December 13, 1996

MEMORANDUM

TO: Orville D. Green, Assistant Administrator
Air and Hazardous Waste

FROM: Martin Bauer, Chief
Air Quality Permitting Bureau

SUBJECT: Issuance of Tier II Operating Permit #777-00032 to Bannock Paving (Portable Asphalt Plant)

PURPOSE

The purpose of this memorandum is to satisfy the requirements of IDAPA 16.01.01 Sections 400 through 406 (Rules for the Control of Air Pollution in Idaho) for issuing TIER II Operating Permits.

PROJECT DESCRIPTION

This project is for the issuance of a Tier II Operating Permit (OP) to Bannock Paving for a portable hot-mix asphalt plant. The Tier II OP will establish the portable facility as a synthetic minor source.

SUMMARY OF EVENTS

On May 31, 1996, DEQ received a Tier II OP application, dated May 29, 1996. On July 1, 1996, the application was declared complete. On July 22, 1996, DEQ received source testing information to supplement the application.

On September 11, 1996, a proposed Tier II OP was issued for public comment. The public comment period was from September 27, 1996, through October 28, 1996. On October 7, 1996, DEQ received comments about the content of the proposed OP. These comments were addressed by DEQ in the response package.

RECOMMENDATIONS

Based on the review of the Tier II OP application materials and of applicable state and federal rules and regulations concerning the permitting of air pollution sources, the Bureau staff recommends that Bannock Paving's portable facility be issued a Tier II OP. Staff members also recommend that the facility be notified in writing of the obligation to pay permit application fees for the Tier II OP.

ODG\SJR\MS:jrj...\permit\Bannock\Bannockf.IMM

cc: OP File Manual
Source File
COF

December 13, 1996

MEMORANDUM

TO: Martin Bauer, Chief
Air Quality Permitting Bureau
Air & Hazardous Waste

FROM: Mike Simon, Air Quality Engineer
Air Quality Permitting Bureau
New Source Review

THROUGH: Susan J. Richards, Air Quality Permits Manager
Air Quality Permitting Bureau
Operating Permits

SUBJECT: Technical Analysis for Tier II Operating Permit #777-00032
Bannock Paving; Portable CMI Asphalt Plant

PURPOSE

The purpose of this memorandum is to satisfy the requirements of IDAPA 16.01.01 Sections 400 through 406 of the (Rules for the Control of Air Pollution in Idaho) for issuing Tier II Operating Permits.

PROJECT DESCRIPTION

A proposed Tier II Operating Permit (OP #777-00032) was issued on September 11, 1996. During the scheduled public comment period, DEQ received several comments from the applicant. This technical analysis covers all requested changes to the proposed OP by the applicant and are summarized below:

- The applicant requested to increase the hot mix asphalt plant allowable throughput from 400 T/hr to 550 T/hr. As a result of the analysis to include #5 fuel oil, and the increase in capacity from 400 T/yr to 550 T/yr, the maximum allowable throughput has been changed from 1,080,904 T/yr to 891,157 T/yr to ensure compliance with all applicable standards. The SO_2 emission rate limit remains unchanged at 99.0 T/yr.

- The applicant requested to add a portable diesel-fired 800 kW electrical generator set to the facility.

- The applicant requested that residual fuel (ASTM Grade #5) be added to the application for the burner fuel. As a result of the analysis to include #5 fuel oil, and the increase in capacity from 400 T/yr to 550 T/yr, the maximum allowable throughput has been changed from 1,080,904 T/yr to 891,157 T/yr to ensure compliance with all applicable standards. The SO_2 emission rate limit remains unchanged at 99.0 T/yr.

SUMMARY OF EVENTS

On May 31, 1996, DEQ received a Tier II OP application, dated May 29, 1996. On July 1, 1996, the application was declared complete. On July 22, 1996, DEQ received source testing information to supplement the application.

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DISCUSSION

1. Process Description

Sand and gravel are conveyed from a feed system, which weighs the material, to the drum dryer. In the dryer, the material is exposed to an open-flame generated by a diesel-fired horizontal burner. The material is dried in the front portion of the drum, and liquid asphalt is added in the back of the drum. The finished asphalt is then moved by a slat conveyor to overhead storage silos to be loaded on trucks. This asphalt plant was originally constructed in 1981.

2. Equipment listing

2.1 The hot-mix asphalt plant has the following specifications:

Manufacturer:	CMI
Maximum Rated Capacity:	550 T/hr
Model #:	PDM-963

2.2 The horizontally fired burner in the drum dryer has the following specifications:

Manufacturer:	Hauck
Maximum Rated Capacity:	190 MM Btu/hr
Model #:	JB04790-190
Fuel Type:	Residual Fuel Oil (ASTM #4,#5,#6)

2.3 Electrical generator set specifications:

Manufacturer:	Caterpillar
Model#:	35B5211
Capacity:	800 kW (1072 h.p.)
Fuel Type:	Diesel Fuel (ASTM #2)

3. Control Description

Particulate emissions from the drum dryer are vented to and controlled by a baghouse. The baghouse has the following specifications:

Manufacturer:	CMI
Model #:	APM-856-101

4. Stack Specifications

4.1 The asphalt plant has the following stack specifications:

Stack Height:	41.0 ft
Stack Diameter:	5.0 ft
Average Flow Rate:	60,000 acfm
Average Exit Temperature:	250° F

4.2 The electrical generator set has the following stack specifications:

Stack Height:	13.5 ft
Stack Diameter:	0.67 ft
Average Flow Rate:	7363 acfm
Average Exit Temperature:	1026° F

5. Area Classification

Bannock Paving requests to operate the portable asphalt plant within all attainment, unclassifiable, and non-attainment areas in the state of Idaho.

6. Facility Classification

The Bannock Paving asphalt plant facility is not a designated facility as defined in IDAPA 16.01.01.006.25. The asphalt plant facility is not a major facility as defined in IDAPA 16.01.01.008.14, because the Tier II OP will limit the potential to emit (PTE) of this facility below 100 tons per year (TPY) for all regulated air pollutants.

