

Air Pollution TIER II OPERATING PERMIT

State of Idaho Department of Environmental Quality PERMIT NO.: 001-00115

AQCR: 64

CLASS: SM

SIC:

2431

ZONE: 11

UTM COORDINATE (km): 548.3, 4828.3

1. PERMITTEE

LP Wood Polymers, Inc.

2. PROJECT

Tier II Operating Permit - Northern Ada County PM₁₀ Maintenance Plan

			1
MAILING ADDRESS 420 West Franklin	C/TY Meridien	STATE Idaho	ZIP 83642
FACILITY CONTACT Camren Richter	TITLE Group Environmental Manager	TELEPHONE (216) 233-0394	
5. RESPONSIBLE OFFICIAL Ken Ropski	TITLE Plant Manager	TELEPHONE (208) 888-6798	
6. EXACT PLANT LOCATION		COUNTY	

420 West Franklin

Ada

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Extruded Decking Manufacturing

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 58.01.01.400 and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes In design or equipment, which result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to the Department review in accordance with Section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY DATE ISSUED:

July 12; 2002

Permittee:

LP Wood Polymers, Inc.

Location:

Meridian, Idaho

Date Issued:

July 12, 2002

- Poto Expires ---

-July 19 2007

SOURCE: Storage Silo Baghouse, Baghouses Associated with Conversion Project, Receiver Filters, Cartridge Filters, Grinder Baghouse (BH1), and Associated Vehicle Traffic

- ENIGOIONS LIMITS

1.1 EMISSIONS LIMITS

Particulate matter (PM) and particulate matter with an aerodynamic diameter less than or equal to a norminal ten micrometers (PM₁₀) emissions from the storage silo baghouse stack, baghouse stacks associated with the conversion project, filter receivers, cartridge filters, and grinder baghouse (BH1), shall not exceed the pounds per hour (lb/hr) and the tons per any consecutive 12-month period (T/yr) limits listed in Appendix.

1.2 -- OP A SITY LIMITE

Emissions from the storage baghaves stady, baghaves stacke accepted with the conversion project, their fectivers, certridge filters, or any other stack, vent, or functionally equivalent opening, shall not exceed 26% specify for a periods aggregating more than three minutes in any 60 minute pariods in equival by IBAPA 50.01.01.625 (Bules for the Control of Air Pottytion in Idaha). Openity shall be determined by the according to the control of Air Pottytion in Idaha).

1.3 VISIBLE EMISSIONS LIMITS

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Environmental Protection Agency Reference Method 22 (as described in 40 CFR 60), the Appendix, or a Department-approved alternative method.

OF ETOTING THE ATTENDED

2.1. OPERATING HOURS

The storage bashease beginning associated with the serversion project, filter receivers, carbidge filters, and ETT shall be operated assorting to their respective operation and maintenance (C&M) manual or manufacturer's appointations during operation.

<u> 1984 — Dualeauge Pressure Drop</u>

receivers, sartidge filters, and \$1.11 shall be maintained within the manufacturer's specifications or the O&N
modulal. Decumentation of the operating pass rurs drup resolings for the begindeses, filter receivers, and miter
certaines shall remain entitle at all times and made available to Department representatives upon request.

2.2 Panisas mont Book Elitore and Cartridges

All bag, filter, and cartridge replacements must be of the same or equivalent performance quality as stated within the facilities explication.

Permittee:

LP Wood Polymers, Inc.

cation:

Meridian, Idaho

Date Issued:

July 12, 2002

Pate Expired.

July 12, 2007

SOURCE: Storage Silo Baghouse, Baghouses Associated with Conversion Project, Receiver Filters, Cartridge

Filters, Grinder Baghouse (BH1), and Associated Vehicle Traffic

Reasonable O. trail of Fusitive Emissions

As required in 1D A PA 58 01 A1 651, all reconneble progrations shall be taken to prevent PM from becoming silverner in determining what is reasonable, considerations will be given to feature such as the prevents of destructions and as activities and almospheric conditions that might affect the

2 ... A the accompable progrations include, but are not limited to the following:

- 2.4.1 Using noter a, alternations for each alling dust when dee clicking evicting wildings on the attento, parforming each under approximate, grading reade, and clearing of leads;
- 2.4.2 Applying copinal treatment or suitable chamicals to at covering, did souds, material stockpiles, and other surfaces of by an excellent usit.
- 3.4.3 Listalling and using boods, tape and fabric filters, or equivalent syntoms to exclose and vent the dusty miderials.

 Adequate containment methods should be employed during conditioning or other operations;
- 2.4.4. Covering open hadied trucks transporting materials likely to give rice to exhame dusts;
- Company of the second s
- the state of the s
- A MOUTODING AND DECORDANG REQUIREMENTS

3.1 <u>Monitor Operation Parameters</u>

The permittee shall monitor and record on a weekly basis, the pressure drop across each baghouse, receiver filter, and cartridge filter. The most recent two years' compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request.

Charles and Maintenance (COM) Maintenance

Within 60 days after storiup, the permittee shall have developed on OSM macual for each highway requirer little, and cartridge filter system that describes the protectures followed to samply with. Consul Provision B and the manual start and solution control device appointed lines. This manual shall complete at all times and be apply to the Deportment representatives upon request.

KEP OKTING REQUIREMENTS

-Continue of Deciments

All descripts submitted to the Department, including, but not limited to, records, menitoring data, supporting intermed in summand, regarder for confidential treatment, testing reporter or compliance confidentials, shall contain a confidential by a respectible efficiel. The confidential shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the decument(s) are true, accurate, and converted.

PERMITTEE: LOCATION: LP WOOD POLYMERS, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

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Appendix

Appendix

LP Wood Polymers, Inc.

Hourly (lb/hr)^b and Annual^f (T/yr)^d Point Source Emissions Limits^a

	PM₁0 ⁸		
SOURCE	lb/hr»	T/yr	
Storage Silo Baghouse Stack	0.014	0.06	
Combined emissions of Baghouses, receiver filters, and cartridge filters from Conversion Project with associated vehicle traffic	0.6	2.62	
Grinder Baghouse (BH1)	0.09	0.39.	
Totals	0.704	3.07	

- As determined by a pollutant-specific U.S. EPA reference method, Department-approved alternative, or as determined by the Department emissions estimation methods used in the permit application analysis.
- Pound per hour
- As determined by multiplying the actual or allowable (if actual is not available) ib/hr emissions rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- d Tons per year
- PM₁₀ particulate matter with an aerodynamic diameter of 10 microns or less.

PERMITTEE:

LP WOOD FOLYKERS, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

ASSESSMENT OF THE POST OF THE

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Air Pollution in Idaha and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idah 5) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, of in which any records are required to be kept under the terms and conditions of this permit; and
 - At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state approved or accepted Environmental Protection Agency procedures when deemed appropriate by the birector.
- D. Except for data determined to be confider vial under Section 9-342A, daho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained thereig.
- Performance tests (i.e., air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01:157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advance notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall

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PERMITTEE: LOCATION:

J.

LP WOOD POLYMERS, INC.

MERIDIAN, IDAHO

DATE ISSUED:

July 12, 2002

AL En Regal 1 - Jost 12, 2007

GENERAL PROVISIONS

include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the overage operating rate attained during the most recent performance test conducted pursuant to this pointit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emissions limit unless (1) a more restrictive operating limit is specified elsewhere in this permit, or (2) at such an operating rate, emissions would exceed any emissions limit(s) set forth in this permit.

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



Air Pollution TIER II OPERATING PERMIT

State of Idaho
Department of Environmental Quality

PERMIT NO.: 001-00046

AQCR: 64

CLASS: B

SIC:

3273

ZONE:

11

UTM COORDINATE (km):

554.3,4823.5

1 PERMITTEE

Consolidated Concrete Company

2. PROJECT

Tier II Operating Permit

3. MAILING ADDRESS P.O. Box 9225

CITY Boise STATE Idaho ZIP 83707

4. FACILITY CONTACT

Bonnie Short

TITLE M**a**nager TELEPH ONE (208) 93 9-0303

5. RESPONSIBLE OFFICIAL

11532 W. Joplin Road

TITLE Manager TELEPH ONE (208) 93-9-0303

Bonnie Short

6. EXACT PLANT LOCATION

COUNTY

Ada

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Concrete Production

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, Section 58.01.01.400 and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment that results in any change in the nature or amount of emissions, may be a modification. Modifications are subject to the Department review in accordance with section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY DATE ISSUED:

December 3, 2001

PART EVOIDED.

- Desember 8: 2006

Permittee:

Consolidated Concrete Company

Location:

Boise, Idaho

Date Issued:

December 3, 2001

Date Expires:

December 3 2000

SDURCE Sand & Gravel Transfer Weigh Hopper, Truck Mixing, Vehicle Transcrand Associated Enliss Tong

THE SHOP LIMITS

(1.1) Emission Limits

Particulate matter (PM) and particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM₁₀) emissions from the sand and gravel transfer, weigh hopper, truck mixing, vehicle traffic and wind erosion, shall not exceed the pounds per hour (lb/hr) and the tons per any consecutive twelve (12) month period limits listed in the Appendix.

. 100 ----- Opacity Limit

Emissions from the sand and ground transfer, weighthepper, trust mining, validable efficient accordated presented, which are fundiagnally equivalent appring, shall not exceed 20 persons appoint for a period apperlant. Suggregating more than three minutes to day 60 minute period as required by IDADA.

50.64.64.625 (Furian for the Control of Air Particles in Idaha). Opening that he determined by the president action IDADA 59.01.01.035

1.3 Visible Emission Limits

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by EPA Reference Method 22 (as described in 40 CFR 60), the Appendix, or Department-approved alternative method.

2.4 Operating Requirements

The eard and groups transfer, weigh hopper, and truck mixing shall be operating within their respective operating and maintenance (OSM) manual or their manufacturer's operations any time their related present as) is/are in securities.

2.0 Congrete Deghouse

The experses begins on and the building covering process operations shall be maintained as stated within the manufacturer's specifications or the OSM manuel.—Desumentation of the maintenance or change of operation of the sense to begin and the building covering process operations shall remain ensite at all times and shall be made a railable to Department representatives upon request.

2.3 Material Throughput

The permittee shall not exceed the production of 250,000 cubic yards of concrete per any consecutive 12-month period.

Permittee:

Consolidated Concrete Company

Location:

Boise, Idaho

Date Issued:

December 3, 2001

Date Expirence

December 0, 2000

SOURCE Sand & Grave I transfer, Weigh Hopper, Truck Mixing, Vehicle Traffic and Associated Emissions.

2.3 Ressenable Control of Engitive Emissions

All-recognible processions shall be taken to prevent PM from becoming airboine as required in IDAPA.

60.64.94.954. In determining what is reasonable, considerations will be given to feeters such as the proximity of dust emitting operations to human habitations and/or estivities and otherspheric conditions that might effect the meyoment of PM. Some of the recognible processions include, but are not limited to, the following:

- 2/3.4. Use autom practical of water or chemicals for control of dust in the domalition of existing buildings or etrustrates
- 2.2.2 Application, where precised, of capitalt, all water or suitable characteristics, as covering of distracts, material stankailes, and other suitable can create dust;
- 2.2.2 Installation and vice subside practical, of beads, fore and tobic filters or equivalent systems to enclose and vent the headling of dusty-materials. Adequate containment matheds should be employed during conditioning or other operations:
- 2.2.4. Covering, where practical, of epon badied trucks transporting materials likely to give rise to sirborne ducto;
- 2.2.6 Paving of readways and their maintenance in a clotin condition, where precipal, or
- 3.5 C. Descript remarked of earth or other stared material from streets, where prestical
 - MANUFACTURE AND DESCRIPTION PERSONS PROGRESSIONS

3.1 Monitor Operation Parameters

The permittee shall monitor and record on a weekly basis, any visible emissions from the concrete baghouse. The most recent two years' compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request.

2: Concrete Production

The permittee shall maintain a record of the cubic yards of concrete produced per any consecutive 12-month period. Production records shall be updated monthly.

Within CO days offer permit increases, the permitted chall have developed an OPM manual factor paperate bughaves and the water usage covering the concrete production operation that describes the procedures followed to samply with Congret Provision B and the manufacturer's air pollution control device specifications. This translated what empire social times and shall be made available to Department representatives upon account.

Permittee:

Consolidated Concrete Company

Location:

Boise, Idaho

Date issued:

December 3, 2001

Pete Expires

Describer 0; 2000

SOURCE: Sand & Gravel Transfer, Weigh Hopper, Truck Mixing : Vehicle Traffic and Associated Emissions

THE OTHER PROPERTY.

- Continuotion of Descriptions

All decreases submitted to the Department, including but not limited to recently modificing date, supporting information, so prosts for confidential treatment, testing reports; or compliance certifications, chall contain a certification by a responsible official. The certification shall state that these does information and belief formed after the decrease or information and patients.

PERMITTEE: LOCATION:

CONSOLIDATED CONCRETE COMPANY

BOISE, IDAHO

DATE ISSUED:

DECEMBER 3, 2001

Appendir

APPENDIX

Consolidated Concrete Company

Hourly (lb/hr)^b and Annual^c (T/yr)^d Point Source Emissions Limits^a.

SOURCE	- Jong	
Concrete Storage Silo Baghouse	0.7	0.1
Associated Process Emissions	16	20

- As determined by a pollutant-specific U.S. EPA reference method,
 Department-approved alternative, or as determined by the Department emission estimation methods used in the permit application analysis.
- Pound per hour
- As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- d Tons per year.
- PM₁₀ particulate matter with an aerodynamic diameter of 10 microns or less.

AIR QUALITATIER II OPERATING PERMIT NUM.

Consolidated Concrete Company Permittee: Location:

The Contract Manager Street

Date Issued:

December 3, 2001

Boise, Idaho

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of A. and 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 and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho maintain В. and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, own which any records are 1. required to be kept under the terms and conditions of this permit, and
 - At reasonable times to fleve access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack 2. emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- Except for data determined to be confidential under Section 9-342A, Igaho Code, all reports prepared in D. accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein. E.
- In the event of any change in control or ownership of source(s) from which the authorized emissions ermanate, the F. permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- This permit shall be renewable on the expiration date, provided the permittee submits any and all information. G. necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Fallure to submit such information within 10 days after receipt of the Director's request shall cause the permit to be voided.
- The Director may require the permittee to develop a list of operation and maintenance procedures to be approved H. by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein
- Performance tests (i.e. air emission source tests) conducted pursuant to testing requirements in this permit must I. be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the parmittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such so, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least 5 working days advanced notice prior to conducting any resche uled test, unless the Department approves a shorter notice period.

hin 30 days of the date on which a performance test required by this permit is concluded, the permittee shall Submit to the Department a performance test report for the respective test. The performance test report shall

Permittee: Location: Consolidated Concrete Company

Boise, Idaho

Date Issued:

December 3, 2001

lete Expirees -

Desember 3, 2006

GENERAL PROVISIONS

Include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test and ucted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which deposits, field compliance with the respective pollutant emission limit unless (1) a more restrictive operating limit is specified elsewhere in this permit or (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

J. The provisions of this permit are severable; 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.

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Air Pollution TIER II OPERATING PERMIT

State of Idaho Department of Environmental Quality PERMIT NO.: 027-00020

AQCR: 64

.CLASS: SM

SIC:

721

ZONE:

UTM COORDINATE (km): 524 .107, 4835 . 085

1. PERMITTEE

Crookham Company

2. PROJECT

Tier It Operating Permit – Northern Ada County PM₁₀ Maintenance Plan

3. MAILING ADDRESS P.O. Box 520	CITY Caldwell	STATE Idaho	ZIP 83606
FACILITY CONTACT Gene Hibbard	TITLE Plant Supervisor	TELEPHONE (208) 459-7451	
RESPONSIBLE OFFICIAL Gene Hibbard	TITLE Plant Supervisor	TELEPHONE (208) 459-7451	
6. EXACT PLANT LOCATION 301 West Warehouse, Caldwell		COUNTY Canyon	· .

