



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

900 North Skyline, Suite B • Idaho Falls, Idaho 83402-1718 • (208) 528-2650

Dirk Kempthorne, Governor
C. Stephen Alfred, Director

October 17, 2001

MEMORANDUM

TO: James Johnston, Regional Administrator
Idaho Falls Regional Office

FROM: Jorge Garcia, Air Quality Analyst *JG*
Idaho Falls Regional Office

SUBJECT: **PERMIT TO CONSTRUCT TECHNICAL ANALYSIS**
P-010540 ~~P-000540~~, Idaho Pacific Corporation
(Permit to Construct Modification, PTC # 051-00013)

PURPOSE

The purpose for this memorandum is to satisfy the requirements of IDAPA 16.01.01.200 (*Rules for the Control of Air Pollution in Idaho*) for issuing Permits to Construct.

PROJECT DESCRIPTION

Idaho Pacific Corporation is proposing to modify PTC 051-00013 issued by DEQ in October 17, 1994 for the Construction and operation of an utility boiler in their Potato dehydrating Plant Located in Ririe, Idaho. The modification being proposed is to allow for the utilization of natural gas as primary fuel to fire the utility boiler and to retain the use of propane as a secondary fuel.

SUMMARY OF EVENTS

On April 13, 2001 the Idaho Department of Environmental Quality (DEQ), Idaho Falls Regional Office received a PTC application from Idaho Pacific Corporation for this proposed modification. The application was determined incomplete on June 04, 2001. On July 3, 2001 Idaho Pacific Corporation submitted the additional information requested by the Department and the application was determined complete on the submittal day.

DISCUSSION

1. Equipment Listing:

Manufacturer	-- Bacock & wilcox
Model No.	-- FM 10-79
Steam output rate	-- 63000 lb of steam per hour
Heat input Capacity Rate	-- 93.4 MMBTU per hour
Primary fuel	-- Natural Gas
Secondary fuel	-- propane

Low Nox burner

Manufacturer -- Coen
 Model No. -- CPFLN-24

1.3.3 Exhaust Stack

Height -- 35 feet
 Exit Diameter -- 3.14 feet
 Exit Gas Temperature -- 350 °F
 Exit Volumetric Flowrate -- 21, 230 acfm

2. Emission Calculations Assumptions:

- One unit (boiler)
- Heat input capacity: 93.4 MMBTU
- Average gross heating value of natural gas: 1020 BTU/scf
- Actual routine operations are expected to be 8232 hr/yr.
- Emission factors were obtained from AP-42, Volume I, Chapter 1, Tables 1.4.1, 1.4.2., and 1.5.1 fifth edition, July 1998

2.1. Formula Used to estimate Annual Mass emission Rate for natural gas:

1. $E_x = EF_x \times \text{Activity Rate}$

Where :

$E_x =$ Annual emission of pollutant x

$EF_x =$ Emission factor

Example calculation:

$$E_x(\text{NO}_x) = 8232 \text{ hr / yr} \times 100 \text{ lb / } 10^6 \text{ scf} \times 1 \text{ scf / } 1020 \text{ BTU} \times 93.4 \text{ MMBTU / hr} \times 1 \text{ ton / } 2000 \text{ lb}$$

$$E_x(\text{NO}_x) = 37.7 \text{ ton/yr}$$

Table 1. Boiler Emissions Summary (Natural Gas)

Pollutant	PM-10		NOx		CO		VOC (as TOC)		SO ₂	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Emission factors lb/10 ⁶ scf	7.6		100.0		84		11.0		0.6	
Utility Boiler *	0.7	2.9	9.2	37.7	7.7	31.7	1.01	4.2	.06	0.23

2.2 Annual Mass Emission Rate for propane gas: (Example Calculation)

- a. The heating value for propane is 90,500 BTU/gallon
- b. On an hourly basis the maximum quantity of propane potentially burned in the boiler in one hour is

Nameplate heat rating capacity (BTU/hr input)
Heating value of fuel (BTU/gallon)

$$= \frac{93.4 \text{ MMBTU/hr}}{90,500 \text{ BTU/Gallon}}$$

$$= 1032.44 \text{ gallon/hr}$$

- c. On an annual basis the maximum quantity of propane fuel that could be burned is:

$$(1032.44 \text{ gallon/hr}) \times (2832 \text{ hr/yr}) = 2,922,749 \text{ gallon/yr}$$

- d. Maximum Annual Pollutant emission year: (SO₂)

$$\frac{(\text{Emission Factor}) \times (\text{Maximum amount of propane burned per year})}{(2000 \text{ lb/ton})}$$