7. Emission Factors

The hot mix asphalt (HMA) emission estimates were calculated using emission factors (EF) obtained from the U.S. EPA AP-42. Table 7-1 below summarizes each EF used for estimating HMA emissions from at the baghouse stack. Note: Sulfur dioxide emissions are based on the sulfur content in the fuel oil multiplied by the EF. The applicant has requested to burn ASTM Grade #5 fuel oil which assumes a sulfur content (S) of 1.75 weight percent. PM-10 emissions are based on the assumption that the maximum grain loading after baghouse control will meet the 0.04 gr/dscf requirements as established in the New Source Performance Standards for Hot Mix Asphalt Plants (40 CFR 60.90). PM-10 emissions were calculated based on the average flow rate in dscf measured during the last performance test conducted at this facility. The performance test was conducted on September 14, 1990, by Air Chem Labs, for PM emissions. The average PM grain loading from three runs was 0.0168 gr/dscf as listed in the test results.

Table 7-1. HMA Emission Factors

Pollutant	gr/dscf	Residual Fuel lb/10^3 gal	AP-42 Reference
PM-10	0.04	--	--
CO	--	5	Table 1.3-2
NO_x	--	55	Table 1.3-2
SO_x	--	157S	Table 1.3-2

The diesel fired 800 kW electrical generator set emissions were also estimated using AP-42 EF's. Table 7-2 below summarizes each EF used. Sulfur dioxide emissions are based on the sulfur content in the fuel oil (S) and multiplied by the EF. S is assumed to be 0.5 percent weight for #2 diesel fuel.

Table 7-2. Gen Set Emission Factors

Pollutant	Diesel Fuel lb/MMBtu	AP-42 Reference
PM-10	0.0573	Table 3.4-5
CO	0.81	Table 3.4-2
NO_x	3.1	Table 3.4-2
SO_x	1.01S	Table 3.4-2

8. Emission Estimates

A spreadsheet was developed to calculate allowable emissions and production rates which will limit the facility's PTE for all regulated air pollutants to below 100 tons per year (TPY). The spreadsheet also calculates ambient impacts based on Screen3 modeling results to ensure that all applicable National Ambient Air Quality Standards (NAAQS) will be met in attainment areas and that there will be no significant contribution to a NAAQS violation in non-attainment areas. Spreadsheet calculations are presented in Appendix A of this memo.

The maximum allowable asphalt throughput, based on a 550 T/hr capacity, was calculated to be 891,157 T/yr. This throughput limit corresponds to a sulfur dioxide (SO_2) annual emission rate limit of 99 TPY when firing residual (ASTM Grade #5) fuel oil in the burner. The annual throughput limit will ensure that the facility will remain a minor facility in accordance with IDAPA 16.01.01.008.14. All other air pollutants, i.e. NO_x, CO, and PM-10, are inherently limited below 99 TPY by permit conditions.

For PM-10 non-attainment or proposed non-attainment area operations, the maximum allowable asphalt throughput, based on 550 T/hr capacity, was calculated to be 6,999 T/day. This daily throughput protects the PM-10 24-hr significant contribution requirements to areas that are in violation of the PM-10 NAAQS (non-attainment areas). The facility PM-10 impact is well below the annual PM-10 significant contribution level when annual throughput limits are set at 891,157 T/yr.

9. Modeling

Modeling emissions from the asphalt plant baghouse stack and the electrical generator set stack was conducted using EPA approved SCREEN3 computer modeling program. The maximum one hour impact for the asphalt plant stack was calculated to be 1.88 $\mu g/m^3$ using a one lb/hr emission rate input. The maximum one hour impact for the 800 kW electrical generator set was calculated to be 11.95 $\mu g/m^3$ using a one lb/hr emission rate input. The spreadsheet calculates maximum impacts for both point sources by assuming that the worst-case impact from each source occurs at the same point.

The only limitation required on this facility based on the ambient analysis is in order to protect the 24-hr PM-10 significant contribution requirement of 5.0 $\mu g/m^3$. A limitation of 6,999 T/day throughput is required to meet this ambient standard in PM-10 non-attainment areas. All other ambient standards will be met at the proposed allowable throughput limits.

All Screen3 Modeling Output files are presented in Appendix B of this memo.

10. Regulatory Review

10.1 NSPS Applicability

The Bannock Paving asphalt facility is an affected facility as defined in 40 CFR 60.90, Subpart I - Standards of Performance for Hot-Mix Asphalt Facilities, because the source commenced construction after the applicability date of June 11, 1973. According to the Tier II application, actual construction occurred in 1981.

NOTE: This facility is defined as a Tier I Source in accordance with IDAPA 16.01.01.006.100.b. because the facility is subject to the requirements established in 40 CFR 60.90. Therefore, this Tier I Source will be required to obtain a Tier I operating permit by June 1, 1999, in accordance with IDAPA 16.01.01.301.02.b.i..

10.2 Regulatory Requirements

In summary, the facility is subject to the following state and federal regulatory requirements:

IDAPA 16.01.01.401	Tier II Operating Permit;
IDAPA 16.01.01.403	Permit Requirements for Tier II Sources;
IDAPA 16.01.01.404	Procedures for Issuing Permits;
IDAPA 16.01.01.405	Conditions for Tier II Permits;
IDAPA 16.01.01.406	Obligation to Comply;
IDAPA 16.01.01.470	Permit Application Fees for Tier II Permits;
IDAPA 16.01.01.577	Ambient Air Quality Standards for Specific Air Pollutants;
IDAPA 16.01.01.590	New Source Performance Standards;
IDAPA 16.01.01.625	Visible Emissions;
IDAPA 16.01.01.650	Reasonably Control Fugitive Emissions;
IDAPA 16.01.01.727	Residual Fuel Oils;
IDAPA 16.01.01.728	Distillate Fuel Oil;
IDAPA 16.01.01.805	Rules for Control of Hot-Mix Asphalt Plants; and
40 CFR 60.90	Standards of Performance for Hot-Mix Asphalt Facilities.

11. AIRS

The AIRS database requires minor updating. A copy of the changes made to the AIRS computer output file for this facility is presented in Appendix C of this memo.

FEES

Tier II application fees apply to this facility in accordance with IDAPA 16.01.01.470. The facility is subject to a five hundred dollar ($500) application fee.

Upon issuance of this Tier II OP, this facility will no longer be subject to registration and registration fees in accordance with IDAPA 16.01.01.525. Currently, based on a review of the Air Emissions Database Master List, dated August 2, 1996, Bannock Paving has paid for approximately 13.5 tons of pollutants required to be registered in accordance with IDAPA 16.01.01.525.

RECOMMENDATIONS

Based on the review of the Tier II OP application materials and of applicable state and federal rules and regulations concerning the permitting of air pollution sources, the Bureau staff recommends that Bannock Paving's Pocatello facility be issued a Tier II OP. Staff members also recommend that the facility be notified in writing of the obligation to pay permit application fees for the Tier II OP.

