



Air Quality Permitting Statement of Basis

July 6, 2004

Permit to Construct No. P-040302

Jack B. Parson Companies, Portable

Facility ID No. 777-00340

Prepared by:

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AIR QUALITY DIVISION**

FINAL

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Acronyms, Units, and Chemical Nomenclatures

AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
CO	carbon monoxide
cy/hr	cubic yards per hour
cy/yr	cubic yards per year
DEQ	Department of Environmental Quality
HAPs	Hazardous Air Pollutants
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
JBP	Jack B. Parson Companies
lb/hr	pound per hour
MACT	Maximum Achievable Control Technology
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PSD	Prevention of Significant Deterioration
PTC	permit to construct
Rules	Rules for the Control of Air Pollution in Idaho
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO ₂	sulfur dioxide
T/yr	tons per year
µg/m ³	micrograms per cubic meter
UTM	Universal Transverse Mercator
VOC	volatile organic compound

1. PURPOSE

The purpose for this memorandum is to satisfy the requirements of IDAPA 58.01.01.200, Rules for the Control of Air Pollution in Idaho, for issuing permits to construct (PTC).

2. FACILITY DESCRIPTION

This facility is a portable concrete batch plant. The facility discharges aggregates, cement, and water into cement trucks for transport to a job site. The concrete is mixed in the truck on the way to the job site.

3. FACILITY / AREA CLASSIFICATION

The Jack B. Parson Companies' (JBP) facility is defined as a natural minor facility because without permit limits on the potential to emit, the emissions of any single pollutant will not exceed 100 tons per year. The AIRS classification is "B" because the potential to emit does not exceed any major source levels.

The facility is a portable source that may be operated anywhere within the state of Idaho, including PM₁₀ nonattainment areas.

The AIRS information provided in Appendix C defines the classification for each regulated air pollutant at JBP.

4. APPLICATION SCOPE

The applicant requested a PTC for a new portable concrete batch plant.

4.1 *Application Chronology*

March 15, 2004	DEQ received a PTC application from JBP
April 12, 2004	DEQ determined the application complete
May 27, 2004	DEQ issued JBP a draft permit to construct

5. PERMIT ANALYSIS

This section of the Statement of Basis describes the regulatory requirements for this PTC action:

5.1 *Equipment Listing*

The equipment in this permit application is a portable concrete batch plant. The permit is designed to allow the use of various concrete batching equipment. The equipment used under this permit must meet the following specifications:

- Maximum production capacity shall not exceed 200 yd³/hr
- Maximum storage silo capacity shall not exceed 400 tons
- Storage silo baghouse stack height shall be at least 40 feet
- Storage silo baghouse stack exhaust flow rate shall be at least 1,000 cubic feet per minute (cfm)

- Storage silo baghouse efficiency shall be at least 99%
- Maximum storage silo baghouse stack diameter shall not exceed 2 feet
- Batching baghouse stack height shall be at least 11 feet
- Batching baghouse stack exhaust flow rate shall be at least 4,000 cfm
- Maximum batching baghouse stack diameter shall not exceed 2 feet
- Batching baghouse efficiency shall be at least 99%

5.2 Emissions Inventory

The point source emissions from the concrete batch plant were estimated using AP-42 emissions factors. The hourly PM₁₀ emissions estimate from the cement storage silo is a 24-hour average emissions rate assuming the entire silo is filled in one day with 400 tons of cement and supplement. The annual PM₁₀ emissions rate is based on the maximum annual concrete production and is based on the facility producing 200,000 yd³/yr. The emissions rates from weigh hopper loading were estimated using the maximum hourly and annual concrete production rates. The weigh hopper loading emissions estimates assume a 99% baghouse control efficiency. A copy of the emissions inventory is contained in Appendix A. The following table is a summary of the facility's emissions:

Table 5.1 CONCRETE BATCH PLANT EMISSIONS SUMMARY

Weigh Hopper Loading Emissions			
	Emission Factor	Emission Rates	
	lb/yd³	lb/hr	T/yr
PM ₁₀	0.0038	0.0097	0.0048
Storage Silo Loading Emissions			
24-hour Average Emissions Rate			
	Emission Factor	Emission Rate	
	lb/Ton	lb/hr	
PM ₁₀	0.00524	0.087	
Storage Silo Loading Emissions			
Annual Average Emissions Rate			
	Emission Factor	Emission Rate	
	lb/yd³	T/yr	
PM ₁₀	0.0003	0.03	

5.3 Modeling

Dispersion modeling was conducted for the storage silo baghouse and the weigh hopper baghouse using the Screen3 model. Each emissions point was modeled separately and the maximum impacts from each emissions point were summed to conservatively estimate the maximum PM₁₀ concentrations.