The Propane emission factor is dependant upon the quantity of sulfur in the propane, according to the AP-42 factors the SO₂ emission factor can be calculated as follows:

$$0.10 \times S \text{ lb}/10^3 \text{ gallons of propane}$$

Where:

$$S = \text{sulfur content of fuel in grains}/100 \text{ FT}^3 \text{ of propane}$$

- According to the American Society for Testing and Materials (ASTM) the sulfur content of propane is 185 parts per million (ppm) or 0.000185 fraction by weight.
- The density of propane is 0.11599 lb/ft³
- The sulfur fraction of propane is: $(0.11599 \text{ lb}/\text{ft}^3) \times (0.000185) = 0.0002146 \text{ lb sulfur}/\text{ft}^3 \text{ of propane}$
- The grains of sulfur in 1 ft³ of propane is :
 $(0.0002146 \text{ lb sulfur}/\text{ft}^3 \text{ of propane}) \times (1 \text{ grain}/0.000143) = 0.15 \text{ grain of sulfur}/\text{ft}^3 \text{ (propane)}$
- Grains of sulfur in 100 ft³ of propane: $(0.15 \text{ grain}/\text{ft}^3) \times (100) = 15/\text{grain}/100\text{ft}^3$

Therefore: the Emission factor for propane is:

$$0.10 \times (S) = 0.10 \times (15) \text{ lb SO}_2 /10^3 \text{ gallon (Propane)} = 1.5 \text{ lb SO}_2 /10^3 \text{ gallon (propane)}$$

Maximum Annual emissions of pollutant per year (SO₂):

$$\frac{(1.5 \text{ lb SO}_2 /10^3 \text{ gallons of Propane}) \times (2,922,749 \text{ gallon/yr})}{(2000 \text{ lb/ton})}$$

$$= 2.19 \text{ ton/yr}$$

E. Maximum hourly emissions (SO₂):

$$(1.5 \text{ lb SO}_2/10^3 \text{ gallon of propane}) \times (1032.4 \text{ gallon/hr}) = 1.55 \text{ lb/hr}$$

Table 2. Boiler Emissions Summary (Propane Gas)

Pollutant	PM-10		NOx		CO		VOC (as TOC)		SO ₂	
	lb/hr	ton/yr	lb/hr	ton/yr	Lb/hr	ton/yr	Lb/hr	ton/yr	Lb/hr	Ton/yr
Emission factor lb/10 scf	0.6		19		3.2		0.5		1.5	
Utility Boiler	0.62	2.6	19.6	80.7	3.3	13.6	0.52	2.14	1.6	6.6

2. Area Classification

Idaho Pacific Corporation is located in Ririe, Idaho. The area is classified as attainment or unclassifiable for all regulated criteria air pollutants.

3. Facility Classification

This facility is a not major facility as defined by IDAPA 58.01.01.006.55, Neither a designated facility as defined by IDAPA 58.01.01.006.27. v. The facility is subject to 40 CFR 60 subpart Dc. The Standard Industrial Classification (SIC) code defining the facility is 2034 (Dehydrated Food Processing Plant), and the facility AIRS classification is B. This proposed modification is not a major modification as defined by IDAPA 58.01.01.006.56.

4. Modeling:

The uncontrolled ambient concentration of the source was estimated by modeling its uncontrolled emission rate. The EPA approved regulatory screening model Screen 3 was used to estimate whether or not the facility contribution to an increase in criteria pollutants was significant (Table 3). These results indicate that the contribution is less than significant for all criteria pollutants except for NOx. Screen 3 values for NOx exceeded the significant contribution level for both fuels. As a result a more complex model was used to estimate the veracity of such level. Five years (1987-1991) of meteorological data from the Pocatello National Weather Service Station was used as input for the model ISCT 3 (EPA approved regulatory model). ISCT3 (Appendix A) showed that the Annual contribution level of NOx is above the significant level for both propane and natural gas.