MB\SJR\MS:jrj...\permit\bannock\bannockf.TAM

cc: Pocatello Regional Office
R. Wilkosz/TSB
P. Rayne/AFS
Source File
COF

APPENDIX A

Bannock Paving
Emission Estimates Spreadsheet

Company:	Bannock Paving	Engineer:	Mike Simon
Project:	550 T/hr CMI Hot Mix Asphalt Plant Portable	Date:	Nov 12, 1996
		Filename:	Bannock.wk1

INPUT

Facility Type:	B	(A = Batch Mix Hot Mix Asphalt Plant) (B = Drum Mix Hot Mix Asphalt Plant)
Dryer Fuel Type:	C	(A = Natural Gas-Fired Dryer) (B = Distillate Fuel Oil-Fired Dryer) (C = Residual Fuel Oil-Fired Dryer) (D = Waste Oil-Fired Dryer)
Default Heat Input and Fuel Usage? (Y/N)	n	

	Submitted Values	Default Values
Rated Heat Input Capacity:	190.0 [=] MMBtu/hr	[=] N/A
Fuel Usage:	572.0 [=] gal/hr	[=] N/A
Fuel Sulfur Content:	1.75 [=] wt %	
Facility Production Capacity:	550 [=] ton/hr	Note: Maximum 700 Tons/year allowed.
Maximum Annual Hours of Operation:	4,000 [=] hr/yr	Flowrate: 27620 [=] dscfm
Modeled 1-hr Concentration:	1.88 [=] µg/m³, at emission rate of 1 lb/hr	

Facility Limitations

Annual Threshold Emission Limit:	A	(A = <100 Tons/yr; Below Title V Threshold) (B = <250 Tons/yr; PSD Threshold)
Selected Emission Limitation:	100 Tons/yr	

Generator? (Y/N)	y	
Generator Size:	800 [=] kW	
Units:	B	(A = Horsepower) 1072.56 Units Conversion Factor (B = Kilowatts)
Fuel Type:	A	(A = Diesel-Fired Generator) (B = Gasoline-Fired or Dual-Fired Generator)
Fuel Usage:	62 [=] gal/hr	
Heat Output:	8.5 [=] MMBtu/hr	
Modeled 1-hr Concentration:	11.95 [=] µg/m³, at emission rate of 1 lb/hr	

Background Concentrations

	1-hr	3-hr	8-hr	24-hr	Quarterly	Annual
PM_{10}				86		32.7
CO	11400		5130			
NO_x						40
SO_2		543		144		23.5

Mean Wind Speed (U)	10 [=] mph
Material Moisture Content (M)	2.5 [=] %
Particle Size Multiplier (k)	
PM-10 (<10 µm)	0.35 [=] dimensionless
Emission Factor[1]	
PM-10 (<10 µm)	0.0020 [=] lb/T
PM[2]	0.0053 [=] lb/T

Notes: [1] EF = k*0.0032*(U/5)^1.3/(M/2)^1.4

Drop-Point Equation, Rating "A," AP-42, 5th Ed. p.13.2.4-3. Wind Speed = 10 mph; Moisture = 2.5%; Assumes Aggregate = 94% of product.

Enter Dryer Stack Control Efficiency data - - - - -

Pollutant	DRYER STACK: Emission Factor [=] gr/dscf	Emission Rate (Controlled) [=] lb/hr	Control Efficiency[1] [=] %	Emission Rate (Controlled) [=] lb/hr	GENERATOR SET: Emission Factor [=] lb/MMBtu	Emission Rate (Uncontrolled) [=] lb/hr	Control Efficiency [=] %	Emission Rate (Controlled) [=] lb/hr
Total PM_{10}	0.0400	9.5		9.5	0.0573	0.49	0.00%	0.49
	[=] lb/10³ gal							
CO	5	2.9	0.00%	2.9	0.8100	6.88	0.00%	6.88
NO_x	55	31.5	0.00%	31.5	3.1000	26.34	0.00%	26.34
SO_2	274.75	157.2	25.00%	117.9	0.5100	4.33	0.00%	4.33

[1] Dryer Stack control efficiencies are for a baghouse or scrubber system, and, are pollutant specific.

OUTPUT

ATTAINMENT/NON-CLASSIFIABLE AREAS			NON-ATTAINMENT AREAS	
Uncontrolled Emissions	Controlled Emissions	Dryer	Uncontrolled Emissions	Controlled Emissions
	7.67 tons/yr	PM		7.67 tons/yr
	7.67 tons/yr	PM-10		7.67 tons/yr
2.32 tons/yr	2.32 tons/yr	CO	2.32 tons/yr	2.32 tons/yr
25.49 tons/yr	25.49 tons/yr	NOx	25.49 tons/yr	25.49 tons/yr
127.32 tons/yr	95.49 tons/yr	SO2	127.32 tons/yr	95.49 tons/yr
		Generator		
0.00 tons/yr	0.00 tons/yr	PM	0.00 tons/yr	0.00 tons/yr
0.39 tons/yr	0.39 tons/yr	PM-10	0.39 tons/yr	0.39 tons/yr
5.58 tons/yr	5.58 tons/yr	CO	5.58 tons/yr	5.58 tons/yr
21.34 tons/yr	21.34 tons/yr	NOx	21.34 tons/yr	21.34 tons/yr
3.51 tons/yr	3.51 tons/yr	SO2	3.51 tons/yr	3.51 tons/yr
		Fugitives		
7 tons/yr	6.70 tons/yr	PM	6.70 tons/yr	6.70 tons/yr
3 tons/yr	2.54 tons/yr	PM-10	2.54 tons/yr	2.54 tons/yr
		Totals:		
7 tons/yr	14.37 tons/yr	PM	6.70 tons/yr	14.37 tons/yr
3 tons/yr	10.60 tons/yr	PM-10	2.93 tons/yr	10.60 tons/yr
7.89 tons/yr	7.89 tons/yr	CO	7.89 tons/yr	7.89 tons/yr
46.82 tons/yr	46.82 tons/yr	NOx	46.82 tons/yr	46.82 tons/yr
130.83 tons/yr	99.00 tons/yr	SO2	130.83 tons/yr	99.00 tons/yr
131 [=] T/yr of SO_2	99.0 [=] T/yr of SO_2	Title V FTE Summary	131 [=] T/yr of SO_2	99.0 [=] T/yr of SO_2
131 [=] T/yr of SO_2	99.0 [=] T/yr of SO_2	Facility FTE Summary	131 [=] T/yr of SO_2	99.0 [=] T/yr of SO_2
Enforceable Limits -- Attainment Areas			**Enforceable Limits -- Non-Attainment Areas**	
24.0 hrs/day	1,620 hr/yr	Operation	12.7 hrs/day	1,620 hr/yr
13,200 tons/day	891,157 tons/year	Limits	6,999 tons/day	891,157 tons/year
Dryer Controlled Emission Rates		Emission Limits	**Dryer Controlled Emission Rates**	
9.47 lbs/hour	7.7 tons/year	PM-10	9.47 lbs/hour	7.7 tons/year
2.86 lbs/hour	2.3 tons/year	CO	2.86 lbs/hour	2.3 tons/year
31.46 lbs/hour	25.5 tons/year	NOx	31.46 lbs/hour	25.5 tons/year
117.87 lbs/hour	95.5 tons/year	SO2	117.87 lbs/hour	95.5 tons/year
Generator Controlled Emission Rates		Emission Limits	**Generator Controlled Emission Rates**	
0.49 lbs/hour	0.39 tons/year	PM-10	0.49 lbs/hour	0.4 tons/year
6.88 lbs/hour	5.58 tons/year	CO	6.88 lbs/hour	5.6 tons/year
26.34 lbs/hour	21.34 tons/year	NOx	26.34 lbs/hour	21.3 tons/year
4.33 lbs/hour	3.51 tons/year	SO2	4.33 lbs/hour	3.5 tons/year
DEQ Classification:	A2		**DEQ Classification:**	A2