The 24-hour PM₁₀ concentrations were estimated by adding the maximum impact from storage silo loading and concrete batching. The analysis assumes that the plant produces 3,000 cy/day. The annual PM₁₀ impacts were estimated by assuming that the plant produces 200,000 cy/yr.

The emissions rate used to estimate the 24-hour impacts is the average hourly emissions rate over an entire day assuming the storage silo is filled once that day. The emissions rate used to estimate the annual concentrations is the average hourly emissions rate over the entire year for the storage silo and the maximum rate for the weigh hopper. The resulting impacts were within the 24-hour and annual NAAQS for PM₁₀. The Screen3 model output is included in Appendix B. The following table is a summary of the PM₁₀ ambient impacts:

Table 5.2 SUMMARY SCREEN3 MODEL OUTPUT

Screen3 Modeled Concentrations		
	24-hr ($\mu\text{g}/\text{m}^3$)	Annual ($\mu\text{g}/\text{m}^3$)
Weigh Hopper Loading	0.56	.112
Cement Silo Loading	2.7	0.043
Statewide Background Concentration	100	32.7
Total	103.3	32.8
NAAQS	150	50

The 24-hour and annual PM₁₀ impacts are less than the significant level of 5 $\mu\text{g}/\text{m}^3$ and 1 $\mu\text{g}/\text{m}^3$, respectively. Therefore, this facility is allowed to operate in PM₁₀ nonattainment areas with the same operating limits as attainment areas.

5.4 Regulatory Review

This section describes the regulatory analysis of the applicable air quality rules with respect to this PTC.

IDAPA 58.01.01.201..... Permit to Construct Required

This facility is constructing pollution emitting equipment which requires a PTC.

5.5 Fee Review

This permit action is subject to a \$1,000 application fee in accordance with IDAPA 58.01.01.224. This permit action is also subject to a processing fee of \$500 for a general permit in accordance with IDAPA 58.01.01.225. DEQ received both the application fee and processing fee on March 15, 2004.

6. PERMIT CONDITIONS

- 6.1 Permit Condition 2.1 limits the opacity of all visible emissions from any stack, vent, or other functionally equivalent opening to no more than 20% for a period or periods exceeding three minutes in any 60-minute period. The permittee is required to develop an operations and maintenance (O&M) manual that contains a maintenance schedule and the manufacturer specifications for pressure drop. The permittee will show compliance with the visible emissions limit by monitoring and recording the pressure drop across the weigh hopper baghouse once per week while the batch plant is operating and by monitoring and recording the pressure drop across the storage silo baghouse once per month during months when the storage silo is filled.
- 6.2 Permit Condition 2.2 requires the facility to reasonably control fugitive emissions. The permit condition contains various methods that are to be used, where practical to prevent particulate matter from becoming airborne. The permittee will show compliance with this requirement by conducting weekly facility-wide inspections of potential fugitive emissions sources. The permittee is required to record the periodic methods used to control fugitive emissions.

- 6.3 Permit Condition 2.8 requires the permittee to register the concrete batch plant with DEQ at least 10 days prior to relocation.
- 6.4 Permit Conditions 3.1 and 4.1 limit the facility's daily concrete production to 3,000 cy/day. Permit Conditions 3.1 and 4.1 also limits the facility's annual concrete production to 200,000 cubic yards per year (cy/yr). This is the annual production rate that the permittee requested. The permittee will show compliance with these limits by monitoring and recording the concrete production on a daily and monthly basis and summing the concrete production over the most recent 12-month period.

7. PUBLIC COMMENT

An opportunity for public comment on the PTC application was provided, in accordance with IDAPA 58.01.01.209.01.c., from April 19, 2004 to May 19, 2004. During this time, there were no comments on the application and no requests for a public comment period on DEQ's proposed action.