Table 4. (Summary of Modeling Results)

PARTICULATE MATTER (PM10) EMISSIONS FROM IDAHO PACIFIC INC. BOILER										
Emission Source	24-hour				Annual average					
	Release Rate lb/hr	Concentration factor**	Persistence factor	Concentration (ug/m3)	Concentration factor**	Persistence factor	Concentration (ug/m3)			
Propane	0.62	3.319	0.4	0.8	3.319	0.08	0.2			
Natural Gas	0.7	3.319	0.4	0.93	3.319	0.08	0.19			
		IDAPA Significant Contribution Level (ug/m3) 24 hour average:		5	IDAPA Significant Contribution Level (ug/m3) Annual average:		1			

CARBON MONOXIDE (CO) EMISSIONS FROM IDAHO PACIFIC INC. BOILER

Emission Source	1-hour average				8-hour average			
	Release Rate lb/hr	Concentration factor**	Persistence factor	Concentration (mg/m3)	Concentration Factor**	Persistence factor	Concentration (mg/m3)	
Propane	3.3	3.319	1	0.01	3.319	0.7	0.008	
Natural Gas	7.7	3.319	1	0.03	3.319	0.7	0.002	
		IDAPA Significant Contribution Level (mg/m3) 1 hour average:		2	IDAPA Significant Contribution Level (mg/m3) 8 hour average:		0.5	

SULFUR DIOXIDE (SO2) EMISSIONS FROM IDAHO PACIFIC INC. BOILER

Emission Source	3-hour average				24-hour			Annual average)		
	Release Rate lb/hr	Concentration factor	Persistence factor	Concentration (ug/m3)	Concentration factor**	Persistence factor	Concentration (ug/m3)	Concentration factor**	Persistence factor	Concentration (ug/m3)
Propane	1.6	3.319	0.9	2.98	3.319	0.4	2.13	3.319	0.08	0.43
Natural Gas	0.06	3.319	0.9	0.18	3.319	0.4	0.08	3.319	0.08	0.27
		IDAPA Significant Contribution Level (ug/m3) 24 hour average:		25	IDAPA Significant Contribution Level (ug/m3) 24 hour average:		5	IDAPA Significant Contribution Level (ug/m3) 24 hour average: 1		

NITROGEN OXIDES (NOx) EMISSIONS FROM IDAHO PACIFIC INC. BOILER

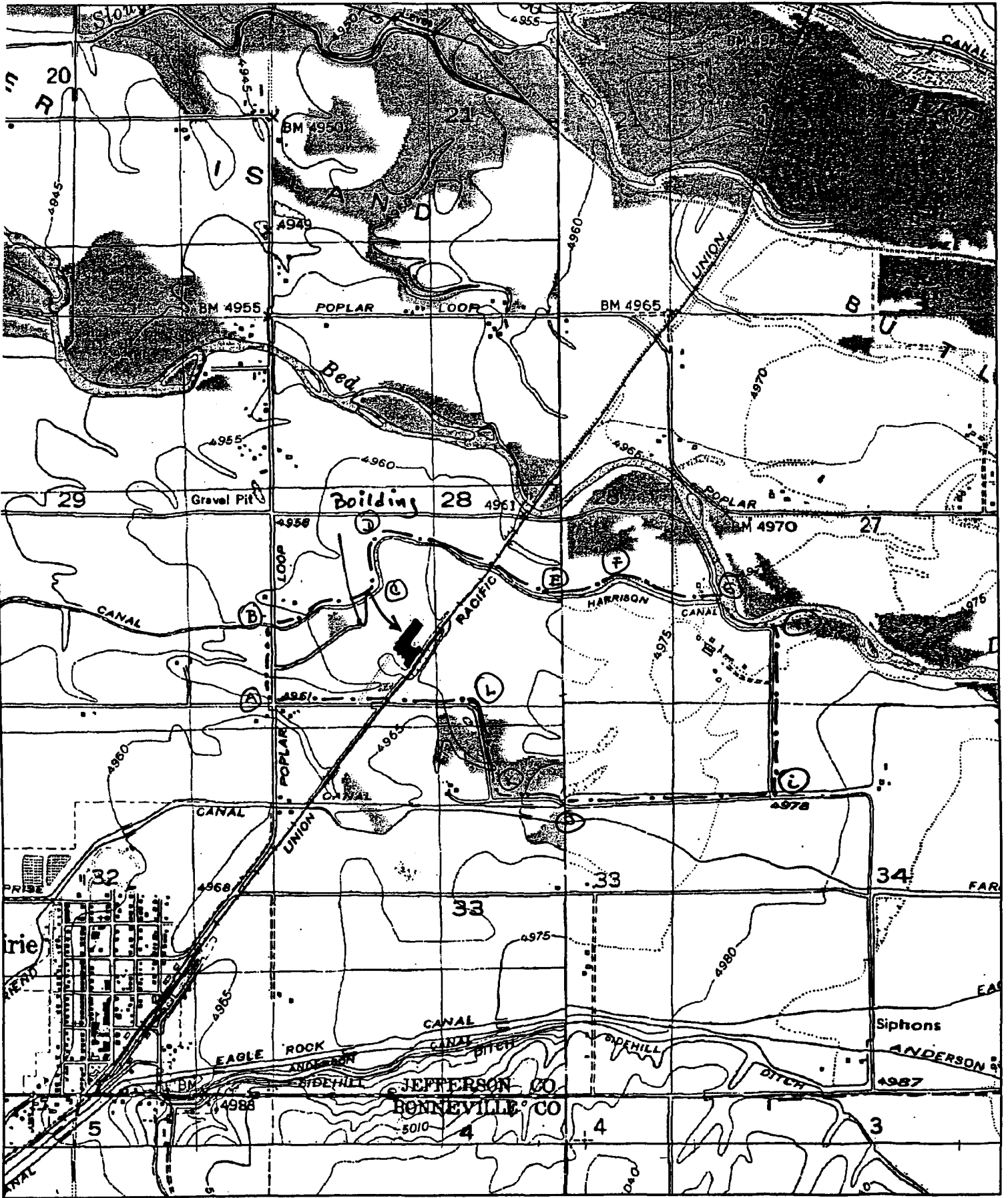
Emission Source	Annual average				Release Rate lb/hr	Isct3 annual factor. ug/m3	
	Release Rate* lb/hr	Concentration factor**	Persistence factor**	Concentration (ug/m3)	Release Rate	ISCST3 Annual Factor**	
Propane	19.6	3.319	0.08	5.2	3.33	19.6	0.17
Natural Gas	9.2	3.319	0.08	2.44	1.56	9.2	0.17
		IDAPA Significant Contribution Level (ug/m3) annual average:		1	1		