ATTAINMENT/NON-CLASSIFIABLE AREAS -- MODELING ANALYSIS

	Allowable Impacts				Permitted Impacts					
	NAAQS			< 100 TPY[4]			NAAQS			< 100 TPY[4]
Pollutant	Hours of Operation [=] hr/day	Hours of Operation [=] hr/year	Other	Hours of Operation [=] hr/year	Hours of Operation [=] hr/day	Hours of Operation [=] hr/year	Calculated 24-hr Impact [=] µg/m3	Calculated Annual Impact [=] µg/m3	Other	Calculated Emissions [=] ton/year
PM	N/S	N/S			24.0	1,620				
PM_{10}	24.0	8,760		8,760			9.4	0.3		10.60
CO	N/S	N/S		8,760			35.0	1.3		7.69
			1.0 [1]				---	---	5.4 [1]	
			8.0 [2]				---	---	3.8 [2]	
NO_x	N/S	8,760		3,426			---	5.5		46.82
SO_2	24.0	8,760		1,620			94.9	4.0		99.00
			3.0 [3]				---	---	198.9 [3]	

FUGITIVE SOURCES	PM	PM_{10}
Pre-Dryer Source Emissions ([=] lb/hr)		
Loader -> Cold Aggregate Bin	2.7571	1.0432
Cold Aggregate Bin -> Conveyor	2.7571	1.0432
Conveyor -> Drum Dryer	2.7571	1.0432
Total Pre-Dryer Source Emissions	8.2712	3.1296
Post-Dryer Source Emissions[2]		
Screening Process	---	---
Screen -> Hot Bins	---	---
Hot Bins -> Weigh Hopper	---	---
Weigh Hopper -> Pug Mill	---	---
Total Post-Dryer Source Emissions	---	---
Scavenger Control Efficiency	N/A	N/A
Total Uncontrolled Emissions ([=] lb/hr)	8.3	3.1
Total Uncontrolled Emissions ([=] ton/yr)	6.7	2.5
Total Controlled Emissions ([=] lb/hr)	8.3	3.1
Total Controlled Emissions ([=] ton/yr)	6.70	2.54

NON-ATTAINMENT AREAS -- MODELING ANALYSIS

	Allowable Impacts				Permitted Impacts					
	NAAQS			< 100 TPY[4]			NAAQS			< 100 TPY[4]
Pollutant	Hours of Operation [=] hr/day	Hours of Operation [=] hr/year	Other	Hours of Operation [=] hr/year	Hours of Operation [=] hr/day	Hours of Operation [=] hr/year	Calculated 24-hr Impact [=] µg/m3	Calculated Annual Impact [=] µg/m3	Other	Calculated Emissions [=] ton/year
PM	N/S	N/S			12.7	1,620				
PM_{10}	12.7	4,645		8,760			5.0	0.3		10.60
CO	N/S	N/S		8,760			18.6	1.3		7.69
			1.0 [1]				---	---	5.4 [1]	
			8.0 [2]				---	---	3.8 [2]	
NO_x	N/S	8,760		3,426			---	5.5		46.82
SO_2	24.0	8,760		1,620			50.3	4.0		99.00
			3.0 [3]				---	---	198.9 [3]	

FUGITIVE SOURCES	PM	PM_{10}
Pre-Dryer Source Emissions ([=] lb/hr)		
Loader -> Cold Aggregate Bin	2.7571	1.0432
Cold Aggregate Bin -> Conveyor	2.7571	1.0432
Conveyor -> Drum Dryer	2.7571	1.0432
Total Pre-Dryer Source Emissions	8.2712	3.1296
Post-Dryer Source Emissions[2]		
Screening Process	---	---
Screen -> Hot Bins	---	---
Hot Bins -> Weigh Hopper	---	---
Weigh Hopper -> Pug Mill	---	---
Total Post-Dryer Source Emissions	---	---
Scavenger Control Efficiency	N/A	N/A
Total Uncontrolled Emissions ([=] lb/hr)	8.3	3.1
Total Uncontrolled Emissions ([=] ton/yr)	6.7	2.5
Total Controlled Emissions ([=] lb/hr)	8.3	3.1
Total Controlled Emissions ([=] ton/yr)	6.70	2.54

Source: National Asphalt Pavement Association

Notes:
[1] CO 1-hr Averaging Period
[2] CO 8-hr Averaging Period
[3] SO_2 3-hr Averaging Period
[4] TPY calculation includes fugitive emissions from Table 6.

