	4857975	5.06045	692.23	692.23	0	24-Hr	ALL	1st	2013	YES
504600	4858300	5.05292	702.77	702.77	0	24-Hr	ALL	1st	2015	YES
503550	4857700	5.05226	693.73	693.73	0	24-Hr	ALL	1st	2015	YES
503725	4857700	5.04986	694.12	694.12	0	24-Hr	ALL	1st	2011	YES
504400	4858800	5.04324	695.86	695.86	0	24-Hr	ALL	1st	2015	YES
503600	4857675	5.04025	694.35	694.35	0	24-Hr	ALL	1st	2015	YES
503700	4857400	5.03901	697.06	697.06	0	24-Hr	ALL	1st	2011	YES
503550	4857725	5.03225	693.5	693.5	0	24-Hr	ALL	1st	2013	YES
502600	4858900	5.03215	690.93	690.93	0	24-Hr	ALL	1st	2012	YES
504600	4858900	5.01787	701.39	701.39	0	24-Hr	ALL	1st	2015	YES
503800	4859000	5.00048	695.86	695.86	0	24-Hr	ALL	1st	2011	YES