VOLATILE ORGANIC COUMPOUNDS (VOC) EMISSIONS FROM IDAHO PACIFIC INC. BOILER										
Emission Source	Annual average									
	Rel- ease Rate	Concen- -tration factor**	Persis- -tence factor**	Concentration (ug/m3)						
Propane	0.52	3.319	0.08	0.14						
Natural Gas	1.01	3.319	0.08	0.27						
		IDAPA Significant Contribution Level (ug/m3) annual average:	1							
<p>* Release rate value for Idaho Pacific Inc. Boiler based on maximum operation per the following parameters: 1032.4 gal/hr for propane fuel and 91, 600 ft³/hr for natural gas use per the emission factors listed in USEPA AP-42, Table 1.4.1., 1.4.2., and 1.5.1.</p> <p>*** ISCST3 calculated annual average factor (ug/m3 per lb/hr emission rate)</p> <p>** Screen-Calculated 1-hr average concentration factor (ug/m3 per lb/hr emission rate)</p>										

5. Regulatory Review

- IDAPA 58.01.01.006 Definitions;
- IDAPA 58.01.01.201 Permit to Construct Required;
- IDAPA 58.01.01.202 Application Procedures;
- IDAPA 58.01.01.203 Permit requirements for new and stationary modified sources;
- IDAPA 58.01.01.209 Procedures for issuing permits;
- IDAPA 58.01.01.211 Conditions for permits to construct;
- IDAPA 58.01.01.212 Obligation to comply;
- IDAPA 58.01.01.525 Registration and registration fees;
- IDAPA 58.01.01.526 Applicability;
- IDAPA 58.01.01.527 Registration;
- IDAPA 58.01.01.528 Request for information;
- IDAPA 58.01.01.529 Registration Compliance;
- IDAPA 58.01.01.530 Registration Fee;
- IDAPA 58.01.01.532 Payment Due;
- IDAPA 58.01.01.577 Ambient Air Quality Standards for Specific Air Pollutants;
- IDAPA 58.01.01.590 New source performance standards;
- IDAPA 58.01.01.625 Visible Emissions;
- 40 CFR 60 Subpart A General Provisions; and
- 40 CFR 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam generating units

APPENDIX A



© 2000 DeLorme. DeLorme XMap Geographic; Data source provided by USGS.
 Scale: 1 : 20,000 Zoom Level 13-8 Datum: NAD27