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Corn, onion seed, and carrot seed processing

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants that are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to Department review in accordance with Section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY DATE ISSUED:

January 18, 2002

DATE EXPIRES.

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Permittee:

Crookham Company

Location:

Caldwell, Idaho

Date Issued:

January 18,2002

Dato Expires:

January 19, 2087

SOURCE: Receiving, Husking, Drying, Shelling, Scalping, Sizing, Electronically Identifying, Bagging, and

Vehicle Traffic

1----EMISSION-LIMITS

1.1 Emission Limits

Particulate matter (PM), and particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM₁₀) emissions from the stacks associated with the processes of receiving, husking, drying, shelling, sizing, electronically identifying, and bagging com, onion, and carrot seeds, as well as vehicle operation shall not exceed the pounds per hour and the tons per any consecutive 12-month period limits listed in the Appendix of this permit.

1.2 <u>Opeoity Limit</u>

Emissions from the stacks essentiated with the presesses of receiving, bucking, drying, shelling, sizing, electronically identifying, and bagging of corn, onion and carrot seeds, as well as vehicle, on any other stack, vent, or for citizally equivalent opening, shall not exceed 20 percent opening for a period or periods aggregating more than the principle in any 60-minute period as required by IDAPA 58.04.04.625 (Rules for the Control of Air Pollution in Idaho). Opacity shall be determined by the presedure, contained in IDAPA 56.94.64.625.

Visible Emission Limits

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Environmental Protection Agency Reference Method 22, as described in 40 CFR 60, the Appendix, or a Department-approved alternative method.

2.1 Operating Hours

In each process, the receiving, husking, drying, shelling, sizing, electronically identifying, and bagging shall not exceed 1,210 hours of operation per any consecutive 12-month period.

2-2 Process Requirements

The receiving, husking, drying, shelling, sizing, electronically identifying, bagging-processes, and vehicle traffic fugitive dust-control-shall be maintained as stated within the manufacturer's specifications or associated eperation and maintenance menual. Decumentation of meintenance or operation changes for any process or traffic fugitive dust-operations shall remain onsite at all times and made available to Department representatives upon request.

2.3 Material Throughput

The permittee shall not exceed the receiving limit of 14,000 tons of material for processing per any consecutive 12-month period.

Permittee:

Crookham Company

Location:

Caldwell, Idaho

Date issued:

January 18, 2002

Date-Expires-

-January 15 ,2007

SOURCE: Receiving, Husking, Drying, Shelling, Scalping, Sizing, Electronically Identifying, Bagging, and Vehicle Traffic.

2.4 Rescensible Control of Eugitive Emissions

Accrequired in IDARA 58-01-01-651, all-reasonable-presautions-shall-be-taken-to-prevent PM-from-becoming eirborne. In determining what is reasonable, considerations will be given to factors such as the proximity of dust emitting-operations to human-habitations and/or activities and almospheric conditions that might affect the movement of PM.

Seme-of-the-reasonable-precautions-include, but are not limited to, the following:

- 2.4.1 Using water or chemicals for controlling dust when demolishing existing buildings or structures, performing construction operations, grading reads, and electing of lands;
- 2.42 Applying asphalt, water or suitable chemicals to or covering, dist reads, material stockpiles, and other surfaces that can areate dust;
- 2.4.3 installing and using boods, fans and fabric liters, or equivalent systems to enclose and vent the dusty-materials.

 Adequate containment methods should be employed during sandblasting or other operations;
- 2.4.4. Covering once hadded toucks transporting materials likely to give rise to airborne ducto:
- 2.4.5 Pavilio of readways and maintaining thermin a clear condition; or
- 24.6 Premptly removing earth-or ether stored material-from-stroots.
- 3. MONITORINO AND RECORDICEPING REQUIREMENTS

3.1 Monitor Operation Parameters

The most recent five-year compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request. The permittee shall monitor and record, on a weekly basis, the information listed below.

- 3.1.1 Any visible emissions from any stack associated with a process on a weekly basis
- 3.1.2 Hours of operation each year

3.2 Material Received

The permittee shall maintain a record of the material received for processing during any consecutive 12-month period.

3.3 - Operations and Maintenance (OSM) Manual Requirements

Within 60 days after permit issuence, the permittee shall have developed on O&M manual for each process air politifor control device (cyclone and baghouse). The O&M manual shall describe the procedures followed to comply with General Provision B of this permit and the manufacturer's air politifor control device specifications.

This manual shall remain ensite at all times and be made evallable to Department representatives upon request.

mittee:

Crookham Company

Caldwell, Idaho

Date Issued:

January 18, 2002

Date Expirent

January 18, 2007

SOURCE: Receiving, Husking, Drying, Shelling, Scalping, Sizing, Electronically Identifying, Bagging, and Vehicle Traffic

REPORTING REQUIREMENTS

Gertification of Documents

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

Permittee: Location: Crookham Company

Caldwell, Idaho

Date Issued:

January 18, 2002

Bate Expires:

January 18, 2007

Appendix

Appendix

Crookham Company

Hourly (lb/hr)^a and Annual^b (T/yr) ^cPoint Source Emissions Limits^d

	PM	PM ₁₀ °	
SOURCE	lb/hr	T/yr	
Combined Cyclones and Baghouses	0.43	0.26	
Associated Uncontrolled Stack and Vehicle Traffic Emissions	9.79	5,92	

Pound per hour

- As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- Tons per year
- As determined by a pollutant-specific U.S. EPA reference method, Department-approved alternative, or as determined by the Department emission estimation methods used in the permit application analysis.
- PM₁₀ particulate matter with an aerodynamic diameter of 10 microns or less.

emittee:

Crookham Company Caldwell, Idaho Date Issued:

January 18, 2002

Date-Expires-

-January 18, 2007

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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.
- B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1. To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to happen any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state-approved or accepted Environmental Protection Agency procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential boder Section 9-342A, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutables emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the permittee to develop a list of O&M procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- Performance tests (i.e., air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.
 - The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any scheduled test, unless the Department approves a shorter notice period.

_ . . .

Permittee: Location: Crookham Company

Caldwell, Idaho

Date Issued: Date Expires: January 18, 2002 January 48, 2007

GENERAL PROVISIONS

within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, affid associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless (1) a more restrictive operating limit is specified elsewhere in this permit, or (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

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 increby.



Air Pollution TIER II OPERATING PERMIT

State of Idaho

Department of Environmental Quality

PERMIT NO.: 001-00168

AQCR: 64

CLASS: SM-

SIC:

5153

ZONE: 11

UTM COORDINATE (km): 548.3, 4828.3

1. PERMITTEE

Double D Service Center

2. PROJECT

Ther II Operating Permit - Northern Ada County PM₁₀ Maintenance Plan

3. MAILING ADDRESS	CITY	STATE	ZIP
502 East 1 st Street	Meridian	Idaho	83642
FACILITY CONTACT Dick Davis	TITLE President	TELEPHONE (208) 888-3003	
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	.
Dick Davis	President	(208) 888-3003	
6. EXACT PLANT LOCATION 502 East 1 st Street		COUNTY Ada	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Cleaning and bagging Oats and Bird Seed

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho (Rules), IDAPA 58.01.01.400 and pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be a modification. Modifications are subject to Department review in accordance with Section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY DATE ISSUED:

February 4, 2002

BATE EXPIRES:

Permittee:

Double D Service Center.

Location:

Meridian, Idaho

Date Issued:
- Date Expiress

February 4, 2002 February 4, 2002

SOURCE: Receiving, Cleaning, Grinding, Processing, Transferring and Loading Operations

4. — EMISSION LIMITS

1.1 Emission Limits

Particulate matter (PM) and particulate matter with an aerodynamic diameter less than or equal to a norminal ten micrometers (PM $_{10}$) emissions from the receiving, cleaning, grinding, processing, transferring, and loading operations, shall not exceed the pounds per hour and the tons per any consecutive 12-month period limits listed in the appendix of this permit.

1.2 Opacity Limit

Emissions from the acceiving, cleaning, grinding-processing, transferring, and loading-operations, or any other stock, vent, or functionally equivalent opening, shall not exceed 20 percent opening for a period or period of exception of the emission of th

1.3 Visible Emission Limits

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by EPA Reference Method 22 (as described in 40 CFR 60), the appendix or a Department-approved alternative method.

2...-OPERATING REQUIREMENTS

2.1 Operating Hours

The receiving, cleaning grinding processing transferring, and loading operations shall be operated according to their respective operating and maintenance (OSM) manual or manufactureds specifications.

2-2-1 Grinder Cyclope

The grinder cyclone shall be maintained as stated within the manufacturer's specifications and the O&M-menual. Decumentation of the maintenance or change in operation of the grinder cyclone shall remain exite at all times and made available to the Department representatives upon request.

2-3 Reasonable Control of Fugitive Emissions

As required in IDARA 58.01.01.651, all reasonable-presentions shall be taken to prevent PM from becoming airbornes for determining what is reasonable, considerations will be given to feeters such as the proximity of dust emitting operations to burnar habitations and/or activities and atmospheric conditions that might effect the movement of PM.

Some of the reasonable precautions include, but are not limited to, the following:

- 2.3.1 Using water or chemicals for controlling dust when demolishing existing buildings or structures, performing sensitivation operations, grading reads, and electing of lands;
- 2.3.2 Applying aspitalt, water or sultable chemicals to, or severing, dirt-reads, material-steekpiles, and other ourfaces that can create dust;
- 2:3.3 Installing and using heads, fans and fabric filters, or equivalent systems to enclose and went the dusty-materials.

 Adequate contained methods should be employed during candbiasting or other operations.

Permittee:

Double D Service Center.

Location:

Meridian, Idaho

Date Issued:

February 4, 2002

Date-Expires:

February 4 ; 2007

SOURCE: Receiving, Cleaning, Grinding, Processing, Transferring and Loading Operations

2.3.4 Covering open-bodied-frucks-transporting-materials-likely-to-give-rise-to-airborne-duets;

23-5-12 gripped regularity and maintaining them in a dean condition of

2.3.6 Promptly-removing-earth-or other stored material-from streets.

3.1 Monitor Operation Parameters

The permittee shall monitor and record any visible emissions from the grinder cyclone while in operation on a weekly basis. The most recent five years' compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request.

3:2---- Material Throughput

- 3.2.1 The permittee shall not process more than 1,250 tons of material per any consecutive 12-month period.
- 3.2.2 The permittee shall not operate the cleaner or grinder in excess of an average hourly rate of 3 tons of material per hour and 5 tons of material per hour respectively.
- 3.2.3 The permittee shall record the average hourly material rate processed by the grinder and cleaner for each day in operation.

3.3 -- Operations and Maintenance Manual Requirements

Mithin 60-days ofter permitissuance, the permittee shall have developed an Operation and Maintenance (O&M) manual for the grinder cyclone. That describes the procedures followed to comply with General Prevision B and the manufacturer's air pollution control device specifications. This manual shall remain opsite at all times and enables made evallable to Department representatives upon request.

REPORTING REQUIREMENTS

4.4 Gertification of Documents

All-documents submitted to the Department, including but not limited to, records, monitoring data supporting information, sequests for confidential treatment, testing reports, or compliance sectifications, shall contain a confidential parameter by a responsible official. The certification shall state that, based on information and belief formed offer reasonable inquiry—the statements and information in the decument(s) are true, assurate, and complete

Permittee: Location: Double D Service Center

Meridian, Idaho

Date issued; ← Date Expires: February 4, 2002 February 4, 2007

Appendix

Appendix

Double D Service Center

Hourly (lb/hr) and Annual (T/yr) Point Source Emissions Limits

PM ₃₀ ⁸			
SOURCE	lb/hr	T/ <u>yr</u>	
Receiving, Cleaning, Grinding, Processing, Transferring, and Loading Operations	0.5	0.5	

- ^a As determined by a pollutant-specific U.S. EPA reference method, a Department-approved alternative, or Department emission estimation methods used in the permit application analysis.
- Pounds per hour
- As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- d Tons per year.
- Particulate matter with an aerodynamic diameter of 10 microns or less.

Permittee: Location: Double D Service Center

Meridian, Idaho

Date Issued:

February 4, 2002

Date-Expires:--

February 4: 2007

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 is Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idatio*) maintain and operate is good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1. To enter upon the permittee's premises where an emission source is located for in which any records are required to be kept under the terms and conditions of this permit; and
 - 2. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 9-342A Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to be valided.
- H. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permittey reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- Performance tests (i.e., all emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall

Permittee: Location: Double D Service Center

Mendian, Idaho

Date Issued:

February 4, 2002

GENERAL PROVISIONS

include any and all process operating data required to be recorded during the test period as well as the test results, rewitest data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless (1) a more restrictive operating limit is specified elsewhere in this permit or, (2) at such an operating rate, emissions would exceed any emission limit(s) set for this this permit.

J. The provisions of the permit are severable; 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.



Air Pollution TIER II OPERATING PERMIT

State of Idaho

Department of Environmental Quality.

PERMIT NO.: 001-00091

AQCR: 64

CLASS: SM

SIC:

2499

ZONE: 11

UTM COORDINATE (km): 548.67, 4828.22

1. PERMITTEE

Plum Creek Northwest Lumber, Inc.