APPENDIX B

Bannock Paving
Screen3 Modeling Output

B1

11/14/96
09:30:23

*** SCREEN3 MODEL RUN ***
*** VERSION DATED 95250 ***

Bannock Paving Portable 550 T/hr CMI HMA Plant

SIMPLE TERRAIN INPUTS:

SOURCE TYPE	=	POINT
EMISSION RATE (G/S)	=	.126000
STACK HEIGHT (M)	=	12.5000
STK INSIDE DIAM (M)	=	1.5200
STK EXIT VELOCITY (M/S)	=	15.5000
STK GAS EXIT TEMP (K)	=	383.0000
AMBIENT AIR TEMP (K)	=	293.0000
RECEPTOR HEIGHT (M)	=	1.6700
URBAN/RURAL OPTION	=	RURAL
BUILDING HEIGHT (M)	=	.0000
MIN HORIZ BLDG DIM (M)	=	.0000
MAX HORIZ BLDG DIM (M)	=	.0000

BUOY. FLUX = 20.630 M**4/S**3; MOM. FLUX = 106.160 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.	.0000	1	1.0	1.0	320.0	216.68	3.59	3.57	NO
100.	.2373E-01	5	1.0	1.1	10000.0	91.92	23.50	22.97	NO
200.	1.047	4	20.0	20.7	6400.0	20.25	15.70	8.75	NO
300.	1.837	4	20.0	20.7	6400.0	20.25	22.77	12.39	NO
400.	1.812	4	20.0	20.7	6400.0	20.25	29.59	15.54	NO
500.	1.634	4	15.0	15.5	4800.0	24.35	36.35	18.69	NO
600.	1.479	4	15.0	15.5	4800.0	24.35	42.89	21.55	NO
700.	1.333	4	10.0	10.3	3200.0	32.55	49.52	24.71	NO
800.	1.252	4	10.0	10.3	3200.0	32.55	55.87	27.39	NO
900.	1.192	4	8.0	8.3	2560.0	37.57	62.30	30.32	NO
1000.	1.121	4	8.0	8.3	2560.0	37.57	68.50	32.88	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:

337.	**1.875**	**4**	**20.0**	**20.7**	**6400.0**	**20.25**	**25.39**	**13.63**	**NO**

B2

```
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       MAX CONC   DIST TO  TERRAIN
  PROCEDURE       (UG/M**3)   MAX (M)   HT (M)
--------------  -----------  -------  -------
SIMPLE TERRAIN     1.875        337.       0.

*****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
*****************************************************
```

B3

11/12/96
13:06:47

```
 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 95250 ***

Bannock Paving 800kW Gen Set

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      .126000 = 1.0 lb/hr unity
   STACK HEIGHT (M)         =       4.1000
   STK INSIDE DIAM (M)      =        .2000
   STK EXIT VELOCITY (M/S)=       106.1000
   STK GAS EXIT TEMP (K)    =      825.0000
   AMBIENT AIR TEMP (K)     =      293.0000
   RECEPTOR HEIGHT (M)      =       1.7000
   URBAN/RURAL OPTION       =        RURAL
   BUILDING HEIGHT (M)      =        .0000
   MIN HORIZ BLDG DIM (M) =          .0000
   MAX HORIZ BLDG DIM (M) =          .0000


BUOY. FLUX =    6.709 M**4/S**3;  MOM. FLUX =   39.980 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.	.0000	1	1.0	1.0	320.0	93.42	2.91	2.88	NO
100.	11.45	4	20.0	20.0	6400.0	8.57	8.25	4.74	NO
200.	10.12	4	15.0	15.0	4800.0	10.05	15.66	8.67	NO
300.	8.373	4	8.0	8.0	2560.0	15.26	22.83	12.51	NO
400.	6.719	4	8.0	8.0	2560.0	15.26	29.63	15.60	NO
500.	5.937	4	5.0	5.0	1600.0	21.96	36.50	19.00	NO
600.	5.200	4	4.5	4.5	1440.0	23.95	43.09	21.96	NO
700.	4.623	4	4.0	4.0	1280.0	26.43	49.60	24.87	NO
800.	4.169	4	3.5	3.5	1120.0	29.62	56.05	27.76	NO
900.	3.793	4	3.0	3.0	960.0	33.87	62.47	30.67	NO
1000.	3.486	4	3.0	3.0	960.0	33.87	68.66	33.20	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:

120.	**11.95**	**4**	**20.0**	**20.0**	**6400.0**	**8.57**	**9.84**	**5.59**	**NO**

:B4:

```
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        MAX CONC   DIST TO  TERRAIN
  PROCEDURE        (UG/M**3)   MAX (M)   HT (M)
--------------   -----------  -------  -------
SIMPLE TERRAIN     11.95         120.       0.