— · — · — = Property Boundary

500 m

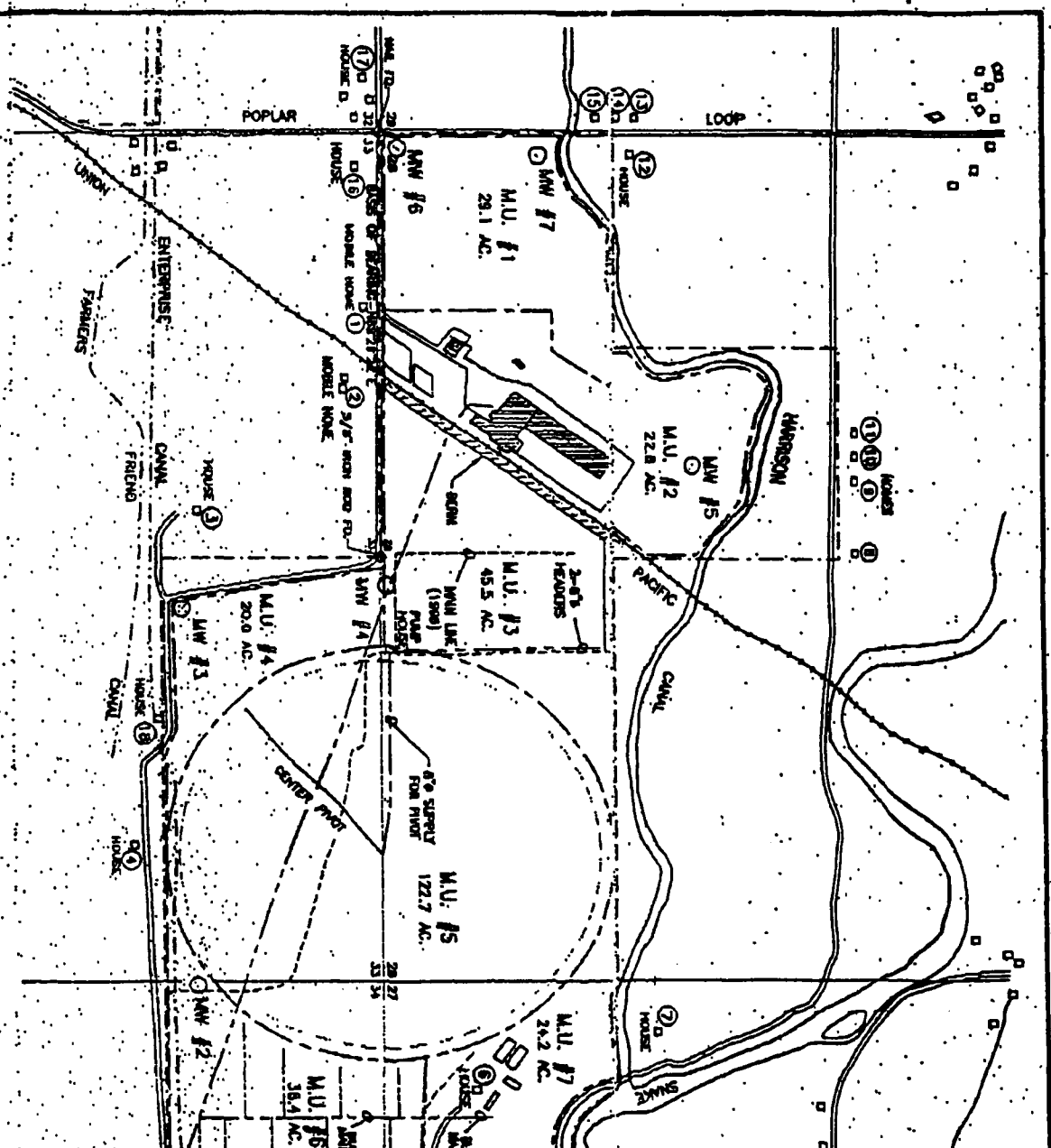
NO.	ASSEMBLY	DATE
1	1978	1/10
WELL NO. AND OTHER OWNED SUBSIDIARIES		
OUT WELL		
1/10		

MONITORING WELL DATA

WELL 1 NORTHING EASTING ELEVATION

1	1028.4	18200.9	4903.2
2	886.4	18306.0	4978.2
3	800.3	18290.8	4973.7
4	1004.2	18285.7	4971.1
5	1104.8	18208.9	4984.8
6	1011.8	18081.7	4983.7
7	1089.8	18137.2	4982.7

SCALE: 1" = 100'



GENERAL NOTES

1. SITE DATA BASED ON LEGS QUAD MAPS & DRAWINGS SUPPLIED BY IDAHO PACIFIC CORPORATION.
2. CORNERAINS ON MONITORING WELLS BASED ON THE FOLLOWING:
 - A. BASIS OF BEARING-NAD 29 21' E. ON THE SOUTH LINE.
 - B. THE SW CORNER OF SECTION 28: N-10000.00; E-10000.00.
3. ELEVATIONS BASED ON NAVD 88 DATUM.
4. BENCHMARK: U.S.C.M.S. "C-30" ELEV. 4915.5'