2. PROJECT

Tier II Operating Permit - Northern Ada County PM₁₀ Maintenance Plan

3. MAILING ADDRESS	CITY	STATE	ZIP
P.O. Box 674	Meridian	Idaho	83642
4. FACILITY CONTACT Mitchell Leu	TITLE Environmental Engineer	TELEPHONE (208) 288-3210	
5. RESPONSIBLE OFFICIAL	TITLE HILL	TELEPHONE	
Michael J. Covey B.CC # มีละควา	Senior Vice President: ************************************	(208) 288-3210	
6. EXACT PLANT LOCATION 240 Taylor, Meridian		COUNTY Ada	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Wood Products

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 58.01.01.400 and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment, which result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to the Department review in accordance with Section 58.01.01.200 of the Rules For the Control Of Air Pollution In Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY DATE ISSUED:

July 12, 2002

REB MASP.TVMB.4005.480

PERMITTEE:

PLUM CREEK NORTHWESTERN LUMBER, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

· Bratt-Eurype

Cyclones, Bins, and Vehicle Traffic

PERMIT MOISSIME

(1.1)

Emission Limits

Particulate matter (PM) and particulate matter with an aerodynamic diameter of 10 microns or less (PM₁₀) emissions from the cyclones, storage bins, and vehicle traffic shall not exceed the pounds per hour and the tons per any consecutive twelve month period limits listed in the Appendix of this permit.

4-2 - Oppoity Limits

Emissions from the cyclones, or any other stack, veril, or functionally equivalent opening, shall not exceed 20 percent opacity for a period or periods aggregating more than three minutes in any 50-minute period as required by IBARA 58.01.01.625 (Rules for the Control of Air Pollution in Idaha). Opacity shall be determined by the procedure contained in IBARA 58.01.04.625.

1.3) <u>Visible Emission Limits</u>

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by EPA Reference Method 22, as described in 40 CFR 60, Appendix A, or Department-approved alternative method.

7 OPED ATING REQUIREMENTS

3.1 Operating Hours

- 2.4.4 The eyelones and storage bins shall be operating within their respective operating and maintenance (O&M) menual and their manufacturer's specifications any time (heir related process(es) is/are in operation.
- 2.1,2 The permittee shall not operate each cyclone more than 20 hours per any 24-hour period.

2.2 Descending Control of Engisting Timingions

All reasonable precautions shall be taken to prevent PM from becoming eirborne as required in 19APA
56.01.01.651. In determining what is reasonable, considerations will be given to factore such as the preximity of dust emitting operations to burnan habitations and/or activities and atmospheric conditions that might effect the movement of PM. Some of the reasonable pressutions include, but are not limited to, the following:

- 2.2.1. Use, where practical, of water or chemicals for control of dust in the demalition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands;
- -2.2. Application, where practical, of cophait, oil, water or suitable chemicals to, or covering of dirt-roads, material stackailos, and other surfaces which ean croate dust;
- 2x2.2 Installation and use, where practical, of hoods, fans and fabric filters or equivalent systems to enclose and vent of the handling of ducty-materials. Adequate containment methods chould be employed during candbiasting or other operations;

PERMITTEE:

PLUM CREEK NORTHWESTERN LUMBER, INC.

MERIDIAN, IDAHO

DATE | 580EO;

JULY 12, 2002

Date Expires:

JULY 12, 2007

Cyclones, Bins, and Vehicle Traffic

2-2.4 Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;

2.2.6 Paving of readways and their maintenance in a clean condition, where practical; or

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

2. MONITORING AND RECORDIFEEDING DECUREMENTS

3.1 Monitor Operation Parameters

The permittee shall monitor and record the operational hours of each cyclone at the facility for each 24-hour period on a daily basis. The most recent five years' compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request.

2.2 Operations and Maintenance Manual Requirements

Within 50-days after startup, the permittee shall have developed an operations and maintenance (O&M) manual for each eyelone and storage bin that describes the precedures followed to comply with General Provision B of this permit and the manufacturer's air pollution control device specifications. This manual shall remain onsite at all times and shall be made available to Department representatives upon request.

PEROPTING REQUIREMENTS

4.1 Certification of Decuments

All desuments submitted to the Department, including but not limited to, records, monitoring data, supporting information, requests for confidential treatment, tecting reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the atotements and information in the desument(s) are true, accurate, and complete.

PERMITTEE: LOCATION: PLUM CREEK NORTHWESTERN LUMBER, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

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Appendix



Plum Creek Northwest Lumber, Inc.

Hourly (lb/hr)* and Annual* (T/yr)* Point Source Emissions Limits*

SOURCE		PM ₁₀ *		
			lb/hr	T/yr
Cyclones		<u>_</u>	7.6	10.8
Storage Bins				1.0
Vehicle Traffic	· · · · · · · · · · · · · · · · · · ·			1.2
Facility Totals			8.74	13.0

- Pound per hour
- As determined by a pollutant-specific U.S. EPA reference method,
 Department-approved alternative, or as determined by the Department emission estimation methods used in the permit application analysis.
- c Tons per year
- As determined by multiplying the actual or allowable (if actual is not available) lb/hr emissions rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- PM₁₀ particulate matter with an aerodynamic diameter of 10 microns or less.

PERMITTÉE: LOCATION: PLUM CREEK NORTHWEST LUMBER, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

GANTE-EXPINES: - doi:1-12, 3007

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS.

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 All Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et.-seq.
- B. The permittee shall at all times (except as provided in the *Rules for the Control of Air Poliution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed for used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1. To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 9-342A, *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixt (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the permittee to develop a list of Operation and Maintenance Procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- I. Performance tests (i.e.; air emissions source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least fifteen (15) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five (5) working days advance notice prior to conducting any re-scheduled test, unless the Department approves a shorter notice period.

Within thirty (30) days of the date on which a performance test required by this permit is concluded, the permitted shall submit to the Department a performance test report for the respective test. The performance test report

PERMITTEE:

PLUM CREEK NORTHWEST LUMBER, INC.

MERIDIAN, IDAHO

DATE ISSUED:

JULY 12, 2002

GENERAL PROVISIONS

shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emissions limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emissions limit(s) set forth in this permit.

J. 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.



Air Quality TIER II OPERATING PERMIT

State of Idaho Department of Environmental Quality PERMIT NO.: T2-000033

AIRS FACILITY NO.: 001-00019

AQCR: 64 -

CLASS: SM

SIC:

1142

ZONE: 11

UTM COORDINATE (km); 544.0, 4826.0

1. PERMITTEE

C. Wright Construction, Inc.

2. PROJECT

Tier II Operating Permit - Northern Ada County PM₁₀ Maintenance Plan

MAILING ADDRESS 1320 South Black Cat Road	CITY Mendian	STATE ID	ZIP 83642
4. FACILITY CONTACT Tim Wright	TITLE President	TELEPHONE (208) 888-1307	
5. RESPONSIBLE OFFICIAL Tim Wright	T!TLE President	TELEPHONE (208) 888-1307	
6. EXACT PLANT LOCATION 1320 South Black Cat Road		COUNTY Ada	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Sand, gravel, and crushed stone production and hot-mix asphalt

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with Section 58.01.01,200 of the Rules for the Control of Air Pollution in Idaho.

3. STEPHEN ALL/RED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 8, 2003

CSA/REBIST PID: AIR, SSBG. SRCE. 0402.480 C: AIR QUALITY STATIONARY SOURCESS LTD/T2/C, WRIGHT CONSTIT2-000033/T2-000033 FINAL PERMIT DOC

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Acronyms, Units, and Chemical Nomenclature

actm	actual cubic foot per minute
AIRO	- Acromotric Information Retrieval System
-AQCR :	
	
orn	- Gods of Federal Regulation s
Popartment	— Department of Environmental Quality
dscf	dry standard outsis fec t
EDA	- U.S. Environmental Protection Agency
<u> </u>	degrees Fahrenheit
#	- foo t
g r	grain (1 lb = 7,000 grains)
gadaci –	grains per dry clanderd gubic feet
IDAFIA.	—a numbering designation for all administrative rules in (daho premulgated in accordance with the Idaho -Administrative Procedures Astr
<u>-in</u> -	<u>inshes</u>
 un	kilemeters
lb/hr	- pound par hour
NO _x	nitregen oxides
NSPS.	New Source Performance Standards
PEPF	- Portable Equipment Relocation Form
-PM	particulate metter
PM ₁₀	particulate matter with an aprodynamic dismeter less than or equal to a nominal 10 micrometers
<u> </u>	Standard Industrial Classification
SM.	- synthetic minoc
<u>80,</u>	sulfur dioxide.
7/10	· tene par hour
The	tose per year
<u></u>	Universal Transverse Mercator
VOC.	volatile organic compound

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility No. 001-00019	Date Expires:	July 8, 2008	

1 TIFR II OPERATING PERMIT SCOPE

Purpose

1.1 The purpose of this permit is to limit PM₁₀ emissions from this facility as part of the Northern Ada County PM₁₀ Maintenance Plan.

1.2 -- This permit is the facility's Initial air quality permit.

Regulated Sources

4.3 Table 1.1 lists all sources regulated in this permit.

Table 1.1. SUMMARY OF RECULATED SOURCES

Permit Castell	Stern Ossasyus	SmerionetControlle
	Hot-mix Asphalt plant	
i	Manufecturer: Berber Creen	
1	Menufacture Cate: 1950-	Mot Scrubber-
Ì	Rated canacity: 106 T/hr	Manufacturer Unknown
40	Stack diameter: 24 in x 27 in	Efficiency: Unknown for PM ₁₀
	Steak haight 12 ft	
	Exhaust stack operating temperature: 155°E	.
İ	Enhancings flow rate: 18,300 softs.	
	Fuel type: -petural gas-	1 . · . <u></u>
	Emissions associated with mined and processed river depotits	Receasable water application

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033				
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date issued: July 8, 2003	
Location:	Meridian, Idaho	Aux Facility No. 001-00018	Date Expires: July 9, 2008	

2. FACILITY-WIDE CONDITIONS

Fugitive Dust

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA
 58.01.01.650.651. In determining what is reasonable, considerations will be given to factors such as the
 proximity of dust-smitting operations to human habitations and/or activities and atmospheric conditions that
 might affect the movement of particulate matter. Some of the reasonable precautions include, but are not
 whimited to the following:
 - Use, where practical, of water or chemicals for central of dust in the demolition of existing buildings or structures, construction operations, the grading of reads, or the cleaning of land.
 - Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of did-roads, material stackpiles, and other curfaces which can create dust.
 - Installation and use, when practical, bonds, fans, and tabric filters or equivalent systems to enclose and
 yent the handling of dusty materials. Adequate containment methods should be employed during
 sendblasting or other operations.
 - Covering, where practical, of open bedied trucks-transporting materials likely to give rise to sirborne dusts.
 - Paving of readways and their maintenance in a clean condition, where practical.
 - Prompt removal of earth or other stored material from streets, where practical.
- 2.2. The permittee shall menitor and maintain records of the frequency and the method(s) used (i.e., water, shaming dust suppressants, etc.) to reasonably control fugitive emissions.
- -2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include at a minimum, the date that each complaint was received and a description of the following:

 the complaint, the permittee's accessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- 2.4 The permittee shall conduct a weekly facility wide inepoction of petential cources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methode used to reconstily controlled, the control fugitive emissions are not being recognishly controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each weekly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's accessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
- Fugitive emissions shall not be observed leaving the facility boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by EPA Method 22, as described in 40 CFR 60, Appendix A, or a Department-approved alternative method.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc.	AIDE English No. 201-20040	Date Issued:	July 8, 2003	
Location:	AIRS Facility No. 001300019				

Odors

- 2.6 In accordance with IDAPA 58.01.01.776, no person shall allow, suffar, cause, or permit the emission of ederous genes, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
- 2.7 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

Visible Emissions

- 2x8 The permittee shall not discharge any air poliutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the processor of uncombined water, nitrogen exides and/or chlorine gas is the only reason(s) for the failure of the emission to comply with the requirements of this scotten.
- 2.6 The permittee shall conduct a weekly facility-wide inspection of potential sources of visible emissions, during daylight-hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the precedures outlined in IDAPA 58.01.01.025. A minimum of 30 observations shall be recorded when conducting the epocity test. If opacity is greater than 20% for a period or periode 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 weekly 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 accossment of the conditions existing at the time visible emissions are precent (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

Excess Emissions

2.10 The permittee chall comply with the precedures and requirements of IDAPA 58.01.01.130-136 for excess endesions due to startup, shutdown, coheduled maintenance, safety measures, upsets and breakdowns.

Open Burning

2.44 The permittee shall comply with the requirements of the Rules for Central of Open Burning, IDAPA 60.01.01.000 616

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033				
Permittee:	C. Wright Construction, Inc.	AIRS Encilled No. 004 00010	Date Issued:	July 8, 2003
Location:	Meridian, Idaho	AIRS Facility No. 001-00019	Date Expires	July 8, 2008

Performance Testing

2:42- If testing is required, the permittee shall use the test methods listed in Table 2:2 to measure the pollutant

Table 2.2 FACILITY-WIDE TEST METHODS

Pollutant	Test Method*	Special Conditions	
PM ₁₀	EPA Method 201.a, and EPA Method 202		
- DM	- FPA Method 5		
NO	EDA Method 7		
30.	EPA Mothed 6		
•••	EPA Method 19		
¥00	-GPA Method 25		
-Openity-	GP# Method 0.3	##NGP8, IDAPA, 58.91,81,825 and Motived By otherwise, IDAPA 56.01.91.625 anija	

Or Department-approved alternative in accordance with IDAPA 58.01.01.157.

Air Ctagnation Advisory Days

2.13 The permittee chall comply with the Air Pollution Emergency Rules in accordance with IDAPA 58.01.01.550

Menitering and Recordkeeping

2.14 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this operating permit. Records of monitoring information 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 Department representatives upon request.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility NB. 001-00019	Date Expired	July 8, 2000	

Reports and Gertifications

2.15. Any reporting required by this permit, including, but not limited to, recorde, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a cartification by a responsible official. The conflication shall state that, based on information and belief fermed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to the following:

Air Quality Permit Compliance.

Department of Environmental Quality

Seise Regional Office

4445 N. Orchard

Beise, ID 83706

At least 10 days prior to relocating any-equipment covered by this permit, the permittee shall register all existing portable equipment using the Department's Portable Equipment Registration and Relocation Form (RERF) available on the Department's Website at www.ptate.id-ug/deg/air/equiprolocat.htm. Each PERF, along with a scaled plot plan of the relocation site, shell be mailed to the following address:

PERF Proceeding Unitleaded DEO - Air Quality 1440 N. Hillon, Poice ID 83706-1255.

Obligation to Comply

2.16 Receiving a Tier II operating permit shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and regulations.

Fuel burning Equipment

2.17 The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 egi/deef of affluent gas corrected to 3% oxygen by volume for gas as required by IDAPA 58:01.91.676.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033				
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date Issued: July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility No. 001-00019	Pate Expires: July 8, 2008	

HOT - MIX ASPHALT PLANT

3.1 Process Description

A hot mix asphalt plant combines dired aggregates and hot oil to produce asphaltic concrete

2.2 Control Description

This hot-mix asphalt plant's emissions are controlled by a wet serubber.

THE AMERICAN ASSOCIATED AND

		AND THE RESERVE OF THE PARTY OF
Hot miss acabalt plant	Mat sombhar	Serubbor stack outlet-

Emiccione l'imite

3.3 Emission Limits

PM₁₀ emissions from the hot-mix asphalt plant's scrubber stack shall not exceed any corresponding emission rate limit listed in Tables 3.2 and 5.1 of this permit.