*****************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
*****************************************************
```

APPENDIX C

Bannock Paving
AIRS

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 BANNOCK PAVING COMPANY
STATE: ID/16 CITY: ~~PORTABLE~~
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

PLANT NAME: BANNOCK PAVING COMPANY
ADDRESS : PORTABLE
CITY,STATE: PORTABLE,ID 00000

DUNN & BRADSTREET:
EPA ID NUMBER :

STANDARD INDUSTRIAL CLASSIFICATIONS:
2951 - PAVING MIXTURES AND BLOCKS
-
-

P-940807

LAST PLANT UPDATE : 96/04/29
REGIONAL PLANNING :
LOCAL CONTROL REGN:
INSPECTOR :
MONITORING INFORMATION:
SOURCE: AMBIENT:

MAILING ADDRESS:
NAME : BANNOCK PAVING
ADDRESS : P.O. BOX 4002
CITY,STATE: POCATELLO,ID 83205-4002

SIGNIFICANT VIOLATOR FLAGS:

	STATE	EPA
COMPLIANCE	: 3 - IN COMPLIANCE - INSPECTIO	: -
CLASSIFICATION:	A2	:
LAST INSPECT.	: 95/04/24 TYPE: 17	: 93/03/27 TYPE: 16

OPERATING STATUS: 0 - OPERATING
STATE REGISTRATION:
PLANT DESCRIPTION: ASPHALT PLANT

GOVT FAC.: 0 - ALL OTHER FACILITIES NOT
CAPACITY: 0
COMPLIANCE CONTACT : GARY SPRAKER , (208) 232-5796

PRIORITY : -
CEMSS INFO (Y/N):

PLANT COMMENT:

model PDM-943

INDIRECT SOURCE #	COMMENT NO.	COMMENT
	001 C	PLANT TYPE: CMI, MODEL CT-395, BEGAN 7/85 (PER A. COLE 4/91 TELEPHONE CALL), ~~PRODUCTION RATE: 500 TPH~~ ~~450TPH~~ 550TPH FUEL: #5 OIL CONTROLS: BAGHOUSE
	002 C	LAST LOCATION: MONSANTO'S ENOCH VALLEY MINE (9/14/89 INSPC) PER 8/28/90 CO. FAX-PLANT MOVING FROM BANNOCK PAVING STORAGE AREA (POCATELLO) TO INEL MK-FERGUSON JOB (9/4/90-10/15/90)
	003 C	PER 1/24/92 CO. LETTER (& CONVERSATION W/R. ELKINS)-MOVING PLANT #1 FROM MAIN YARD IN POCATELLO TO 10 MI. E. OF ELKO, NV ON I-84 AT OR NEAR OSINO
	004 C	PER 3/6/95. CO. LETTER-MOVING ASPHALT PLANT FROM STORAGE TO BANNOCK PAVINGS CO'S MAIN YARD AT 10200 BATISTE RD (BEGIN

C2

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

INDIRECT SOURCE #	COMMENT NO.	COMMENT
		4/1/95 FOR APPROX 120 DAYS)

AIR PROGRAM CODES:
0 - SIP 0 - OPERATING

INSPECTIONS:
EVEN YEAR : 96 STRATEGY: C FREQUENCY: 01
ODD YEAR : STRATEGY: FREQUENCY:
REPEAT VIOLATION FLAG/DATE:
TURNOVER COMPLIANCE FLAG: 0
REPORTING TO REGION: -
STAFF: ID3 - REGION III

	STATE	EPA
COMPLIANCE	3 - IN COMPLIANCE - INSPECTIO	-
CLASSIFICATION	A2	

RDE1: RDE2: RDE3: RDE4: RDE5: RDE6:
RDE7: RDE9: RDE10: RDE11: RDE12: RDE15:
STATE IMPLEMENTATION PLAN: -

COMPLIANCE HISTORY:
MONTHLY:

STATE:(YY/MM)							
1: 3 96/04	2: 3 96/03	3: 3 96/02	4: 3 96/01	5: 3 95/11	6: 3 95/10	7: 3 95/09	8: 3 95/08
9: 3 95/07	10: 3 95/06	11: 3 95/05	12: 3 95/04	13: 3 95/03	14: 3 95/02	15: 3 94/12	16: 3 94/11
17: 3 94/10	18: 3 94/09	19: 3 94/08	20: 4 94/07	21: 4 94/06	22: 4 94/05	23: 4 94/04	24: 4 94/03
EPA:(YY/MM)							
1: 96/04	2: 96/03	3: 96/02	4: 96/01	5: 95/11	6: 95/10	7: 95/09	8: 95/08
9: 95/07	10: 95/06	11: 95/05	12: 95/04	13: 95/03	14: 95/02	15: 94/12	16: 94/11
17: 94/10	18: 94/09	19: 94/08	20: 94/07	21: 94/06	22: 94/05	23: 94/04	24: 94/03

QUARTERLY:

STATE:(YY/QQ)							
1: 3 96/02	2: 3 96/01	3: 3 95/04	4: 3 95/03	5: 3 95/02	6: 3 95/01	7: 3 94/04	8: 4 94/03
EPA:(YY/QQ)							
1: 96/02	2: 96/01	3: 95/04	4: 95/03	5: 95/02	6: 95/01	7: 94/04	8: 94/03

AIR PROGRAM POLLUTANTS:

PT - SUSPENDED PARTICULATE (TS

LOADING: -
RDE14 :
TOXICITY LEVEL:
STATE REGULATION NUMBER:

	STATE	EPA
COMPLIANCE	3 - IN COMPLIANCE - INSPECTIO	-
CLASSIFICATION	A2	
ATTAIN/NONATTN	A - ATTAINMENT AREA FOR A GIV	-

AIR PROGRAM CODES:

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

9 - NSPS 0 - OPERATING

INSPECTIONS:

				STATE	EPA
EVEN YEAR :	STRATEGY:	FREQUENCY:	COMPLIANCE	: 3 - IN COMPLIANCE - INSPECTIO :	-
ODD YEAR : 93	STRATEGY: C	FREQUENCY: 01	CLASSIFICATION: A2	:	

REPEAT VIOLATION FLAG/DATE:
TURNOVER COMPLIANCE FLAG: 0
REPORTING TO REGION: -
STAFF: ID3 - REGION III

RDE1: RDE2: RDE3: RDE4: RDE5: RDE6:
RDE7: RDE9: RDE10: RDE11: RDE12: RDE15:
STATE IMPLEMENTATION PLAN: -

COMPLIANCE HISTORY:

MONTHLY:

STATE:(YY/MM)

1: 3 96/04	2: 3 96/03	3: 3 96/02	4: 3 96/01	5: 3 95/11	6: 3 95/10	7: 3 95/09	8: 3 95/08
9: 3 95/07	10: 3 95/06	11: 3 95/05	12: 3 95/04	13: 3 95/03	14: 3 95/02	15: 3 94/12	16: 3 94/11
17: 3 94/10	18: 3 94/09	19: 3 94/08	20: 4 94/07	21: 4 94/06	22: 4 94/05	23: 4 94/04	24: 4 94/03

EPA:(YY/MM)

1: 96/04	2: 96/03	3: 96/02	4: 96/01	5: 95/11	6: 95/10	7: 95/09	8: 95/08