8. FACILITY DRAFT

On May 27, 2004 DEQ issued a draft PTC to JBP. JBP provided comments on the draft and requested that the permit be modified to allow for the use of any concrete batch plant that meets the specifications shown in the equipment listing. DEQ modified the permit and technical analysis to accommodate multiple plant configurations. The facility draft was also provided to DEQ's Pocatello regional office for review. The Pocatello regional office did not provide any comments.

9. RECOMMENDATION

Based on review of application materials, and all applicable state and federal rules and regulations, staff recommend that JBP be issued PTC No. P-040302 for the portable concrete batch plant. No public comment period is recommended, no entity has requested a comment period, and the project does not involve PSD requirements.

DH/sd

Permit No. P-040302

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APPENDIX A
Emissions Inventory

Emissions Calculation for Portable Concrete Batch Plants

Permit No.: P-040302
 Facility ID: 777-00340
 Company: Jack B. Parson Companies
 Source Type: Portable Concrete Batch Plant
 Manufacturer: Ross

Maximum Hourly Production Rate:* 200 yd³/hr
 Annual Production Rate:* 200,000 yd³/yr
 Cement Storage Silo Capacity:* 400 Tons

Weigh Hopper Loading Emissions			
	Emission Factor ^a	Emission Rate	
	lb/yd ³	lb/hr	T/yr
PM ₁₀	0.0038	0.76	0.38

Storage Silo Loading 24-hour Average Emissions		
	Emission Factor ^b	Emission Rate
	lb/Ton	lb/hr
PM ₁₀	0.00524	0.09

Storage Silo Loading Annual Average Emissions		
	Emission Factor ^c	Emission Rate
	lb/yd ³	T/yr
PM ₁₀	0.0003	0.030

^a Emission factor for weigh hopper loading from AP-42 Table 11.12-4.

^b Emission factor for storage silo loading is the sum of the emissions factors for cement delivery to silo and for cement supplement delivery to silo in AP-42 Table 11.12-2. This is because both the cement and supplement are stored in the same silo.

^c Emission factor for annual storage silo loading is the sum of the emissions factors for cement delivery to silo and for cement supplement delivery to silo in AP-42 Table 11.12-4.

* Required input for calculations

Notes:

1. Hourly emissions from the cement storage silo are based on the capacity, in tons, of the silo averaged over a 24-hour period. The emissions estimate assumes the silo is filled completely within a 24-hour period.
2. The annual emissions from the storage silo are based on the annual concrete production of the batch plant.

APPENDIX B
Screen3 Model Output

07/06/04
10:52:26

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 96043 ***

Jack B. Parson Companies Silo Annual

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = 0.900000E-03
STACK HEIGHT (M) = 12.1920
STK INSIDE DIAM (M) = 0.6096
STK EXIT VELOCITY (M/S) = 1.6169
STK GAS EXIT TEMP (K) = 293.1500
AMBIENT AIR TEMP (K) = 293.1500
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
BUILDING HEIGHT (M) = 0.0000
MIN HORIZ BLDG DIM (M) = 0.0000
MAX HORIZ BLDG DIM (M) = 0.0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 0.243 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	0.000	1	1.0	1.0	320.0	15.11	0.49	0.32	NO
100.	0.5024	2	1.0	1.0	320.0	15.11	19.28	10.64	NO
200.	0.4751	3	1.0	1.0	320.0	15.09	23.63	14.05	NO
300.	0.4685	4	1.0	1.0	320.0	15.06	22.63	12.12	NO
400.	0.4325	5	1.0	1.1	10000.0	14.95	22.03	10.84	NO
500.	0.3909	5	1.0	1.1	10000.0	14.95	27.03	12.83	NO
600.	0.3910	6	1.0	1.1	10000.0	14.78	21.25	9.72	NO
700.	0.3856	6	1.0	1.1	10000.0	14.78	24.47	10.96	NO
800.	0.3626	6	1.0	1.1	10000.0	14.78	27.65	12.00	NO
900.	0.3363	6	1.0	1.1	10000.0	14.78	30.79	13.00	NO
1000.	0.3100	6	1.0	1.1	10000.0	14.78	33.89	13.97	NO
1100.	0.2851	6	1.0	1.1	10000.0	14.78	36.97	14.84	NO
1200.	0.2625	6	1.0	1.1	10000.0	14.78	40.02	15.68	NO
1300.	0.2421	6	1.0	1.1	10000.0	14.78	43.05	16.49	NO
1400.	0.2239	6	1.0	1.1	10000.0	14.78	46.05	17.28	NO
1500.	0.2076	6	1.0	1.1	10000.0	14.78	49.04	18.05	NO
1600.	0.1929	6	1.0	1.1	10000.0	14.78	52.00	18.80	NO
1700.	0.1798	6	1.0	1.1	10000.0	14.78	54.94	19.53	NO
1800.	0.1679	6	1.0	1.1	10000.0	14.78	57.87	20.25	NO