Table 3.2 EMISSIONS LIMITS

Source Description	P) (þ/hr	A _{to}
Hot-mix asphalt plant's scrubber stack	4.86	1.14

Operating Requirements

3.4 Production Rate

The asphalt production shall not exceed 50,000 tons for the most recent consecutive 12-month period.

3.5 Operating Hours

The permittee shall only operate the hot-mix asphalt plant between the hours of 6:00 a.m. to 6:00 p.m.

3.6 Thermometer Installation

The permittee shall install, operate, calibrate, and maintain a device to continuously measure the hot-mix asphalt plant's exhaust stack temperature while processing hot-mix asphalt.

3.7 Exhaust Stack Operating Temperature

The exhaust stack operating temperature shall not exceed 155°F.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033				
Permittee:	C. Wright Construction, inc	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003
Location:	Meridian, Idaho	Adks Facility No. 001-00019	Deto Expires:	July 8, 2008

3.8 Hot-Mix Asphalt Plant Burner Fuel

The permittee shall combust natural gas exclusively in the hot-mix asphalt plant's burner.

3-0 - 0 & M Monuel

Within 60 days after issuance of this permit, the permittee shall have developed an O&M manual for the wet serubber that describes the procedures followed to comply with Tior II. General Provision 7.2 of this permit. This manual chall remain ensite at all times and shall be made available to Department representatives upon request:

Menitoring and Recordkooping Requirements

- 3.10 The permittee shall monitor and record the following information:
 - The amount of asphalt produced monthly and annually. Monthly production shall be summed for the previous consecutive 12-month period to demonstrate compliance with Permit Condition 3.4.
 - Startup and shutdown of the hot-mix asphalt plant each day the plant operates to demonstrate compliance with Permit Condition 3.5.
 - The exhaust stack operating temperature once per hour each day the plant operates to demonstrate compliance with Permit Condition 3.7.

These records shall be maintained in accordance with Permit Condition 2.14.

	AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033				
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility No. 00 1-00019	Osto Expires:	July 8, 2008	

4. ASSOCIATED PROCESS EMISSIONS

4.1 PM, emissions result from mining and/or crushing-aggregate. The processes involved in mining and/or crushing-aggregate. The processes involved in mining and/or crushing-activities include; but are not limited to, the following: leading; crushing: screening, transferring, stockelling, and vehicle traffic on paved and unpaved reads.

Table 4.4 Associated process emissions .

Proces		
-Associated precess emissions	Recenable control-	· +\/\

Emiccione Limite

4.2 Emission Limits

PM₁₀ emissions from sand and gravel transfers, crushers, screens, vehicle traffic and associated processes shall not exceed 31 tons per any consecutive 12-month period.

Operating Requirements

4.3 Sand and Grayel Mining.

River deposits that are mined shall not exceed 729,000 tons for the most recent consecutive 12-month period.

4.4 Processed Material

River deposits that are processed (crushed, screened, transferred, and etc) shall not exceed 461,000 tons for the most recent consecutive 12 month period.

4.5 NSPC Affected Crusher Openity Limit

PM emissions from any NSPS affected crusher shall not exhibit greater than 15% opacity ac required by 49 GFR 50, Subport OOO. Opacity chall be determined using the procedures specified in IDAPA 58.01.01.625.

4.6 NSPS Affected Transfer Point on Bolt Convoyor or any Other Affected Eaclity Opacity Umit

PM emissions from any NSPS affected transfer point on belt conveyors, or from each grinding mill, acronning eperation, bucket elevator, belt conveyor bagging operation, storage bin, enclosed fruck, or rail car loading, shall not exhibit greater than 10% specity as required by 40 CFR 60, Subpart OOO. Opacity shall be determined using precedures execified in IDAPA 58.01.01.625.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility No. 001-00019	Date Expires:	July 8, 2008	

Monitoring and Recordkeeping Requirements

- 7 The permittee shall monitor and record the following information:
 - The total amount of river deposits mined monthly and annually. Monthly throughput shall be summed
 over the previous consecutive 12-month period to demonstrate compliance with Permit Condition 4.3.
 The total amount of river deposits mined means the amount that is mined for use by the permittee plus
 the amount that is mined and sold to the general public, contractors, etc.
 - The total amount of river deposits processed by the permittee monthly and annually. Monthly throughput shall be summed over the previous consecutive 12-month period to demonstrate compliance with Permit Condition 4.4.

These records shall be maintained in accordance with Permit Condition 2.14.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033							
Permittee:	C. Wright Construction, Inc.	AIDS Engility No. 001-00010	Date Issued:	July 8, 2003			
Location:	Location: Meridian, Idaho AIRS Facility No. 001-00019 Deta Expired: July 8, 2000						

5. SUMMARY OF EMISSION RATE LIMITS

Table 5.1 provides a summary of all emission rate limits required by this permit.

Table 5.1 SUMMARY OF EMISSION RATE LIMITS.

- AVOID COMPANY AND MANY	
Slore Amilio - Alburdyniya i amo A	Godale (copy)
Hourdy Emissions (It helds	— AnbuelPMn Empelone
4.84	1.14
NA NA	31
	, <u></u>

^{*} As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

^b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

[©] Includes condensibles.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date Issued:	July 8, 2003	
Location:	Meridian, Idaho	AIRS Facility No. 001-00019	Date Expires	July 8, 2008	

S.—— FACILITY WIDE EMISSIONS INVENTORA

Table 5.1 provides a summary of the emissions inventory of the facility based on uncontrolled potential to emit. The emissions inventory table is provided for informational purposes only.

Table 6:4-SUMMARY OF EMICSIONS INVENTORY

replication of the second	G-Winglin Canadi tionah	Morelos		
Emic	3,50	and Annal	ATTION IN COLUMN TO SERVICE AND ADDRESS OF THE PARTY OF T	
SourcesPeachtrian	Antique Bass Emissione Alubra		Antina kawasan sa	
Apphait Plants	-1.81 -		24.3	<u>₩</u> .₩.₩
All associated process emissions (fugitives included)	-hin		.459,2	

^{*} As determined by a pullutant specific EFA-reference method, a Department-approved atternetive, or as determined by the Departments emissions assistantion methods used in this permit engines.

وت اطاعه و المعامة و و المعامة الم

b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(se) may operate(s), or by actual annual production rates.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: T2-000033					
Permittee:	C. Wright Construction, Inc.	AIRS Facility No. 001-00019	Date Issued: July 8, 2	003	
Location:	Meridian, Idaho	AIKS Facility No. 001-00019	Date Expires. July 9-2	004	

TIER II PERMIT GENERAL PROVISIONS

- 7.1 All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- 7.2 The permitter shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities of systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 7.3 The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director.
- 7.4 Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- 7.6 In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 7.7 This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 7.8 The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- 7.9 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.

		•			•
· .	·	•		;	·
					•
•					
			· :		



Air Quality TIER II OPERATING PERMIT PERMIT TO CONSTRUCT

CLASS:

SIC:

AIRS FACILITY NO.: 777-00226

1442

UTM COORDINATE (km);

PERMIT NO.: T2-020029

PORTABLE

State of Idaho Department of Environmental Quality

1. PERMITTEE

Nelson Construction Co.

2. PROJECT

Tier If Operating Permit and Permit to Construct

3. MAILING ADDRESS	CITY	STATE	ZIP	
P.O. Box 16550	Boise	<u>1</u> D -	83715	_ <u>-</u>
4. FACILITY CONTACT TITLE		TELEPHONE		
Bob Potts	Production Manager	(208) 343-3051		
5. RESPONSIBLE OFFICIAL	TITLE '	TELEPHONE		
Bob Potts	Production Manager	(208) 34 <u>3-</u> 3051	<u>.</u> .	
6. EXACT PLANT LOCATION		COUNTY		
Portable		Ada		_

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Aggregate crushing

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400-470 and IDAPA 58.01.01.200-228. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 et seq.

EN ALLRED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 21, 2003

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4.	GENERATOR	
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LIST OF ACRONYMS

ASTM merican Society for Testing and Materials

CFR Code of Federal Regulations

Department Department of Environmental Quality

dry standard subic feet dscf

EPA U.S. Environmental Protection Agency

grein (1 lb = 7,000 grains) ġľ

a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act **IDAPA**

1b/hr pound per hour

 NO_X nitrogen oxides:

Operations and Maintenance O&M

PM particulate matte

particulate pratter with an aerodynamic diameter less than or equal to a nominal 10 PM_{10}

micrometers

pergrat to construct PTC

standard Industrial Classification. SIC

T/yr tons per year

AIR	AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029				
Permittee:	Nelson Const.	AIDS 5	Date Issued:	July 21, 2003	
Location:	Portable	AIRS Facility No. 777-00226	Date Expires.	July 21, 200 8	

1. - PERMIT SCOPE

Purpose

- 1.1- The purpose of this permit is to limit PM₁₀ emissions from this facility as part of the Northern Ada County PM₁₀ Maintenance Plan.
- 4.2 This Ties II operating permit and permit to construct incorporated the following permit.
 - FTC No. 777-00226, issued October 15, 1008

Regulated Sources

4.3 Table 1.1 below liste all courses of emissions that are regulated in this permit.

Table 1.1 - Source: Of Emissions

Permit Paction	-Source Description	Enrissionis Centrol(s)
- 4	All associated fugitive emissions from sand and aggregate transfers, enterior and serion dooks, paved and unpaved haul reads, and wind.	Reseasable control
-4	Congrater	- None

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029					
Permittee:	Nelson Const.	AIRS Facilly, No. 777 00006		Date Issued:	July 21, 2003
Location:	Portable	AIRS Facility No. 777-00226		Date Expires:	July 21, 2000 -

2. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the accility.

Toble 2.1 SUMMARY OF REQUIREMENTS

Condition	Baremeter	Permit-Limit/ Standard Sommery	Applicative Beguiremente Referente	Monitoring & Record Responding Requirements
=2/0	Filiagitivo-duet	Reasonable Control	10:4PA 59:01:04:050:001	2-9-2-2-4
. 25	O ders	Perconable control	IDAPA 58.01.01.775-776	* 230*
2,3	A/ficible cimicolone	2 <u>2% opesity for no more than th</u> ree	IBAPA-60.01-01-028-	2,3, 2-42-
2.8°	Emissions	Compliance with IBARA S8.01-01-108-116	LOADA 58.04-61:480	2.0, 2.7 2
2:13	Open bumisg	Osmplense with #34F4	(DARA 36:01.01000-016	+2:12
2.74	Oratn' tozdi ng	Gemplionco with ISASA 38101-84:875-677	€DAPA 38.87.87.676-877	2 .772:121
2:17*	Puel oil sulfut contents	Scinplians on the ISAFA. 59.01-01-798	DAPA 58:81-91-715	E##9

Fugitive Emissions

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651...In determining what is reasonable, considerations will be given to factors such as the preximity of dust emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PM. Same of the reasonable precautions include, but are not limited to, the following:
 - •• Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or extructures, construction operations, the grading of reads, or the clearing of lands.
 - Application, where practically of asphalt; eil; water, or suitable chemicals to, or covering of dirt reads, material, stockpiles, and other surfaces which con-create dust.
 - Installation and use, where practical, of hoods, fons, and fabric filters or equivalent systems to enclose end wont the handling of dusty materials. Adequate containment methods should be employed during conditions.
 - Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
 - Paving of readways and their maintenance in a clean condition, where practical.
 - Prompt removal of earth or other stored material from streets, where practical.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029						
Permittee:	Nelson Const.	AIDE E		Date Issued:	July 21, 2003	
Location;	Portable	AIRS Facility No. 777-00226	- }	· Date Expires:	July 21, 2008	·

- 2.2The permittee shall monitor and maintain records of the frequency and the method(s) fixed (i.e., water, chemical duct suppressants, etc.) to reasonably control fugitive emissions.
- 2.8 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditionally as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- 7.4 The permittee shall conduct a weekly facility wide inspection of petential sources of fugitive emissions during daylight hours and under normal operating conditions to ensure that the methods used to reasonably centrol fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each weekly fugitive emissions inspection. The records chall-include, at a minimum, the date of each inspection and description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

Odors_

- 2.5 No person shall allow, suffer, souse, or permit the emission of aderous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
- 2.6 The permittee shall maintain records of all-odor complaints received, if the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the servective action was taken.

Vielble Emissions

- 2.7. The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity of determined by procedures contained in IDAPA 58.01.01.625. These previsions shall not apply when the presence of uncombined water, nitrogen exides, and/or chlorine gas is the enly reason(s) for the fallure of the emission to comply with the requirements of this section.
- The permittee shall conduct a weekly facility-wide inspection of visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a coc/no see evaluation. If any visible emissions are present from any point of emission, the permittee shall either take appropriate Corrective action as expeditiously as practicable, employ a progressive control strategy or strategies to initigate the visible emissions, or perform a Method 0 operity test in accordance with the procedures cuttined in IDAPA 58.01.01.625. If a Method 0 operity test is required, a minimum of 30 observations shall be recorded when conducting the operity test. If operity is greater than 20% for a period or periods aggregating mere than three minutes in any 80 minute period, the permittee shall take all recors any corrective action and report the exceedance in its annual compliance certification and in assertance with IDAPA 58.01.01.130-136. Monitoring required to demonstrate compliance with Permit Condition 2.8 shall be conducted in accordance with Permit Condition 2.8 shall be

Eveces Emissions

2.9 The permitteb shall comply with the procedures and requirements of IDARA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets, and breakdowns.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029					
Permittee:	Nelson Const.	MBC E	Date Issued:	July 21, 2003	
Location:	Portable	AIRS Facility No. 777-00226	Date Expires.	July 21, 2008	٠.

Reports and Certifications

Any reporting required by this permit, isoluding, but not limited to, records, monitoring data, supporting infermation, requeste for confidential treatment, testing reports, or compliance certifications, shall contain a ertification by a responsible official. The certification shall state that, based on information and beiter formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this parmit shall be submitted to the following evidence:

> Air Quality Permit Complianse Donartment of Environmental Quality Poice Pegional Office 1445 N. Orchard <u> Roise ID 83706</u>

-reperting required for New-Pauren -fellowing address:

EPA Region 10 Air Operating Permits, QAQ-107 1200 Such Ave. Scattle, WA 98101

Stagnation Advisory Days

The permittee shall comply with the Air Pollution Emergency Rule in IDARA 58 04 04 550

Monitoring and Recordkeeping

The permittee shall maintain sufficient recordkeeping to ensure compliance with all the terms and conditions of this operating permit. 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 Department representatives upon request.

Open Burning

Burning.

Fuel-burning Equipment

The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015. gr/dscf of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid, 0.050 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume for wood products.