9: 95/07	10: 95/06	11: 95/05	12: 95/04	13: 95/03	14: 95/02	15: 94/12	16: 94/11
17: 94/10	18: 94/09	19: 94/08	20: 94/07	21: 94/06	22: 94/05	23: 94/04	24: 94/03

QUARTERLY:

STATE:(YY/QQ)

1: 3 96/02	2: 3 96/01	3: 3 95/04	4: 3 95/03	5: 3 95/02	6: 3 95/01	7: 3 94/04	8: 4 94/03

EPA:(YY/QQ)

1: 96/02	2: 96/01	3: 95/04	4: 95/03	5: 95/02	6: 95/01	7: 94/04	8: 94/03

AIR PROGRAM POLLUTANTS:

PT - SUSPENDED PARTICULATE (TS

LOADING: P - POTENTIAL CONTROLLED
RDE14 :
TOXICITY LEVEL:
STATE REGULATION NUMBER:

	STATE	EPA
COMPLIANCE	: 3 - IN COMPLIANCE - INSPECTIO :	-
CLASSIFICATION: A2	:	
ATTAIN/NONATTN: A - ATTAINMENT AREA FOR A GIV	:	-

VE - VISIBLE EMISSIONS

LOADING: P - POTENTIAL CONTROLLED
RDE14 :
TOXICITY LEVEL:
STATE REGULATION NUMBER:

	STATE	EPA
COMPLIANCE	: 3 - IN COMPLIANCE - INSPECTIO :	-
CLASSIFICATION: UK	:	
ATTAIN/NONATTN: A - ATTAINMENT AREA FOR A GIV	:	-

ACT. NO.	INDIR. NO.	AIR PROGRM	TYPE/DESCRIPTION	DATE SCHEDULD	DATE ACHIEVED	ACT. CAT.	STAFF	RESULTS	PENALTY	RDB	PLLT/CASN	RDE 16

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

ACT. NO.	INDIR. NO.	AIR PROGRM	TYPE/DESCRIPTION	DATE SCHEDULD	DATE ACHIEVED	ACT. CAT.	STAFF	RESULTS	PENALTY	RDB	PLLT/CASN	RDE 16
001		09	17 ST COMP INSPEC	86/06/30	86/08/12		E34	19 IN COMPLIANCE	0			
	COMMENT NO.		COMMENT									
	001		INSPECTION ATTEMPTED 6/13/86, NOT OPERATING.									
002		09	17 ST COMP INSPEC	87/09/30	87/09/11		E34	18 OUT OF COMPLIAN	0			
	COMMENT NO.		COMMENT									
	001		OPACITY VIOLATION: 56.9%; ALLOWED 20%.									
003		09	87 STTE WARN LETT	87/09/14	87/09/14				0			
004		09	85 SPEC ACT DUE/C	87/09/15	87/09/15			19 IN COMPLIANCE	0			
	COMMENT NO.		COMMENT									
	001		REPAIRS & MAINTENANCE COMPLETED.									
005		09	17 ST COMP INSPEC	88/09/30	/ /			02 NOT ACHIEVED	0			
	COMMENT NO.		COMMENT									
	001		NOT ACHIEVED DUE TO A SCHEDULING ERROR.									
006		09	17 ST COMP INSPEC	89/09/30	89/09/14		E34	18 OUT OF COMPLIAN	0			
007		09	87 STTE WARN LETT	89/12/08	89/12/08			08 ISSUED	0			
	COMMENT NO.		COMMENT									

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

ACT. NO.	INDIR. NO.	AIR PROGRM	TYPE/DESCRIPTION	DATE SCHEDULD	DATE ACHIEVED	ACT. CAT.	STAFF	RESULTS	PENALTY	RDB	PLLT/CASN	RDE	16
	COMMENT NO.		COMMENT										
	001		VE VIOLATIONS ON DRUM DRYER										
008		09	85 SPEC ACT DUE/C	89/12/21	89/12/13			01 ACTION ACHIEVED	0				
	COMMENT NO.		COMMENT										
	001		RESPONSE TO 12/8/89 WARNING LETTER										
	002		PER 12/13/89 CO. LETTER-BAGS REPLACED IN BAGHOUSE & SHUT-DOWN 8/13/89 & MOVED TO POCATELLO										
009		09	28 INSP ATTEMPT	90/09/30	90/07/20		E34	13 NOT OPERATING	0				
	COMMENT NO.		COMMENT										
	001		NOT OPERATING AT TIME OF INSPECTION-AWAITING PERMIT EVALUA-TION PRIOR TO STARTUP										
	002		S.T. CONDUCTED 9/14/90-WILL INSPECTION 9/19										
	003		PT. 020 OF CDS #3000-00040 WILL ALSO BE LOCATED AT INEL SITE										
010		09	17 ST COMP INSPEC	90/09/30	90/09/19		E34	18 OUT OF COMPLIAN	0				
	COMMENT NO.		COMMENT										
	001		OUT PER FE'S FROM SHAKER SCREEN										
011		09	87 STTE WARN LETT	90/10/04	90/10/04			08 ISSUED	0				
	COMMENT NO.		COMMENT										

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

ACT. NO.	INDIR. NO.	AIR PROGRM	TYPE/DESCRIPTION	DATE SCHEDULD	DATE ACHIEVED	ACT. CAT.	STAFF	RESULTS	PENALTY	HDB	PLLT/CASN	RDE	16
	COMMENT NO.		COMMENT										
	001		FE'S AT SHAKER SCREEN										
012		09	85 SPEC ACT DUE/C	90/10/14	90/10/09			01 ACTION ACHIEVED			0		
	COMMENT NO.		COMMENT										
	001		RESPONSE TO 10/4/90 WARNING LETTER										
013		09	28 INSP ATTEMPT	91/09/30	91/08/12		E34	13 NOT OPERATING			0		
	COMMENT NO.		COMMENT										
	001		PER A. COLE 8/23/91 MEMO-FACILITY IN BAPCO YARD & TEMP. NOT OPERATING FOR THE SEASON										
014		09	28 INSP ATTEMPT	92/09/30	92/09/15		E34	13 NOT OPERATING			0		
015		09	17 ST COMP INSPEC	93/09/30	/ /			02 NOT ACHIEVED			0		
016		09	16 EPA INSPECTION	/ /	93/03/27			19 IN COMPLIANCE			0		
017		09	28 INSP ATTEMPT	94/09/30	94/07/07		E34	13 NOT OPERATING			0		
018		09	28 INSP ATTEMPT	94/09/30	94/07/21		E34	13 NOT OPERATING			0		
019		09	17 ST COMP INSPEC	94/09/30	94/07/29		E34	19 IN COMPLIANCE			0		
	COMMENT NO.		COMMENT										
	001		LOCATED AT RUPERT I-84 INTERCHANGE										

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

ACT. NO.	INDIR. NO.	AIR PROGRM	TYPE/DESCRIPTION	DATE SCHEDULD	DATE ACHIEVED	ACT. CAT.	STAFF	RESULTS	PENALTY	RD8	PLLT/CASN	RDE 16