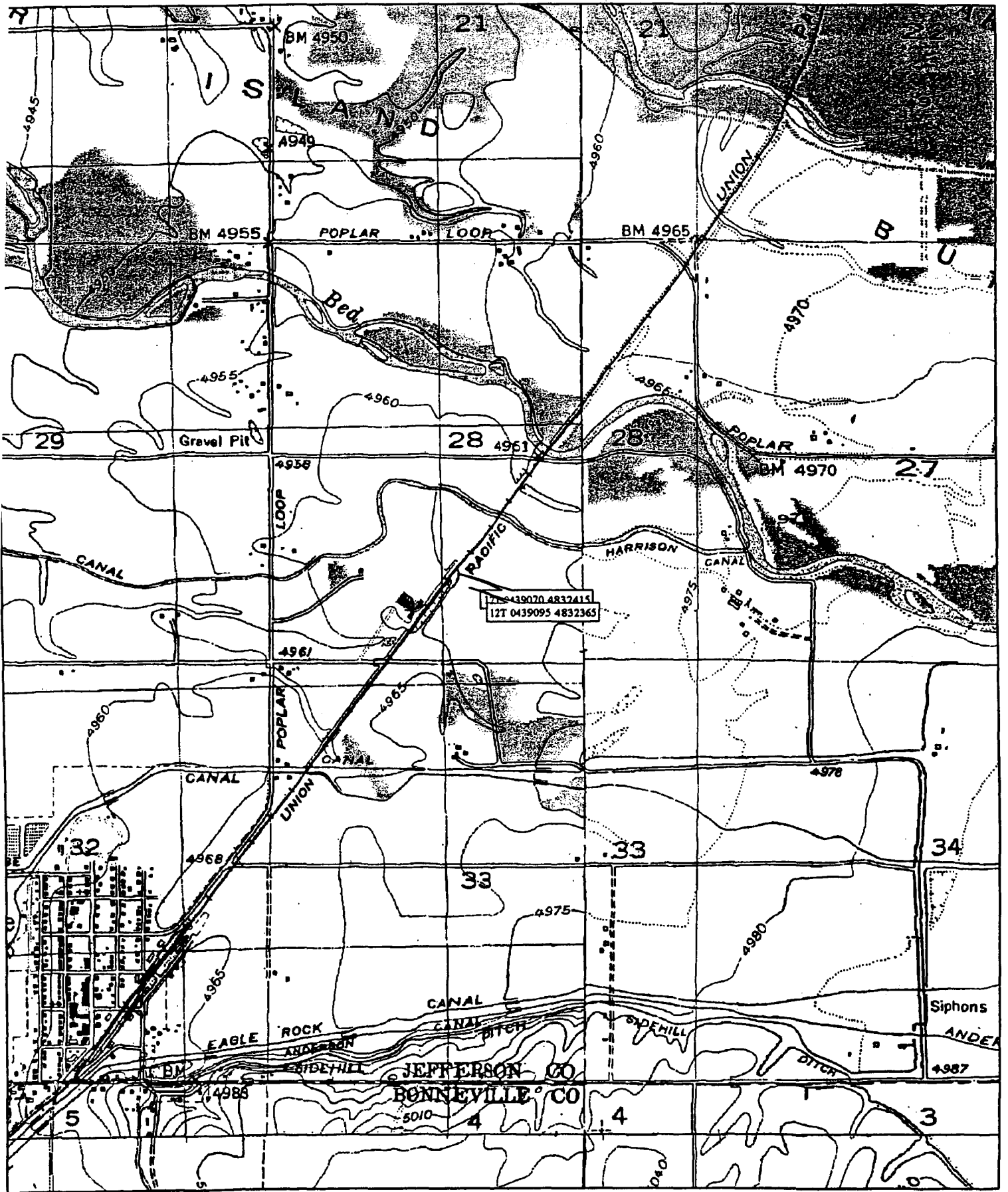
LEGEND

- ◆ SECTION CORNER FOUND
- ◆ 1/4 SECTION CORNER FOUND
- ◆ RESIDENCE
- MW #3 MONITORING WELL
- MW #5 MONITORING WELL
- CANAL
- PIPELINE
- DITCH
- PROPERTY BOUNDARY
- MANUFACTURE UNIT BOUNDARY

SITE PLAN
IDAHO PACIFIC CORPORATION

A PORTION OF
SECTIONS 27, 28, 33, 34, 73N, R40E
JEFFERSON COUNTY, IDAHO

Prepared for
DAVID PACIFIC CORPORATION
1620 S. HOWELL, OAK GROVE, IDAHO 83402
JEFFERSON COUNTY, IDAHO
1200 S. HOWELL, OAK GROVE, IDAHO 83402
(208) 523-2899



08/13/01

11:30:35

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

Idaho Pacific Corporation Inc.