Obligation to Comply

2.15 - Receiving a permit shall not relieve any owner-or-operator of the responsibility to comply with all applicable , local, state, and foderal rules and regulations.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029					
Permittee:	Nelson Const.	AIDS F 1144 N - 777 00006	Date Issued: July 21, 2003		
Location:	Portable	- AIRS Facility No. 777-00226	Pote Eurine Jay 21, 2008		

Salfar Sontent

2:16 — No person shall sell, distribute, use, or make available for use any distillate fuel of containing more than the following persontages of culture

- ASTM-Grade No. 1 fuel oil 0 3% by weight.
- ASTM Crede No. 2 fuel oil 0.5% by weight.

Relocation.

2-17 At least 10 days prior to relocating any equipment severed by this permit, the permittee shall register all—
existing portable equipment using the Department's Pertable Equipment Registration and Relocation Form (PERF) available on the Department's Website at www.state.id.vs/deg/six/equipreleast.htm. Each PERF, along with a scaled plot plan of the relocation cite, shall be mailed to the following address:

PERF Proceeding Unit Haffo DEQ - Air Quality 1440 N. Hillen Boise, ID 83706 1256

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029 Permittee: Nelson Const. Location: Portable AIRS Facility No. 777-00226 Date Issued: July 21, 2003 Date Expires: July 21, 2008

3.

ROCK-CRUSHING PLANT

2.1 Process Description

Rock crucking plants reduce the size of aggregate for various industrial and commercial purposes.

Emissions from this rock crushing plant are limited to meet the requirements of the Northern Ada Gounty

PM₁₀ Maintenance Plan.

9.2 Control Description

The permittee is required to reasonably central fugitive dust at all times. Some methods that may be used to reasonably central fugitive emissions are listed in Permit Condition 2.1.

Smiccione Limite

3.3 Emissions Limits

The PM_{10} emissions from the processes associated in the production of crushed material shall not exceed any corresponding emissions rate limits listed in the appendix of this permit.

[PTO No. 777-90226, 40/46/98]

Operating Requirements

3.4 Throughput Limits

The maximum annual quantity of material entering the initial crusher shall not exceed 2,080,000 tons per any consecutive 12-month period.

*5:5 - Qpacky Limit

Emissions emanating from any stack, vent, or other functionally equivalent opening, shall not exceed 20% opening for a period or periods aggregating more than three minutes in any 60 minute period as required in IDAPA 58.01.01.625. Opening shall be determined using the precedures contained in IDAPA 58.01.01.625.

3.6 Crusher Opacity Limit

The fugitive emissions from portable rock crushers shall not exhibit more than 15% opacity. Opacity shall be determined using the procedures specified in IDAPA 57.01.01.625.

(PTC-No.-777-00036, 40/45/001

3.7 <u>Transfer Point Opacity Limit</u>

The fugitive emissions from any transfer point on belt conveyors, from each grinding mill, screening operation bucket elevator, belt conveyor bagging operation, storage bin, enclosed truck, or rail car loading, shall not exhibit greater than 10% opacity. Opacity shall be determined using the procedures specified in IDAPA 58.01.01.625.

IPTC No. 777 99226, 49/45/96]

3.8 Poved and Unpayed Roads Opacity Limit

Fugitive dust emissions from vehicle traffic on any paved or unpaved houl read associated with the rock—crushing plant regulated by this permit shall be controlled by water, an environmentally safe chemical soil stabilizer, or equivalent. Control strategies shall be employed whonever visible emissions are observed crossing the permitted facility boundary, as determined using Method 22.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029 Permittee: Nelson Const. Location: Portable AIRS Facility No. 777-00226 Pate Issued: July 21, 2003 Pete Expires: July 21, 2008

3.9 <u>Number of Crushers and Generators</u>

This crushing facility may operate as a three-or four-crusher facility. The facility shall operate with only one 1250-kilowatt generator.

[PTC No. 777-88226, 10/15796]

3.10 Control Strategy

Visible emissions are a trigger that requires initiation of a strategy or strategies to control fugitive dust emission from associated processes involved in the production of crushed material. Visible emissions from any of the associated processes not specifically regulated by this permit shall not exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period. Opacity shall be determined by the procedures contained in IDAPA 58,01.01.625.

Monitoring and Recordkooping Requirements

3.11) Throughput Monitoring

The permittee shall monitor and record the amount material entering the initial crusher each month and for the most recent 12-month period.

IDTO No. 777 00226 40/46/091.

3.12 Emissions Monitoring

The facility has the option of operating either as a four-or three-crusher facility. When the facility is operating as a four-crusher facility, the PM_{10} emissions shall be determined by multiplying the throughput of material passing through the initial crusher by the emission factor of 0.058 pounds of PM_{10} emissions per ton of material throughput. When the facility is operating as a three-crusher facility, the PM_{10} emissions shall be determined by multiplying the throughput of material passing through the initial crusher by the emission factor of 0.037 pounds of PM_{10} emissions per ton of material throughput. The summation of the PM_{10} emissions of these two operational setups shall not exceed the associated limit stated in the appendix of this permit.

3.13 Operations and Maintenance Manual Requirements

Within 60-days after the date this permit is issued, the permittee shall have developed an O&M manual for rock-crushing facility which describes the methods that will be used to central fugitive dust emissions. The manual chall describe the presedures that will be followed to comply with General Provision 2. This manual chall remain ensite at all times and shall be made available to Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029 | Permittee: | Nelson Const. | AIRS Facility No. 777-00226 | Date Issued: | July 21, 2003 | | Date Expires: | July 21, 2008-

4.

GENERATOR

4.1 Process Description

This real-crushing plant includes a 1250 kilewatt diesel fuel fited generator that prevides electrical power when line power is unavailable.

4.2 <u>Control Description</u>

Generator emissions are uncontrolled.

-Emissions Limits

4.3 Emissions Limits

The NO_x emissions from the generator shall not exceed any corresponding emissions rate limits listed in the appendix of this permit.

Operating Requirements

4.4 Nonattainment Generator Monitoring

When operating in a PM_{10} nonattainment area as a four-crusher facility, the plant shall not operate more than 6301 hours per year.

{PTC No. 777-00226, 10/15/08]

When operating in a PM₁₀ nonattainment area as a three-crusher facility, the plant shall not exceed 8535 hours per year.

4.5 Generator Operation

The generator shall only operate while the crusher facility is in operation.

Monitoring and Recordkeoping Requirements

4.6 Generator Monitoring

When operating in a PM₁₀ nonattainment area, the permittee shall monitor and record the generator operating hours to demonstrate compliance with Permit Condition 4.4.

AIR	AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029				
Permittee:	Nelson Const.	AIRS 5	Date Issued:	July 21, 2003	
Locations	Portable	AIRS Facility No. 777-00226	Dete Expires	July 24 2008	

APPENDIX

Table 5.1 EMISSION LIMITS

Nelson Construction Co. Emission Limits ^a - Hourly (ib/hr), and Annual ^b (T/yr)						
Source Description	Hourly PM ₁₀ ° Emissions (lb/hr)	Annual PM ₁₀ ° Emissions (T/yr)	Hourly NO _x Emissions (lb/hr)	Annual NO _x Emissions (T/yr)		
Generator	0.64	2	31.2	98.3		
Ail associated process emissions (fugitives included)	NA ^d	18	NA .	NA		

^a As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

^b As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

^c (noludes condensibles,

^d NA Not applicable

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020029

Permittee:	Nelson Const.	AIDS Facility No. 777 00226	Date Issued:	July 21, 2003
Location:	Portable	AIRS Facility No. 777-00226	Date Expires:	July 21, 200 8

GENERAL PROVISIONS

- 1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101 et seq.
- The permittee shall at all times (except as provided in the Rules for the Control of Air Poliction in Idaho)
 maintain and operate in good working order all treatment or control facilities or systems installed or used to
 achieve compliance with the terms and conditions of this permit and other applicable laws for the control of
 air pollution.
- 3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director.
- 4. Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- 5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- 6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- 9. 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.

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Air Pollution TIER II OPERATING PERMIT

State of Idaho
Department of Environmental Quality

PERMIT NO.: 001-00184

AQCR: 64

CLASS: SM

SIC:

1442

ZONE;

UTM COORDINATE (km): 554.95.4835.356

...

1. PERMITTEE

Mike's Sand and Gravel

2. PROJECT

Tier II Operating Permit -- Northern Ada County PM₁₀ Maintenance Plan

MAILING ADDRESS 20667 Franklin Road	CITY	STATE	ZIP
	Nampa	Idaho	83687
FACILITY CONTACT Mike Mulchay	TITLE President	TELEPHONE (208) 939-2000	
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	
Mike Mulchay	President	(208) 939-2000	
6. EXACT PLANT LOCATION 2500 feet north of Joplin Road		COUNTY	

GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Gravel Mining, Crushing, Retail Sales

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, Section 58.01.01.400 and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (Department) technical analysis of the supplied information. Changes in design or equipment, that result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to the Department review in accordance with Section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

ADMINISTRATOR, BOISE REGIONAL OFFICE DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 12, 2002

BATE-EXPIRES:---

- July 12, 2007

1/31/01

REB MASP.TVMB.4005.480

Permittee: Location: Mike's Sand and Gravel

Nampa, Idaho

Date Issued:

Date Expires:

July 12, 2002

SOURCE: Sand & Gravel Transfers, Crushers, Screens, Vehicle Traffic, and Associated Processes.

1,--- EMISSION LIMITS

1,1 <u>Emissions Limits</u>

Particulate matter (PM), and particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM₁₀) emissions from the sand and gravel transfers, crushers, screens, vehicle traffic, and wind erosion (stockpiles), shall not exceed the pounds per hour (lb/hr) and the tons per any 12-month period (T/yr) limits listed in the Appendix.

1:2 - Oppoity Limits

Emissions from the sand and grave Lizansiers, crushers, screens, vehicle traffic, and associated processes, or any other-stack, ventual functionally equivalent opening, shall not exceed the limit required by New Source Performance Standards (NSPS) Part 60-Subport OCO and IDAPA-58-01-01-625-(Rules-for the Control of Air Pollution in Idaho). Specify shall be determined by the procedures contained in NSPS Part 60-Subport OCO and IDAPA-58-01-01-625.

1.3) <u>Visible Emission Limits</u>

Visible emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three minutes in any 60-minute period. Visible emissions shall be determined by Environmental Protection Agency Reference Method 22 (as described in 40 CFR 60), the Appendix, or a Department-approved alternative method.

2.1 Operating Precedures

The cond-and-grave! transfers, crushers, screens, and associated processes shall be operated according to the respective operation and maintenance (O&M) manual and manufacturer's specifications during the operation.

2.2.1 Sand and Gravel Mining

The material processed shall not exceed 600,000 tons per any consecutive 12-month period.

2.3.2 Porformance Jesting

The permittee shall have a performance-test on the appropriate source(s) as stated in 19-SFR Part 80 Subpart 000. A copy is located in the Appendix.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 001-00184

Permittee:

Mike's Sand and Gravel

Location:

Námpa, Idaho

Date Issued:

July 12, 2002

Pate-Expires

ძის 42-2007

URCE: Sand & Gravel Transfers, Crushers, Screens, Vehicle Traffic, and Associated Processes.

2.3. Reasonable Control of Engitive Emissions

As required in IDARA 58.01.01.651—all reasonable-presentions shall be taken to prevent PM-from becoming airborne—indetermining—what-is-reasonable-considerations—will be given to feetors such as the preximity of dust emitting operations to human habitations and/or activities and atmospheric conditions that might offeet the preventant of RM.

Some of the research especiations include, but are not limited to, the following:

- 2.3.4 Using water are chamicals for controlling dust when demolishing existing buildings or structures, performing construction operations, grading reads and electing of lands;
- 2-3-2 Applying asphalk water as suitable shomisels to present in grater to adapt the levist stock piles + and other surfaces that can excels dust;
- 2-3-3 Installing and as ing heeds, fans and fabric filters; or equivalent systems to enclose and vent the dusty materials.

 Adoquete containment methods should be employed during sendblasting or other operations;
- 2.3.4 -- Covering open-bodied trucks transporting materials likely-to-give rise to airborne dusts;
- 2.8.6 Paying of roadways and maintaining them in a clean condition; or
- 2.2.6 -- Premptly-removing-earth-or-other-stored-material-from-streets

1) Monitor Operation Parameters

The permittee shall monitor and record the amount of material processed on a consecutive 12-month basis. The most recent two years' compilation of records shall be kept onsite, in a record, and shall be made available to Department representatives upon request.

3-2 Operations and Maintenance (O&M) Manual Requirements

Within 60-days-after permit issuance, the permittee shall have developed an O&M manual for the sand-and-gravel transfers, croshers sereens—vehicle-traffic-and associated processes that describes the procedures followed to comply with General Provision O—This manual straff considerate and shall be made evailable to Bepartment representatives upon request.

3.3----New-Source-Performance-Standards

The permittee shall-perform-all-necessary-recordiscoping that is applicable to the facility as stated within NSPS Part-60-Subpart-9-90: "A-copy-is-located-in-the-Appendix,

··--REPORTING REQUIREMENTS

44- New-Source-Performance Standards

The permittee shall perform all necessary-reporting that is applicable to the facility-as stated within 49 CFR Part or Subpart 990. A copy is included in the Appendix. i vimilies. Location:

HING & ODITIO ON O CIGYE

Nampa, Idaho

Date Issued: July 12, 2002 Date-Expires:---~уыу-12, 20от

SOURCE: Sand & Gravel Transfers, Crushers, Screens, Vehicle Traffic, and Associated Processes.



Genification of Documents

Attractuments submitted to the Deportment, including but not limited to records, monitoring data; supporting information requests for confidential treatment testing reports, arresmplisheer entitiations, shall bottoin a certification by a responsible official. The certification chall state their based on information and belief formed after reaconable inquing the statements and information in the document(s) are true receurater and complete.

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 001-00184

PERMITTEE: LOCATION: MIKE'S SAND AND GRAVEL

NAMPA, IDAHO

DATE ISSUED:

JULY 12, 2002

BATE-EXPIRES:--

////12/007

Appendix A

Appendix

Mike's Sand and Grayel

Hourly (lb/hr)^b and Annual^c (T/yr)^d Point Source Emissions Limits^a

	PM,	.
SOURCE	lb/hr	T/yr
Emissions from sand and gravel transfers, crushers, screens, vehicle traffic and associated processes	12.32	18.5

- As determined by a pollutant-specific U.S. EPA reference method,
 Department-approved alternative, or by the Department emission estimation methods used in the permit application analysis.
- Pound per hour
- As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.
- d Tons per year
- Particulate matter with an aerodynamic diameter of 10 microns or less.