020		09	17 ST COMP INSPEC	95/09/30	95/04/07		E34	19 IN COMPLIANCE		0	C	
021		09	17 ST COMP INSPEC	95/09/30	95/04/24		E34	19 IN COMPLIANCE		0		

COMMENT NO.	COMMENT
001	COMPLAINT INVESTIGATION

022		09	17 ST COMP INSPEC	96/09/30	/ /					0	C	

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

POINT INFORMATION: / 010 M - STORAGE PILES

STATE SENSITIVE INDICATOR:
DESIGN CAPACITY: 0 UNITS: -
CONTINUOUS EMISSIONS (Y/N): N
REGULATED SOURCE CLASS CODE: 30500203
OPERATING RESTRICTIONS:

LAST INSPECT. : / / TYPE: ---STATE--- : / / TYPE: ---EPA---
SOOT BLOWING :
TIMES PER DAY : 0 TIMES PER WEEK: 0 AM OR PM:

AIR PROGRAM: 9 - NSPS 0 - OPERATING
POLLUTANT-CODE: PT
COMPLIANCE STATUS: 3 - IN COMPLIANCE - INSPECTIO : -
STATE-IMPLEMENTATION-PLAN: - RDE7: RDE15:

QUARTERLY:(YY/QQ)
STATE:
1: 3 96/02 2: 3 96/01 3: 3 95/04 4: 3 95/03 5: 3 95/02 6: 3 95/01 7: 3 94/04 8: 3 94/03
EPA:
1: 96/02 2: 96/01 3: 95/04 4: 95/03 5: 95/02 6: 95/01 7: 94/04 8: 94/03

POINT INFORMATION: / 020 M - AGGREGATE HANDLING

STATE SENSITIVE INDICATOR:
DESIGN CAPACITY: 0 UNITS: -
CONTINUOUS EMISSIONS (Y/N): N
REGULATED SOURCE CLASS CODE: 30500204
OPERATING RESTRICTIONS:

LAST INSPECT. : / / TYPE: ---STATE--- : / / TYPE: ---EPA---
SOOT BLOWING :
TIMES PER DAY : 0 TIMES PER WEEK: 0 AM OR PM:

AIR PROGRAM: 9 - NSPS 0 - OPERATING
POLLUTANT-CODE: PT
COMPLIANCE STATUS: 3 - IN COMPLIANCE - INSPECTIO : -
STATE-IMPLEMENTATION-PLAN: - RDE7: RDE15:

QUARTERLY:(YY/QQ)
STATE:
1: 3 96/02 2: 3 96/01 3: 3 95/04 4: 3 95/03 5: 3 95/02 6: 3 95/01 7: 3 94/04 8: 3 94/03
EPA:
1: 96/02 2: 96/01 3: 95/04 4: 95/03 5: 95/02 6: 95/01 7: 94/04 8: 94/03

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: 00032 - BANNOCK PAVING COMPANY
STATE: ID/16 CITY: - PORTABLE
COUNTY: 777 - PORTABLE SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

POINT INFORMATION: / 030 M - HOT ELEVATORS

STATE SENSITIVE INDICATOR:
DESIGN CAPACITY: 0 UNITS: -
CONTINUOUS EMISSIONS (Y/N): N
REGULATED SOURCE CLASS CODE: 30500202
OPERATING RESTRICTIONS:

LAST INSPECT. : / / TYPE: (STATE) : / / TYPE: (EPA)
SOOT BLOWING :
TIMES PER DAY : 0 TIMES PER WEEK: 0 AM OR PM:

AIR PROGRAM: 9 - NSPS 0 - OPERATING (STATE) (EPA)
POLLUTANT-CODE: PT
COMPLIANCE STATUS: 3 - IN COMPLIANCE - INSPECTIO : -
STATE-IMPLEMENTATION-PLAN: - RDE7: RDE15:

QUARTERLY:(YY/QQ)
STATE:
1: 3 96/02 2: 3 96/01 3: 3 95/04 4: 3 95/03 5: 3 95/02 6: 3 95/01 7: 3 94/04 8: 3 94/03
EPA:
1: 96/02 2: 96/01 3: 95/04 4: 95/03 5: 95/02 6: 95/01 7: 94/04 8: 94/03

POINT INFORMATION: / 040 M - DRUM DRYER

STATE SENSITIVE INDICATOR:
DESIGN CAPACITY: 190 0 UNITS: - MMBtu/hr
CONTINUOUS EMISSIONS (Y/N): N
REGULATED SOURCE CLASS CODE: 30500201
OPERATING RESTRICTIONS:

LAST INSPECT. : 90/09/14 TYPE: 18 (STATE) : / / TYPE: (EPA)
SOOT BLOWING :
TIMES PER DAY : 0 TIMES PER WEEK: 0 AM OR PM:

COMMENT NO. COMMENT
001 C CONTROLS: BAGHOUSE OK

AIR PROGRAM: 9 - NSPS 0 - OPERATING (STATE) (EPA)
POLLUTANT-CODE: PT
COMPLIANCE STATUS: 3 - IN COMPLIANCE - INSPECTIO : -
STATE-IMPLEMENTATION-PLAN: - RDE7: RDE15:

QUARTERLY:(YY/QQ)

STATE PRIVATE AND SENSITIVE AND DRAFT SIP DATA INCLUDED

PLANT: DO PAVING COMPANY
STATE: IDRTABLE
COUNTY: 7 SOURCE AQCR: 064

GOV'T FACILITY CODE: 0 - ALL OTHER FACILITIES NOT OWNED OR OPER.
AIR-PROGRAM CODE(S): 0 9
OPERATING STATUS : 0 - OPERATING

POINT INFO M - PLANT ROADS

S	2: 3 96/01	3: 3 95/04	4: 3 95/03	5: 3 95/02	6: 3 95/01	7: 3 94/04	8: 3 94/03
E	2: 96/01	3: 95/04	4: 95/03	5: 95/02	6: 95/01	7: 94/04	8: 94/03

ADD

Point 260 - ELECTRICAL GENERATOR SET - 800 KW

cc: 20100102

Response to Comments and Questions Submitted During a
Public Comment Period on Bannock Paving's
Proposed Tier II Operating Permit (OP) #777-00032 for the Entire Facility

COMMENTS AND RESPONSES

Comment #1: The applicant has requested to increase the permitted allowable production throughput from 400 tons per hour to 550 tons per hour.

DEQ Response: DEQ revised the final OP to reflect this comment.

Comment #2: The applicant has requested to add #5 fuel oil to the permit.

DEQ Response: DEQ revised the final OP to reflect this comment and has incorporated the use of ASTM #5 fuel oil for the drum dryer burner.

Comment #3: The applicant has requested to add a portable 800 kW electrical generator set to the facility.

DEQ Response: DEQ revised the final OP to reflect this comment.