1900.	0.1573	6	1.0	1.1	10000.0	14.78	60.78	20.95	NO
2000.	0.1476	6	1.0	1.1	10000.0	14.78	63.68	21.64	NO
2100.	0.1392	6	1.0	1.1	10000.0	14.78	66.56	22.22	NO
2200.	0.1315	6	1.0	1.1	10000.0	14.78	69.43	22.79	NO
2300.	0.1246	6	1.0	1.1	10000.0	14.78	72.28	23.35	NO
2400.	0.1182	6	1.0	1.1	10000.0	14.78	75.12	23.90	NO
2500.	0.1123	6	1.0	1.1	10000.0	14.78	77.95	24.44	NO
2600.	0.1069	6	1.0	1.1	10000.0	14.78	80.77	24.96	NO
2700.	0.1019	6	1.0	1.1	10000.0	14.78	83.57	25.48	NO
2800.	0.9735E-01	6	1.0	1.1	10000.0	14.78	86.37	25.99	NO
2900.	0.9308E-01	6	1.0	1.1	10000.0	14.78	89.15	26.49	NO
3000.	0.8913E-01	6	1.0	1.1	10000.0	14.78	91.93	26.99	NO
3500.	0.7365E-01	6	1.0	1.1	10000.0	14.78	105.65	28.99	NO
4000.	0.6230E-01	6	1.0	1.1	10000.0	14.78	119.17	30.85	NO
4500.	0.5369E-01	6	1.0	1.1	10000.0	14.78	132.50	32.58	NO
5000.	0.4695E-01	6	1.0	1.1	10000.0	14.78	145.67	34.22	NO
5500.	0.4156E-01	6	1.0	1.1	10000.0	14.78	158.69	35.77	NO
6000.	0.3716E-01	6	1.0	1.1	10000.0	14.78	171.58	37.24	NO
6500.	0.3351E-01	6	1.0	1.1	10000.0	14.78	184.34	38.65	NO
7000.	0.3044E-01	6	1.0	1.1	10000.0	14.78	196.99	40.01	NO
7500.	0.2792E-01	6	1.0	1.1	10000.0	14.78	209.54	41.17	NO
8000.	0.2574E-01	6	1.0	1.1	10000.0	14.78	221.99	42.29	NO
8500.	0.2385E-01	6	1.0	1.1	10000.0	14.78	234.34	43.36	NO
9000.	0.2219E-01	6	1.0	1.1	10000.0	14.78	246.61	44.41	NO
9500.	0.2073E-01	6	1.0	1.1	10000.0	14.78	258.79	45.41	NO
10000.	0.1943E-01	6	1.0	1.1	10000.0	14.78	270.90	46.39	NO
15000.	0.1162E-01	6	1.0	1.1	10000.0	14.78	388.43	54.89	NO
20000.	0.8253E-02	6	1.0	1.1	10000.0	14.78	500.95	60.30	NO
25000.	0.6329E-02	6	1.0	1.1	10000.0	14.78	609.75	64.86	NO
30000.	0.5096E-02	6	1.0	1.1	10000.0	14.78	715.59	68.84	NO
40000.	0.3674E-02	6	1.0	1.1	10000.0	14.78	920.22	74.49	NO
50000.	0.2853E-02	6	1.0	1.1	10000.0	14.78	1117.42	79.20	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
147. 0.5411 3 1.0 1.0 320.0 15.09 17.92 10.68 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** INVERSION BREAK-UP FUMIGATION CALC. ***

CONC (UG/M**3) = 0.000

DIST TO MAX (M) = 100.00

DIST TO MAX IS < 2000. M. CONC SET = 0.0

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	0.5411	147.	0.