ALE QUALIT PRIER II OPERATING PERMIT NUMBER 001-00184

PERMITTEE: LOCATION: MIKE'S SAND AND GRAVEL

NAMPA, IDAHO

DATE 1SSUED:

JULY 12, 2002

BATE-EXPIRES: TOTAL TOTA

GENERAL PROVISIONS

TIER II OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idahe) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, of in which any records are required to be kept under the terms and conditions of this permit; and
 - At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, its inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted Environmental Protection Agency (EPA) procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 9-342A, *Joano Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- E. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically groyded herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to sobmit such information within 60 days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the permittee to develop a list of O&M procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- Performance tests (i.e., air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each performance test required by this permit to the Department for approval at least 15 days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall

AIR QUALITY TIER II OPERATING PERMIT NUMBER: 001-00184

PERMITTEE: Location:

MIKE'S SAND AND GRAVEL

NAMPA, IDAHO

DATE ISSUED:

JULY 12, 2002

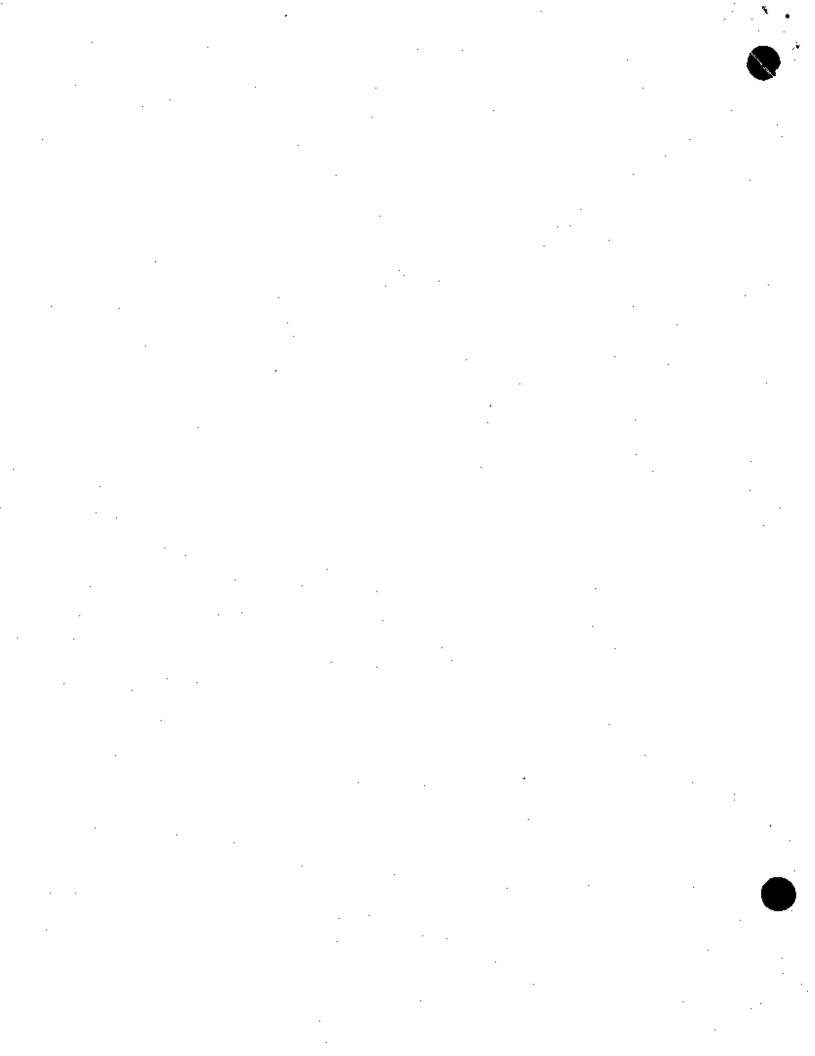
HENDER THE PARTY IS SOUTH

GENERAL PROVISIONS

include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit unless (1) a more restrictive operating limit is specified elsewhere in this permit, or (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

J. The provisions of this permit are severable; 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.





Air Quality TIER II OPERATING PERMIT PERMIT TO CONSTRUCT

State of Idaho Department of Environmental Quality PERMIT NO.: T2-020031

AIRS FACILITY NO.: 777-00106

SIC:

3273

CLASS:

UTM COORDINATE (km): PORTABLE

1. PERMITTEE

Idaho Concrete Co.

2. PROJECT

Tier II Operation Permit and Permit to Construct

Her is Operating 1 entire and 1 at this to o	O DO DO			
3. MAILING ADDRESS	CITY	STATE	ZIP	
P.O. Box 789, 2755 E. State St.	Eagle	ID	83616	
4. FACILITY CONTACT	TITLE	TELEPHONE		
Enc St. Pierre	Operations Manager	(208) 939-6831		
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE		
Eric St. Pierre	Operations Manager	(208) 939-6831		
6. EXACT PLANT LOCATION	•	COUNTY		
Portable Ada Ada				

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Production of ready-mix concrete

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400-470 and IDAPA 58.01.01.200-228. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit regulrements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied Information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 et seg.

PHEN ALLRED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 8, 2003

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2.	FACILITY-WIDE CONDITIONS	5
3.	CEMENT STORAGE SILO	9
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5.	GENERAL PROVISIONS	12

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AIRS Aerometric Information Retrieval System

Department of Environmental Quality

EPA D.S. Environmental Protection Agency

IDAPA a numbering designation for all administrative rules in Idaha promulgated in accordance

with the Rocho Administrative Procedures Act

km kilometer

Ib/hr pounds per hour

O&M Operations and Maintenance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a nominal 10

micrometers

PTC permit to construct

SIC Standard Industrial Classification

SM synthetic minor
T/yr ons per year

UTM Universal Transverse Mercator

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00106	Date Issued:	July 8, 2003
Location:	Portable	AIRS FACILITY NO. 777-00106	Deta Expiroqu	10/4 8 3000

1 DEPMIT SCORE

Purpose

- 1.4 The purpose of this permit is to limit PM_{III} emissions from this facility as part of the Northern Ada Sounty PM_{II} Maintenance Plan.
- 1.2 This Tips II operating posselt and posselt to secret set incorporates the fellowing posselt.
 - -----DTO No. 777 00106 issued February 1, 2000

Regulated Sources

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

RANK 1:1-EMISSIONS SOURGES

Section Section	Source Decertifica	Control(e)
•	Cementoti rego cilo	Baghodee
+	All associated fugitive emissions from the following: conducted aggregate admitted, weight hopper touching, attack withing, vehicle before and mine excellent of open place.	Researchic

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00106	'Date Issued:	July 8, 2003
Location:	Portable.	AIRS Facility No. 777-00100	Date Expires.	July 0, 2006

2. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the facility:

THE 2.4 CUMMARY OF REQUIREMENTS

Condition	Paramater	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring a Record Reping Requirements
2.1	Fugitive dust	Reasonable control	IDAPA 58.01.01.655-651	2.2, 2.3, 2.4, 2.5, 2.13
2.6	Odors	Reaconable control	IDAD4:58.01.01.775-776.	2.7, 2.13
2.8	Visible emissions	20% opacity for a more than three minutes in dev 50-minute period	IDAPA 58.01.01.625	29, 213
2.10	Excess emissions	Certipliance with IDAPA 58.01.01.130-136	IDAPA 58.54 01.130-136	2.13
2.12	Air stagnation advisory	Compliance with IDAPA 58.01.01.550-562	IDAPA 68.01.01.550-562	2.13
2	Open buming	In accordance with IDAPA 58.01.01.600-616	IDAPA 58.01.01.600-816	2.13

Fugitive Duet

- 2.1 All responsible processions shall be taken to prevent RM from becoming althorns in accordance with IBAPA 58.01.01.850-651. In determining what is reasonable, considerations will be given to factors such as the proximity of deal smitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PIA. Some of the reasonable processions include, but are not limited to the following:
 - Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction acceptions, the grading of roads, or the closting of lands.
 - Application, ubers precisel, of cephalt, oil, water, or suitable chemicals to: or covering of distributed, meterial stockpiles, and other currence which can areate dust.
 - Installation and use, where practically of heads, fance and febric filters or equivalent systems to enclose
 and went the handling of custy materials. Adequate containment methods should be employed during
 conditating or other operations.
 - *Gevering, where practical, of open-bodied trucks transporting materials likely to give rise to ambound
 dusts.
 - Paving of readways and their maintenance in a clean condition, where provided.
 - Prompt removal of certifier attraction dered material from attracte, where practical,

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031					
Permittee:	Idaho Concrete Co.	AIDS Partition No. 277 00100	Date Issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 777-00106	- Data Expired	July 8, 2088	

- 2.2 The permittee shall manifer and maintain records of the frequency and the method(s) word (i.e., meter themiss) dust suppresents at) to reasonably control funitive attrictions.
- 2.8 The permittee shell maintain reserve of all fugitive dust complaints received. The permittee shell take appropriate corrective action as expeditiously so practicable after receipt of a valid complaint. The records shall include, at a minimum, the date cost complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the computive action was taken.
- The parmittee shall conduct a weetly facility wide inspection of potential courses of fugitive emissions, during daylight bours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are affective. If fugitive emissions are not being recordedly controlled, the parmittee shall recipite action as expeditiously as presidents. The parmittee shall maintain records of the results of each weekly fugitive emissions inspection. The records shall instead, at a minimum, the date of each inspection and description of the following: the parmittee's assessment of the conditions existing at the time fugitive emissions were present (if charmed), any consettive estion taken in response to the fugitive emissions, and the date the consettive action was taken.
- Visible emissions are a trigger that requires the initiation of a strategy or strategies to control fugitive dust emission from associated processes of a concrete batch plant such as weigh hopper, sand and aggregate transfer, truck mixing, paved and unpaved roads, and stockpiles. Emissions from any of the associated processes and roads shall not exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Georg

- 2.0 No person chall allow, selfer, sause, or permit the emission of ederage gases, liquids, or solids to the atmosphere in such duantities as to equal dir pollution.
- 2.7 The permittee shall maintain records of all odes complaints received. If the complaint has mailt; the permittee shall take appropriate corrective action as expectitionally as practicable. The records shall include, at a minimum, the date costs complaint was received and a description of the following: the complaint, the permitteels accessement of the reliably of the complaint, any serrective action taken, and the date the corrective action was taken.

Visible Emissions

- 2.8 The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or pollutant to the atmosphere from any point of emission for a period or provided aggregating more than three minutes in any 60 minute period which is greater than 20% exactly as determined by procedures contained in IDAPA 58.61.61.025. These provisions chall not apply when the procedure of uncombined watery nitrogen exists, and/or chloring gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.
- 2.0. The permittee chall conduct a weekly facility-wide-inspection of potential accurace of visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection chall consist of a seam of secretarities for each potential source. If any visible emissions are present from any point of emission, the permittee chall either take apprepriate corrective action as expeditiously as practicable, or perform a Method 6 opacity test in accordance with the presedures outlined in IDAPA 58.01.91.025. 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

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIDS E-018- No. 777 00406	Date Issued:	July 8, 2003
Location:	Portable	AIRS Facility No. 777-00106	Date Expireor	Jaly 8, 2008

shall take all necessary corrective estion and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130.136. The permittee shall maintain records of the results of each weekly visible emissions inspection and each openity test when conducted. The records shall include, at a rainimum, the data and results of each inspection and test and a description of the following: the permittee's attacked in the stations of the following: the permittee's attacked in response to the visible emissions are present (if observed), any corrective entering taken in response to the visible emissions and the data corrective action was taken.

Excess.Emissione

2.40 The permittee shall comply with the procedures and requirements of IDADA 58.94.01.439 436 for excess emissions due to startup, shutdown, scheruled maintegance, safety measures, update, and brockdowns.

Penerts and Cortifications

2.11. Any reporting required by this parmit, including, but not limited to, records, monitoring date-supporting intermedian, requests for confidential treatment, feeling reports, or compliance conflications, shall contain a conflication by a responsible official. The sentification shall state that, based on information and belief formet after regionable inquiry, the statements and information in the determinents) are true, ecourate, and complete. Any reporting required by this permit shall be calmitted to the following.

Air Quality Permit Compliance

Department of Environmental Quality

Belse Teglansi Office

1 #45 N. Osobazd

Belse: 12 - 88768

An Stagnation Advisory Days

2.42 The permittee shall comply with the Air Pollution Emergency Rules in IDADA 58.01 of 550.553

Manitoring and Recordkooping

The permittee shall maintain sufficient recordkeeping to ensure compliance with all the terms and conditions of this operating permit. Records of monitoring information shall include, but not limited to the following; (a) the date, place, and times of sampling or measurement; (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 measurements. 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 Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00106	Date Issued:	July 8, 2003
Location:	Portable	AIRS Facility No. 777-00106	-Date-Expired-	

Open Burning

2:14 The parnittee chall comply with the requiremente of IDAPA 58.01.01.600-616, Rules for Control of Open
Barnings

Obligation to Comply

2.15 Receiving a Tier II operating parnit shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and requisitions.

- Nelecation

2.46 At least 40 days prior to relocating any equipment severed by this permit; the permittee shall register all existing partiable equipment using the Department's Pertable Equipment Registration and Relocation Form (FERF) available on the Department's Website at www.state.id.us/deglair/equiprelocat.htm. Each PERF, along with a coaled plot plan of the relocation site, chall be mailed to the following address:

PERF. Processing Unit Idebs DEO Air Outil, 1410 N. Hitten Roise ID 83706 1955

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00106	Date Issued:	July 8, 2003
Location:	Portable	AIRS Pacifity No. 777-00106	Date Expires:	July 8, 2008

CEMENT STORAGE SILO

3.1 Process Description

The purpose for the coment storage sile is to store coment for use in the production of concrete.

2.2 Control Description

Particulate matter emissions from the procuratic leading of coment from a delivery truck to the coment storage nite are controlled by a trackeuse.

Emissions Limits

3.3 Emissions Limits

Emissions of PM_{10} from cement silo loading shall not exceed any corresponding emissions rate limits listed in the appendix of this permit.

EDTO No. 777-00408 OLAKON

Operating Requirements

3.4 <u>Throughput Limits</u>

The maximum annual production of concrete shall not exceed 500,000 cubic yards per any consecutive 12-month period.

3.5 - Operations and Maintenance Manual Requirements

Within 60 days after startup, the permittee shall have developed an O&M manual for the coment storage sile beginning the precedures that shall be followed to comply with General Provision 5.2 and the baghouse pressure drop requirements contained in this permit. The manual shall remain ensite at all times and shall be made available to Department representatives upon request.

3.6 <u>Monttoring Equipment</u>.

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, a pressure drop monitoring device to measure the pressure differential across the cement storage silo baghouse.

3.7 <u>Pressure Drop Across Air Pollution Control Device</u>

The pressure drop across the cement storage silo baghouse shall be maintained within manufacturer and O&M manual specifications. Documentation of both manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031					
Permittee:	Idaho Concrete Co.	AIRS Facility No.	777 00106	Date issued:	July 8, 2003
Location:	Portable	AINS FACHITY NO.	777-00100	Date Expires:	July 8, 2008

Monitoring and Recordkeeping Requirements

3.8 Operating Parameters

The permittee shall monitor and record the following information:

- Pressure drop reading across the cement storage sile baghouse once each time the cement storage sile is leaded.
- Concrete production in cubic yards per month and cubic yards per year. Monthly concrete production shall be summed over the previous consecutive 12-month period to demonstrate compliance with Permit Condition 3.4.