SIMPLE TERRAIN INPUTS:

SOURCE TYPE	=	POINT
EMISSION RATE (G/S)	=	0.126000
STACK HEIGHT (M)	=	10.6680
STK INSIDE DIAM (M)	=	0.9571
STK EXIT VELOCITY (M/S)	=	13.9272
STK GAS EXIT TEMP (K)	=	449.8167
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 = 10.893 M**4/S**3; MOM. FLUX = 28.949 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

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

DIST	CONC		U10M	USTK	MIX HT	PLUME	SIGMA
(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	Y (M)
Z	DWASH						
(M)							
1.	0.000	1	1.0	1.0	320.0	138.55	2.34
2.31	NO						
100.	0.4594	3	10.0	10.1	3200.0	23.21	12.65
7.75	NO						
200.	3.179	3	10.0	10.1	3200.0	23.21	23.87
14.45	NO						
300.	3.240	4	15.0	15.1	4800.0	18.04	22.74
12.33	NO						
400.	2.934	4	15.0	15.1	4800.0	18.04	29.55
15.46	NO						
500.	2.712	4	10.0	10.1	3200.0	23.16	36.33
18.65	NO						
600.	2.516	4	8.0	8.1	2560.0	26.57	42.96
21.69	NO						
700.	2.278	4	8.0	8.1	2560.0	26.57	49.40
24.46	NO						
800.	2.190	4	5.0	5.0	1600.0	36.11	56.05
27.75	NO						
900.	2.070	4	5.0	5.0	1600.0	36.11	62.31
30.35	NO						
1000.	1.946	4	4.5	4.5	1440.0	38.94	68.60
33.09	NO						
1100.	1.822	4	4.0	4.0	1280.0	42.47	74.86

35.31	NO							
1200.	1.719	4	4.0	4.0	1280.0	42.47	80.95	
37.22	NO							
1300.	1.622	4	3.5	3.5	1120.0	47.02	87.14	
39.39	NO							
1400.	1.542	4	3.5	3.5	1120.0	47.02	93.13	
41.19	NO							
1500.	1.465	4	3.5	3.5	1120.0	47.02	99.09	
42.94	NO							
1600.	1.396	4	3.0	3.0	960.0	53.08	105.19	
45.10	NO							
1700.	1.339	4	3.0	3.0	960.0	53.08	111.07	
46.76	NO							
1800.	1.374	5	1.0	1.0	10000.0	76.07	88.96	
36.48	NO							
1900.	1.423	5	1.0	1.0	10000.0	76.07	93.24	
37.42	NO							
2000.	1.466	5	1.0	1.0	10000.0	76.07	97.51	
38.35	NO							
2100.	1.493	5	1.0	1.0	10000.0	76.07	101.76	
39.18	NO							
2200.	1.516	5	1.0	1.0	10000.0	76.07	106.00	
40.00	NO							
2300.	1.533	5	1.0	1.0	10000.0	76.07	110.22	
40.80	NO							
2400.	1.547	5	1.0	1.0	10000.0	76.07	114.43	
41.60	NO							
2500.	1.558	5	1.0	1.0	10000.0	76.07	118.62	

42.38	NO							
2600.	1.565	5	1.0	1.0	10000.0	76.07	122.80	
43.16	NO							
2700.	1.569	5	1.0	1.0	10000.0	76.07	126.97	
43.93	NO							
2800.	1.571	5	1.0	1.0	10000.0	76.07	131.12	
44.68	NO							
2900.	1.571	5	1.0	1.0	10000.0	76.07	135.26	
45.43	NO							
3000.	1.568	5	1.0	1.0	10000.0	76.07	139.39	
46.17	NO							
3500.	1.584	6	1.0	1.0	10000.0	64.71	106.77	
32.84	NO							
4000.	1.606	6	1.0	1.0	10000.0	64.71	120.17	
34.49	NO							
4500.	1.607	6	1.0	1.0	10000.0	64.71	133.40	
36.05	NO							
5000.	1.592	6	1.0	1.0	10000.0	64.71	146.49	
37.53	NO							
5500.	1.568	6	1.0	1.0	10000.0	64.71	159.44	
38.95	NO							
6000.	1.537	6	1.0	1.0	10000.0	64.71	172.27	
40.31	NO							
6500.	1.501	6	1.0	1.0	10000.0	64.71	184.99	
41.61	NO							
7000.	1.463	6	1.0	1.0	10000.0	64.71	197.60	
42.88	NO							
7500.	1.418	6	1.0	1.0	10000.0	64.71	210.11	
43.96	NO							

DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

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

CONC (UG/M**3) = 0.000

DIST TO MAX (M) = 1693.87

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	----- 3.494	----- 221.	----- 0.