07/06/04
10:51:44

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 96043 ***

Jack B. Parson Companies Silo

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = 0.113000E-01
STACK HEIGHT (M) = 12.1920
STK INSIDE DIAM (M) = 0.6096
STK EXIT VELOCITY (M/S) = 1.6169
STK GAS EXIT TEMP (K) = 293.1500
AMBIENT AIR TEMP (K) = 293.1500
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
BUILDING HEIGHT (M) = 0.0000
MIN HORIZ BLDG DIM (M) = 0.0000
MAX HORIZ BLDG DIM (M) = 0.0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 0.243 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	0.000	1	1.0	1.0	320.0	15.11	0.49	0.32	NO
100.	6.307	2	1.0	1.0	320.0	15.11	19.28	10.64	NO
200.	5.965	3	1.0	1.0	320.0	15.09	23.63	14.05	NO
300.	5.882	4	1.0	1.0	320.0	15.06	22.63	12.12	NO
400.	5.430	5	1.0	1.1	10000.0	14.95	22.03	10.84	NO
500.	4.907	5	1.0	1.1	10000.0	14.95	27.03	12.83	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
147. 6.793 3 1.0 1.0 320.0 15.09 17.92 10.68 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** INVERSION BREAK-UP FUMIGATION CALC. ***
CONC (UG/M**3) = 0.000
DIST TO MAX (M) = 100.00

DIST TO MAX IS < 2000. M. CONC SET = 0.0

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	6.793	147.	0.

07/06/04
10:52:49

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 96043 ***

Jack B. Parson Companies Hopper

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = POINT
EMISSION RATE (G/S) = 0.120000E-02
STACK HEIGHT (M) = 3.3528
STK INSIDE DIAM (M) = 0.6096
STK EXIT VELOCITY (M/S) = 6.4681
STK GAS EXIT TEMP (K) = 293.1500
AMBIENT AIR TEMP (K) = 293.1500
RECEPTOR HEIGHT (M) = 0.0000
URBAN/RURAL OPTION = RURAL
BUILDING HEIGHT (M) = 0.0000
MIN HORIZ BLDG DIM (M) = 0.0000
MAX HORIZ BLDG DIM (M) = 0.0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 3.887 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	0.000	1	1.0	1.0	320.0	15.18	1.12	1.06	NO
100.	1.087	5	5.0	5.0	10000.0	5.47	6.16	3.60	NO
200.	1.134	5	1.0	1.0	10000.0	11.33	11.85	6.64	NO
300.	1.163	6	1.0	1.0	10000.0	10.62	11.42	6.00	NO
400.	1.238	6	1.0	1.0	10000.0	10.62	14.78	7.35	NO
500.	1.149	6	1.0	1.0	10000.0	10.62	18.09	8.65	NO
600.	1.018	6	1.0	1.0	10000.0	10.62	21.34	9.91	NO
700.	0.8872	6	1.0	1.0	10000.0	10.62	24.54	11.13	NO
800.	0.7743	6	1.0	1.0	10000.0	10.62	27.71	12.15	NO
900.	0.6798	6	1.0	1.0	10000.0	10.62	30.85	13.15	NO
1000.	0.6009	6	1.0	1.0	10000.0	10.62	33.95	14.11	NO
1100.	0.5361	6	1.0	1.0	10000.0	10.62	37.02	14.96	NO
1200.	0.4815	6	1.0	1.0	10000.0	10.62	40.07	15.79	NO
1300.	0.4352	6	1.0	1.0	10000.0	10.62	43.09	16.60	NO
1400.	0.3956	6	1.0	1.0	10000.0	10.62	46.09	17.39	NO
1500.	0.3614	6	1.0	1.0	10000.0	10.62	49.07	18.15	NO
1600.	0.3317	6	1.0	1.0	10000.0	10.62	52.04	18.90	NO
1700.	0.3058	6	1.0	1.0	10000.0	10.62	54.98	19.63	NO
1800.	0.2830	6	1.0	1.0	10000.0	10.62	57.90	20.34	NO