These records shall be maintained in accordance with Permit Condition 2.13.

[RTC No. 777-00106, 2/4/00]

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031				
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00106	Date Issued:	July 8, 2003
Location:	Portable	AIRS Facility No. 777-00100	Data Expires:	July 8, 2008

4. APPENDIX

Table 4.1 EMISSION LIMITS

idaho Concrete Co. Emission Limits ^a - Hourly (lb/hr), and Annuai ^b (T/yr)				
Source Description	Hourly PM ₁₀ ° Emissions (lb/hr)	Annual PM ₁₈ ° Emissions (T/yr)		
Cement storage silo	3.7	0.6		
All associated process emissions (fugitives included)		19.4		

As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

Includes condensibles.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020031 Permittee: Idaho Concrete Co. Location: Portable AIRS Facility No. 777-00106 Date Issued: July 8, 2003 Date Expires: July 8, 2006

5. GENERAL PROVISIONS

- 5.1 All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Xir Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-161 et seq.
- The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 5.3 The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director.
- 5.4 Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- 5.5 Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- 5.6 In the event of any change in control of ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 5.7 This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutarits emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- 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.



Air Quality TIER II OPERATING PERMIT and PERMIT TO CONSTRUCT

State of Idaho
Department of Environmental Quality

PERMIT NO.: T2-020032

AJRS FACILITY NO.: 777-00113

SIC: 3273

CLASS:

SM

UTM COORDINATE (km):

PORTABLE

1. PERMITTEE

Idaho Concrete Co.

2. PROJECT

Tier II Operating Permit and Permit to Construct

Tier it operating Pennit and Pennit to t	- Unstruct		
3. MAILING ADDRESS	CITY	STATE	ZIP
P.O. Box 789, 2755 €. State St.	Eagle	ID 83616	
4. FACILITY CONTACT	TITLE	TELEPHONE	
Eric St. Ріелте	Operations Manager	(208) 939-6831	
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	
Eric St. Pierre	Eric St. Pierre Operations Manager		31 .
6. EXACT PLANT LOCATION		COUNTY	·
Portable		Ada	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Production of ready-mix concrete

8. PERMIT AUTHORITY

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This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 et seq.

STEPHEN ALLRED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 8, 2003

DATE EXPIRES: July 8-2006

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5.	GENERAL PROVISIONS	12

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AIRS Aerometric Information Retrieval System

Department of Environmental Quality

EPA U.S. Environmental Protection Agency

IDAPA a numbering designation for all administrative fules in Idaho promulgated in accordance

with the Idaho Administrative Procedures Act

km kilometer

lb/hr pounds per hour

O&M Operations and Maintenance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a nominal 10

micrometers

PTC permit to sonstruct

SIC Standard Industrial Classification

SM synthetic minor T/yr tons per year

UTM Universal Transverse Mercator

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032						
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00	Date Issued:	July 8, 2003		
Location:	Portable	MIKS Facility No. 1117-00	Date Expired	July 8, 2008		

- PERMIT SCOPE

Purpose

- 1::1- The purpose of this permit is to limit PM_{III} emissions from this facility as part of the Northern Ada County

 CM_{III} Maintenance Plan
- 1.2. This Tor II appreading parmit and permit to construct incorporates the following permit:
 - PTC No. 777 00113, iceded August 3, 2000

Regulated Sources

1.2 Table 1.1 lists all sources of emissions that are regulated in this permit

John 4.4 EMISSIONS SOURCES

district Sections	Seures Decemptions	Emissions Control(s)
	Coment storage vile	Coghrute-
	All accordated fugitive emissions from the followings cand and aggregate transfers, weigh hopper leading, trush mixing, vehicle traffic, and which createn at the skyline.	Reasonable central

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032						
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00113	Date Issued:	July 8, 2003		
Location:	Portable		Data Expires:	Uuly 5, 2000		

2. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the facility.

TABLE 14 CHRISTON OF RECUIREMENTS

Permit* Condition	Baractos	Remote Limit/ Standard Summary	Applicable Requirements Referense	Monitoring & Secondinaping Secondinaping
7.1	Fugitive dust	Reasonable control	IDADA 69 01 01 650 664	242
26	Odore	Pancopable control	IDADA 58.04.04.775.775	3.7-2.13
28_	Visible emissions	flan three minutes in any	IDADA 58.01.01.625	28,243-
2 10	Excess emissions	Compliance with IDADA	JDADA 59 01 01 130 136	2.19
2.12	rir elegnation	Compliance with IBAPA -58.01.04.559 552	IDAPA 58.01.01.550-502	2.13
£.11	Open butaing	(P. Cocoddonee with 40APA	IDAPA 58.01.01.600 616	2.13

Fugitive Duct

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming sirborne in accordance with IDAPA 58.04.01.050 664. In determining what is reasonable, considerations will be given to factors such as the proximity of dust emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PM. Same of the reasonable proseutions include, but are not limited to, the following:
 - Lise twhere practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, sensitive appreciant, the grading of reads, or the clearing of lands.
 - Application where producel, of asphalt, sil, water, or outable chemicals to, or covering of dirt-reads, material stockplies, and other outfoces which can create dust.
 - Installation and use, where practical, of heads, fame, and febric filters or equivalent systems to enclose
 and vent the handling of dusty meterials. Adequate containment methods should be employed during
 sandblasting or other operations.
 - *** ** Covering, where prestical, of open-bodied trusks transporting materials likely to give rise to airborne decief
 - Paring of receivery and their maintenance in a slean condition; where practical.
 - Promot removal of earth or other stored metodal from streets, where prestical.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032						
Permittee:	Idaho Concrete Co.	AIDO E	Date Issued:	July 8, 2003		
Location: Portable AIRS Facility No. 777-00113 Pate Skiplicon July 8, 2003						

- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, the missions dust suppressents, site) to reasonably central fugitive emissions.
- 2.6 The parmittes shall-maintain records of all fugitive dust complaints received. The parmittes shall take appropriate corrective action as expeditionally as practicable after receipt of a valid complaint. The records of all include, at a minimum, the data asoft complaint was received and a description of the followings: the complaint, the permitted's accessment of the validity of the complaint, any corrective action taken, and the tate the corrective action was taken.
- The permittee chall conduct a wookly facility wide inspection of peternial contest of fugitive emissions, during daylight hours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall halatain records of the results of each wookly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and description of the following: the permittee's associament of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
- Visible emissions are a trigger that requires the initiation of a strategy or strategies to control fugitive dust emission from associated processes of a concrete batch plant such as weigh hopper, sand and aggregate transfer, truck mixing, paved and unpaved roads, and stockpiles. Emissions from any of the associated processes and roads shall not exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Odors.

- 2.0 Ne person shall allow suffer, sauce, or permit the emission of ederous gaeds, liquids, or colids to the etreophers in such quantities as to cause air pollution.
- 2.7 The permittee shall maintain records of all ader complaints received. If the complaint has murit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's accessment of the validity of the complaint, any corrective action taken, and the date the complaint corrective action was taken.

Visible Emissions

- 2.8 The permittee shall not discharge any ole pollutent to the atmosphere from any point of emission for a period or pedods aggregating more than three minutes in any 60-minute period which is greater than 20% openity are determined by procedures contained in IDAPA 58.01.01.625. Those provisions shall not apply when the processes of uncombined water, nitrogen exides, and/or chloring gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.
- 2.9 The permittee chall senduct a waskly facility wide inspection of potential sources of visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of essence as evaluation for each potential source. If any visible emissions are present from any point of smission, the permittee shall either take appropriate corrective action as expeditiously as presticable, or perform a Mathod 0 opacity test in accordance with the procedures outlined in IDAPA 58:01:01:025. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periode aggregating more than three minutes in any 60 minute period, the permittee

AIR QUALITY TIER I! OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032					
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00113	Date Issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 777-00115	Bate Expires:	-July 8, 2008	

shall take all necessary corrective action and report the exceedance in its annual compliance certification and in accordance with IDARA 58.01.01.130.136. The permittee shall maintain records of the results of each weakly visible emissions inspection and each opacity test when conducted. The records shall include, at a rainimum, the date and results of each inspection and test and a description of the following: the permittee's accessment of the conditions existing at the time visible emissions are procent (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

Execss Emissions

2.10. The perpittee shall comply with the procedures and requirements of IDAPA 58:01.01.130-436 for excess emissions due to startup, shutdown, considered maintenance, safety measures; upsets, and breakdowns.

Pepario and Cortifications

2.11 Any reporting required by this permit, including, but not limited to, records, menitoring date, supporting information, requests for confidential treatment, testing reports, or compliance confidentians, chall-contain a confidentian by a responsible efficiel. The confidentian shall-ctate that, based on information and ballof formed after reasonable inquiry, the electroments and information in the document(e) are true; accurate, and a complete. Any reporting required by this permit shall be submitted to the following:

Air Quality Permit Compliance
Bepartment of Environmental Quality
Bulse Regional Office
1445 N. Oreherd
Belon, ID-93766

Air Stagnation Advisory Days

2.12 The permittee shall comply with the Air Pollution Emergency Pulse in IDADA 59 04 04 550 562

Menitoring and Recordkooping

The permittee shall maintain sufficient recordkeeping to ensure compliance with all the terms and conditions of this operating permit. Records of monitoring information shall include, but not limited to the following: (a) the date, place, and times of sampling or measurement; (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 measurements. 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 Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032 Permittee: Idaho Concrete Co. Location: Portable AIRS Facility No. 777-00113 Date Issued: July 8, 2003 Deta Explication: Why 8, 2008

Open Burning

2.11 The permittee chall comply with the requirements of IDAPA 58.01.01.609.816, Rules for Control of Open Surping.

Obligation to Comply

2.15 Pacelving a Tienth operating permit shall not refleve any owner or operator of the reopensibility to comply with all applicable local, state, and federal rules and regulations.

Polocation

2.16 At least 10 days prior to relocating any equipment covered by this permit, the permittee shall register all evicting pertable equipment using the Department's Pertable Equipment Registration and Relocation Form (PERF) available on the Department's Website at www.etate.id.us/deg/sir/squipreleast.htm. Each PERF, along with a scaled plot plan of the relocation site, shall be mailed to the following artifician:

REPE Processing Unit. Idebs DEO Air Quality. 1419 M. Hillson 8 11 19 22706 1266

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032						
Permittee:	Idaho Concrete Co.	AIDS Facility No. 777 00412	.Date Issued:	July 8, 2003		
Location:	Portable	AIRS Facility No. 777-00113	Bate-Expireo:	- July 8, 2000		

CEMENT STORAGE SILO

2.1 Process Description

The purpose for the coment storage pile is to store sement for use in the production of congrete:

3.2 Control Description

Rarticulate matter emissions from the pronumatic leading of sement from a delivery truck to the sement storage sile are controlled by a haghouse.

-Emicolons Limits

3.3 Emissions Limits

Emissions of PM₁₀ from cement sito loading shall not exceed any corresponding emissions rate limits listed in the appendix of this permit.

IDTO No. 777 00443 8/3/001

Operating Requirements

3.4 <u>Throughput Limits</u>

The maximum annual production of concrete shall not exceed 600,000 cubic yards per any consecutive 12-month period.

3.5 . Operations and Maintenance Manual Requirements

Within 60 days after startup, the permitten shall have developed an OEM manual far the coment starage cito baghouse describing the precedures that shall be followed to samply with Ceneral Prevision 5.2 and the abeghouse pressure drop requirements contained in this permit. The manual chall remain ensite at all times and shall be made available to Department representatives upon request.

3.6 Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, a pressure drop monitoring device to measure the pressure differential across the cement storage silo baghouse.

3.7 Pressure Drop Across Air Pollution Control Device

The pressure drop across the cement storage silo baghouse shall be maintained within manufacturer and O&M manual specifications. Documentation of both manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032					
Permittee;	Idaho Concrete Co.	AIDS Facility No. 277 00412	Date Issued:	July 8, 2003	
Location;	Portable	AIRS Facility No. 777-00113	Pate Expires:	July 0, 2000	

Manifering and Pagerdkooping Requirements

3.8 Operating Parameters

The permittee shall monitor and record the following information:

- Pressure drop reading across the cement storage silo baghouse once each time the cement storage silo
 is loaded.
- Concrete production in cubic yards per month and cubic yards per year. Monthly concrete production shall be summed over the previous consecutive 12-month period to demonstrate compliance with Permit Condition 3.4.

These records shall be maintained in accordance with Permit Condition 2.13.

FPTO No. 777-88443, 8/8/88

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032						
Permittee:	Idaho Concrete Co.	AIDS English No. 777 00112	Date Issued:	July 8, 2003		
Location:	Portable	AIRS Facility No. 777-00113	Date Expiree:	July 8, 2008		

4. APPENDIX

Table 4.1 EMISSION LIMITS

Idaho Concrete Co. Emission Limits ^a - Hourly (lb/hr), and Annual ^b (T/yr)				
Source Description Hourly PM ₁₀ ^c Annual Emissions Emiss (lb/hr) (T/s)				
Cement storage silo	0.4	1.6		
All associated process emissions (fugitives included)		18.4		

As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

Includes condensibles.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020032 Permittee: Idaho Concrete Co. Location: Portable AIRS Facility No. 777-00113 Date Issued: July 8, 2003 Date Expires: July 8, 2006

GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, idaho Code §39-101 et seq.
- The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 5.3 The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director.
- 5.4 Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 5.7 This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 5.8 The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- 5.9 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.



Air Quality TIER II OPERATING PERMIT and PERMIT TO CONSTRUCT

State of Idaho
Department of Environmental Quality

PERMIT NO.: T2-020033

AIRS FACILITY NO.; 777-00151

SIC:

3273

CLASS:

.SS: SM

UTM COORDINATE (km):

PORTABLE

1. PERMITTEE

Idaho Concrete Co.

2. PROJECT

Tier If Operating Permit and Permit to Construct

11 11 11 11 11 11 11 11 11 11 11 11 11			
3. MAILING ADDRESS	CITY	STATE	ZiP
P.O. Box 789, 2755 E. State St.	Eagle	ID .	83616
4. FACILITY CONTACT	TITLE	TELEPHONE	
Eric St. Pierre	Operations Manager	(208) 939-683	31
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	!
Eric St. Pierre	Operations Manager	(208) 939-683	31
6. EXACT PLANT LOCATION		COUNTY	 .
Portable		Ada	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Production of ready-mix concrete

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400-470 and IDAPA 58.01.01.200-228. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 et seq.