**BEE-Line Software: BEEST for Windows (Version 8.14) data input file

** Model: ISCST3 File Creation Date: 9/24/01 Time: 11:00:30 AM

NO ECHO

CO STARTING
 CO TITLEONE Idaho Pacific Corporation
 CO MODELOPT DFAULT CONC RURAL
 CO AVERTIME 1 ANNUAL
 CO POLLUTID NOX
 CO TERRHGTS FLAT
 CO RUNORNOT RUN
 CO FINISHED

SO STARTING						
SO ELEVUNIT METERS						
SO LOCATION BOILER POINT	438870.	4832290	1515.			
SO SRCPARAM BOILER	0.126	10.668	449.82	13.92722	0.9571	
SO BUILDHGT BOILER	0.00	0.00	0.00	0.00	0.00	0.00
0.00						
SO BUILDHGT BOILER	0.00	0.00	0.00	0.00	0.00	0.00
0.00						
SO BUILDHGT BOILER	0.00	0.00	0.00	0.00	0.00	0.00
0.00						
SO BUILDHGT BOILER	0.00	0.00	0.00	0.00	0.00	0.00
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SO BUILDHGT BOILER	0.00	0.00	0.00	0.00	0.00	0.00
0.00						
SO BUILDWID BOILER	0.00	0.00	0.00	0.00	0.00	0.00
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 SO BUILDWID BOILER 0.00 0.00 0.00 0.00 0.00

0.00
 SO SRCGROUP ALL
 SO FINISHED

RE STARTING
 RE GRIDCART GRID_NE STA
 RE GRIDCART GRID_NE XYINC 438870 100 25 4832290 100 25
 RE GRIDCART GRID_NE END
 RE GRIDCART GRID_NW STA
 RE GRIDCART GRID_NW XYINC 438870 100 -25 4832290 100 25
 RE GRIDCART GRID_NW END
 RE GRIDCART GRID_SE STA
 RE GRIDCART GRID_SE XYINC 438870 100 25 4832290 100 -25
 RE GRIDCART GRID_SE END
 RE GRIDCART GRID_SW STA
 RE GRIDCART GRID_SW XYINC 438870 100 -25 4832290 100 -25
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 RE DISCCART 438340.0 4832090.0
 RE DISCCART 438340.8 4832113.8
 RE DISCCART 438341.5 4832137.7
 RE DISCCART 438342.3 4832161.5
 RE DISCCART 438343.1 4832185.4
 RE DISCCART 438343.8 4832209.2
 RE DISCCART 438344.6 4832233.1
 RE DISCCART 438345.4 4832256.9
 RE DISCCART 438346.2 4832280.8
 RE DISCCART 438346.9 4832304.6
 RE DISCCART 438347.7 4832328.5
 RE DISCCART 438348.5 4832352.3
 RE DISCCART 438349.2 4832376.2
 RE DISCCART 438350.0 4832400.0

RE DISCCART 438372.6 4832408.9
RE DISCCART 438395.3 4832417.9
RE DISCCART 438417.9 4832426.8
RE DISCCART 438440.5 4832435.8
RE DISCCART 438463.2 4832444.7
RE DISCCART 438485.8 4832453.7
RE DISCCART 438508.4 4832462.6
RE DISCCART 438531.1 4832471.6
RE DISCCART 438553.7 4832480.5
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OU STARTING
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*** ISCST3 - VERSION 00101 ***
 *** Idaho Pacific Corporation

*** Model Executed on 09/24/01 at 13:03:29 ***

BEE-Line ISCST3 "BEEST" Version 8.10

Input File - C:\My Documents\IP2_91_NOX.DTA

Output File - C:\My Documents\IP2_91_NOX.LST

Met File - Q:\Model\Poki met data\POC91.ASC.txt

Number of sources - 1
 Number of source groups - 1
 Number of receptors - 40000

*** POINT SOURCE

DATA

CK	STACK	STACK	STACK	BUILDING	EMISSION	EMISSION	BASE	STA
	SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEI	
GHT	TEMP.	EXIT	VEL.	DIAMETER	EXISTS	SCALAR	VARY	
ERS)	ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(MET	
(DEG.K)	(M/SEC)	(METERS)		BY				
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