1900.	0.2628	6	1.0	1.0	10000.0	10.62	60.81	21.04	NO
2000.	0.2449	6	1.0	1.0	10000.0	10.62	63.71	21.73	NO
2100.	0.2296	6	1.0	1.0	10000.0	10.62	66.59	22.31	NO
2200.	0.2159	6	1.0	1.0	10000.0	10.62	69.45	22.88	NO
2300.	0.2035	6	1.0	1.0	10000.0	10.62	72.31	23.43	NO
2400.	0.1922	6	1.0	1.0	10000.0	10.62	75.15	23.98	NO
2500.	0.1819	6	1.0	1.0	10000.0	10.62	77.98	24.51	NO
2600.	0.1726	6	1.0	1.0	10000.0	10.62	80.79	25.04	NO
2700.	0.1640	6	1.0	1.0	10000.0	10.62	83.60	25.56	NO
2800.	0.1561	6	1.0	1.0	10000.0	10.62	86.39	26.06	NO
2900.	0.1489	6	1.0	1.0	10000.0	10.62	89.17	26.56	NO
3000.	0.1422	6	1.0	1.0	10000.0	10.62	91.95	27.06	NO
3500.	0.1164	6	1.0	1.0	10000.0	10.62	105.67	29.05	NO
4000.	0.9775E-01	6	1.0	1.0	10000.0	10.62	119.19	30.91	NO
4500.	0.8376E-01	6	1.0	1.0	10000.0	10.62	132.52	32.64	NO
5000.	0.7292E-01	6	1.0	1.0	10000.0	10.62	145.69	34.27	NO
5500.	0.6431E-01	6	1.0	1.0	10000.0	10.62	158.71	35.82	NO
6000.	0.5732E-01	6	1.0	1.0	10000.0	10.62	171.59	37.29	NO
6500.	0.5156E-01	6	1.0	1.0	10000.0	10.62	184.35	38.70	NO
7000.	0.4674E-01	6	1.0	1.0	10000.0	10.62	197.00	40.05	NO
7500.	0.4278E-01	6	1.0	1.0	10000.0	10.62	209.55	41.22	NO
8000.	0.3939E-01	6	1.0	1.0	10000.0	10.62	221.99	42.33	NO
8500.	0.3644E-01	6	1.0	1.0	10000.0	10.62	234.35	43.41	NO
9000.	0.3387E-01	6	1.0	1.0	10000.0	10.62	246.62	44.45	NO
9500.	0.3160E-01	6	1.0	1.0	10000.0	10.62	258.80	45.45	NO
10000.	0.2958E-01	6	1.0	1.0	10000.0	10.62	270.91	46.43	NO
15000.	0.1757E-01	6	1.0	1.0	10000.0	10.62	388.43	54.92	NO
20000.	0.1244E-01	6	1.0	1.0	10000.0	10.62	500.95	60.33	NO
25000.	0.9526E-02	6	1.0	1.0	10000.0	10.62	609.75	64.89	NO
30000.	0.7659E-02	6	1.0	1.0	10000.0	10.62	715.59	68.87	NO
40000.	0.5514E-02	6	1.0	1.0	10000.0	10.62	920.23	74.52	NO
50000.	0.4276E-02	6	1.0	1.0	10000.0	10.62	1117.42	79.22	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
30. 1.400 3 10.0 10.0 3200.0 3.50 4.22 2.57 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	1.400	30.	0.

APPENDIX C
AIRS Information

AIRS/AFS^a FACILITY-WIDE CLASSIFICATION^b DATA ENTRY FORM

Facility Name: Jack B. Parson Companies
Facility Location: Portable
AIRS Number: 777-00340

AIR PROGRAM POLLUTANT	SIP	PSD	NSPS (Part 60)	NESHAP (Part 61)	MACT (Part 63)	SM80	TITLE V	AREA CLASSIFICATION A-Attainment U-Unclassified N-Nonattainment
SO ₂	B							Portable
NO _x	B							Portable
CO	B							Portable
PM ₁₀	B							Portable
PT (Particulate)	B							
VOC	B							Portable
THAP (Total HAPs)	B							
			APPLICABLE SUBPART					

^a Aerometric Information Retrieval System (AIRS) Facility Subsystem (AFS)

^b AIRS/AFS Classification Codes:

- A = Actual or potential emissions of a pollutant are above the applicable major source threshold. For HAPs only, class "A" is applied to each pollutant which is at or above the 10 T/yr threshold, or each pollutant that is below the 10 T/yr threshold, but contributes to a plant total in excess of 25 T/yr of all HAPs.
- SM = Potential emissions fall below applicable major source thresholds if and only if the source complies with federally enforceable regulations or limitations.
- B = Actual and potential emissions below all applicable major source thresholds.
- C = Class is unknown.
- ND = Major source thresholds are not defined (e.g., radionuclides).