C. STERHEN ALLRED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

July 8, 2003

DATE EXPIRES: July 9-2008

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ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AIRS Aerometric Information Retrieval System

Department Department of Environmental Quality

EPA U.S. Environmental Protection Agency

IDAPA a numbering designation for all administrative rules in Idaho promutgated in accordance

with the Idaho Administrative Procedures Act

km kilometer

lb/hr pounds per hour

O&M Operations and Maintenance

PM particulate matter

PM₁₀ particulate matter with an effody hamic diameter less than or equal to a nominal 10

micrometers

PTC permit to construct

SIC Standard Industrial Classification

SM synthetic minor

T/yr tons per year

UTM Universal Transverse Mercator

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033					
Permittee:	Idaho Concrete Co.	AIDO Facilias No. 777 00454	Date issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 777-00151	Date Expires		

1 PERMIT SCOPE.

Purpose.

- 1.1. The purpose of this permit is to limit RM₁₀ emissions from this facility as part of the Northern Ada County PM₁₀ Maintenance Plan.
- 1.2 This Tier II operating permit and permit to construct incorporates the following permit:
 - ---- PTC No. 777-99454, isouad August 3, 2000-

Regulated Sources

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

Table 1.1 EMICCIONS SOURCES

Retion.		Emilesione Control(e)
-	i O umoni storage sild	Bagheuse
4-	All secesiated fugitive emissions from the following: send and aggregate from the following: send and aggregate from the following: weblelowintie, and wind eropion of statistics	Ressenship- central

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033					
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00151	Date Issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 777-00151	Date Expires:	July 8, 2008	

2. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the facility:

Table 2.1 SUMMARY OF REQUIREMENTS

Permit Condition	Paramoto r	Standard Summery	Applicable Requirements Referends	Monitoring & Recording Requirements
2.4	Fugitive duet	Reconcible control	IDAPA 59.01.01.850 651	2.2, 2.0, 2.4, 2.5, 2.19
2.6	Odere	Receneble central	IDAPA 58.04.04.775 776	2.7. 2.1 0 -
2.0	Vicible emiculene	90% specify for ne more than three minutes in any	IDAPA 58:01:01:528	2.0, 2.16
		60-minute period		<u> </u>
2.10	- Excese emissions	CO.01.01.100-100	JDAFA 58-91-01-130-136	2:10
2.12	Air elegation	Gompliance with IDAPA 58.01.01.550 582	IDAPA 58.01.01.550-562	2.13
2.1 1	Open burning	Imageordance with IDAPA	IDAFA-50.01.01.000-010	2:13

Fugitive Dust

- 2.1 All reasonable presautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 59.91.01.659.651. In determining what is reasonable, considerations will be given to factore such as the preximity of dust-emitting operations to human-habitations and/or activities and atmospheric conditions that relight affect the movement of PM. Some of the reasonable precautions include, but are not limited to; the following:
 - Lise, where practical, of water or chemicals for control of dust in the demolition of existing buildings or estructures, construction operations, the grading of roads, or the clearing of lands.
 - Application, where practical, of asphalt, sil, water, or suitable chemicals to, or covering of dirt roads, restoral stockplies, and other curfaces which can preate dust.
 - Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose
 and vent the handling of dusty materials. Adequate containment methods should be employed during
 sandhasting or other operations.
 - Covering, where practical, of epon-bedied-trucks transporting materials-likely to give rise to airborne dusts.
 - · Paving of readways and their maintenance in a clean condition, where practical,
 - Prempt removal of earth or other stored material from streets, where practical.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033						
Permittee:	Idaho Concrete Co.	AND EINA- N- 377 COLEA	Date Issued:	July 8, 2003		
Location:	Portable	AIRS Facility No. 777-00151	Date Expires :	July 8, 2009.		

- 2.2. The permittee shall monitor and maintain records of the frequency and the method(e) used (i.e., water, chemical dust suppressants, etc.) to recognibly control fugitive emissions.
- The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditlously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's accomment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- The permittee shall conduct a weekly facility wide inspection of patential sources of fugitive emissions, during daylight hours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are not being reasonably controlled, the permittee shall take corrective entire action as expeditiously as practicable. The permittee shall maintain records of the results of each weakly fugitive emissions inspection. The records shall include, at a minimum, the data of each inspection and description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
- Visible emissions are a trigger that requires the initiation of a strategy or strategies to control fugitive dust emission from associated processes of a concrete batch plant such as weigh hopper, sand and aggregate transfer, truck mixing, paved and unpaved roads, and stockpiles. Emissions from any of the associated processes and roads shall not exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period. Opacity shall be determined by the procedures contained in !DAPA 58.01.01.625.

adam:

- 2.6. No person chall allow, suffer, cause, or permit the emission of ederaus-gases, liquide, or solide to the ethnology of each quantities as to cause air pollution.
- 2.7 The permittee shall maintain records of all oder complaints received. If the complaint has morit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken; and the date the compatitue action was taken.

Vicible Emissions

- 2.9 The permittee chall not discharge any air poliutant to the atmosphere from any point of emission for a period or period eggregating more than three minutes in any 69 minute period which is greater than 20% epacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen evides, and/or shlorine gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.
- **3.9 The permittee shall conduct a weakly facility wide inspection of potential cources of visible emissions during deylight hours and under normal operating conditions. The visible emissions inspection shall consist of a sec/no see systuation for each potential source: If any visible emissions are procent from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 operity test in accordance with the procedures outlined in IDAPA 58:04-94-825. A minimum of 90 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

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033					
Permittee:	Idaho Coлcrete Co.	AIDO Engility No. 777 004E4	Date Issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 777-00151	Bate Expires:	July 9, 2008	

shall take all necessary corrective action and report the event times in its annual compliance certification and in accordance with IDAPA 58.01.01.130.136. The permittee shall maintain records of the results of each weekly 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 accomment of the conditions existing at the time visible emissions are present (If observed), any corrective action has in response to the visible emissions, and the date corrective action was taken.

Excess Emissions

2.40 The permittee shall comply with the procedures and requirements of IDAPA 58.94.94.438.436 for exects amissions due to startup, shutdown, scheduled maintenance, safety meacures, upoets, and breakdowns.

Reports and Cortifications

2.11 Any reporting required by this permit, including, but not limited to, records, monitoring deta; supporting information, requests for confidential treatment, testing reports, or compliance certifications, 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. Any reporting required by this permit shall be submitted to the following:

Air Quality Formit Compliance
Department of Environmental Quality
Delea Regional Office
1415 N. Orchard.
Balse, 10—88706

Air Stagnation Advisory Days

2.12 The permittee shall comply with the Air Pollution Emergency Rules in IDAPA 59:94:94:550-592.

Monitoring and Recordkooping

2.13 The permittee shall maintain sufficient recordkeeping to ensure compliance with all the terms and conditions of this operating permit. Records of monitoring information shall include, but not limited to the following: (a) the date, place, and times of sampling or measurement; (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 measurements. 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 Department representatives upon request.

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033

		<u> </u>			
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00151	Date Issued:	July 8, 2003	•
Location:	Portable	AIRS Facility No. 777-00151	Sate Expireor	0:013-01-5000	_

Geen-Burning

2.1.1 The permittee shell-comply-with the requirements of IDAPA 58.01.01.600.616, Rules for Control of Open - Suming.

Obligation to Comply

2.15 - Receiving a Tier II operating permit shall not relieve any exmer or operator of the responsibility to comply with all populable least, state, and federal sules and regulations.

Relocation.

2.45 —At least 10 days prior to releasting any equipment severed by this permit, the permitted shall register all existing pertable equipment using the Department's Pertable Equipment Registration and Releastion Form (PERF) and table on the Department's Website at: www.state.id-up/deg/pir/equipmetest.htm. Each PERF, along with a spaled plot plan of the releastion also shall be mailed to the following address:

CERE Processing Unit Idoho DEO Air Quality 4410 N. Hilton Proces ID 92706 4056

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033					
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00151	Date issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 117-00151	Date Expires:	July 8, 2008	

3. CEMENT STORAGE SILO

2.1 Process Decomption

The number for the coment storage cilcuis to store coment for use in the preduction of generate

3-3 Control Deposiption.

Cartisulate matter embelone from the pneumatic leading of coment from a delivery truck to the coment storage site are controlled by a baghouse.

Smiccione Limite

3.3 <u>Emissions Limits</u>

Emissions of PM_{10} from cement silo loading shall not exceed any corresponding emissions rate limits listed in the appendix of this permit.

[PTO No: 777-99454, 8/2/00]

Operating Requirements

3.4 <u>Throughput Limits</u>

The maximum annual production of concrete shall not exceed 500,000 cubic yards per any consecutive 12-month period.

-3.5 Operations and Maintenance Manual Requirements

Within 69 days after startup, the permittee-shall-have developed an O&M manual-for the coment-storage sile begins a describing the precedures that shall be followed to comply with General Provision 5.2 and the begins procedure drop requirements contained in this permit. The manual shall remain ensite at all times and shall be made available to Department representatives upon request.

3.6 <u>Monitoring Equipment</u>

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, a pressure drop monitoring device to measure the pressure differential across the cement storage sito baghouse.

3.7 <u>Pressure Drop Across Air Pollution Control Device</u>

The pressure drop across the cement storage silo baghouse shall be maintained within manufacturer and O&M manual specifications. Documentation of both manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to Department representatives upon request.

AIRC	AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033						
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00151	Date Issued:	July 8, 2003			
Location:	Portable	AIRS Facility No. 777-00151	Pate Expiree:				

Monitoring and Recordkooping Requirements

3.8 Operating Parameters

The permittee shall monitor and record the following information:

- Pressure drop reading across the cement storage silo baghouse once each time the cement storage silo is loaded.
- Concrete production in cubic yards per month and cubic yards per year. Monthly concrete production shall be summed over the previous consecutive 12-month period to demonstrate compliance with Permit Condition 3.4.

These records shall be maintained in accordance with Permit Condition 2.13.

(RTC No. 777 00151, 8/3/00]

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033					
Permittee:	Idaho Concrete Co.	AIRS Facility No. 777-00151	Date Issued:	July 8, 2003	
Location:	Portable	AIRS Facility No. 177-00151	Date Expires:	July 8, 2008	

4. APPENDIX

Table 4.1 EMISSION LIMITS

Idaho Concrete Co. Emission Limits ^a - Hourly (lb/hr), and Annual ^b (T/yr)			
Source Description	Hourly PM ₁₀ ° Emissions (lb/hr)	Annual PM ₁₀ ° Emissions (T/yr)	
Cement storage silo	3.7	0.6	
All associated process emissions (fugitives included)	<u> </u>	19.4	

As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

^c Includes condensibles,

AIR QUALITY TIER II OPERATING AND PERMIT TO CONSTRUCT NUMBER: T2-020033

Permittee: Idaho Concrete Co.
Location: Portable AIRS Facility No. 777-00151 Date Issued: July 8, 2008

54 GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission 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 and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, traho Code §39-101 et seq.
- The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 5.3 The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director.
- 5.4 Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- 5.5 Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 5.7 This permit shall be reviewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 5.8 The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained thereby.
- 5.9 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.



Air, Quality TIER II OPERATING PERMIT

State of Idaho Department of Environmental Quality PERMIT NO.: 027-00010

AQCR:

064

CLASS:

SIC:

2063

ZONE:

UTM COORDINATE (km):

534.5, 4828.0

1. PERMITTEE

The Amalgamated Sugar Company LLC

2. PROJECT

Tier II Operating Permit

Trot is operating to the			
3. MAILING ADDRESS	CITY	STATE	21P '**
P.O. Box 8787	Nampa	ID	83653-8787
4. FACILITY CONTACT	TITLE	TELEPHONE	
Joe Huff	Nampa Plant Manager	(208) 466-3541	
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	
Joe Huff	Nampa Plant Manager	(208) 468-3541	•
8. EXACT PLANT LOCATION		COUNTY	•
: 138 W. Karcher Road, Nampa, Idaho	•	Canyon	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Beet Sugar Manufacturing

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

September 30, 2002

Jam T2-010928

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ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AQCR Air Quality Control Region
CFR Code of Federal Regulations

CO carbon monoxide

CSB concentrated separator byproducts

Department of Environmental Quality

EPA U.S. Environmental Protection Agency

grains per dry standard cubic foot

IDAPA a numbering designation for all administrative rules in Idaho promulgated in

accordance with the Idaho Administrative Procedures Act

km kilometer

gr/dscf

lb/hr pound per hour

MMscf million standard cubic feet

MMscf/hr million standard cubic feet per year

NAAQS National Ambient Air Quality Standards

NO_x nitrogen oxides

NSPS New Source Performance Standards

O&M operations and maintegance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a

nominal 10 migrometers

PTC permit to construct

SIC Standard Industrial Classification

SIP State Implementation Plan

SO₂ sulfyr dloxide

TASCO The Amalgamated Sugar Co. LLC

TDS fotal dissolved solids

TEOM Tapered Element Oscillating Microbalance Ambient Air Monitor

T/d, T/hr, T/yr tons per day, tons per hour, and tons per year, respectively

UTM Universal Transverse Mercator
VOC volatile organic compound

Permittee: The Amalgamated Sugar Co. LLC

Date Issued: September 30, 2002

Location: Nampa, Idaho

Date Expires: September 30, 2007

TIER IL OPERATING PERMIT SCOPE

Purpose

1.1 In accordance with IDAPA 58.01.01.403.02, this Tier II operating permit establishes fedlity-wide requirements necessary to ensure that air emissions from the TASCO facility do not cause or significantly centribute to a violation of the NAAOS. The Tier II project was originally initiated to establish enforceable emissions limits in support of the Northern Ada County PM o SIP centrol strategy.

- 4.2 This Tier II operating permit incorporates all applicable permit terms from the following permits:
 - Air Pollution Source Permit No. 13.0400-0010, dated March 19, 1981
 - Air Pollution Source Permit No. 0400 0010, detect January 1, 1984

Regulated Sources

1.3 Table 1.1 helow lists sources of emissions that are specifically regulated in this Tier II specating permit

Table 4.4: BUMMARY-OF-REGULATED-SOURCES

Permit Gootlens	- Source Description	Emissions-Control(s)
æ	Fugitive Quat Sources	Fugilive Dust Plan
.	Three coelinatural gas Gred boilers (G-D1, 3-D2, 3-53)	Bagbouse A-B4/2 and N-B3
-4-	One natural pas-fired holler (C-D4)	blone
₩51	Three pulp dryers (0-D1, 0-D2, 3-D5)	Cyclones A D4A, A-D2A, A-D3A; Serubbers A D48, A-D2B, A-D3A
Five polish mille (S.D.1, S.D.5, D-26, S-D7, 3-D6)		Cyslenes A-D4, A-D5, A-D6, A-D7, A-D6, Begingss ^a
٠ .	T wo lime kiins (G-K1; 3-K2)	60%: Gas washing A-KTA, A-K2A; Carbonation systems A-K4B, A-K2B
· .		40%: Baghouse A.K1/2
-8-	Two process stakers (S-164)	Scrubber A-164-
-8-	One drying granulater (3-V/1)	Serubber A-W1
40-	Two cooling granulators (C-W2, 5-V/3)	Scrubbers AVVZ, AVV3
44	Three suger handling systems (S W4, S W6, S W7)	Eaghouses A-W4, A-W5, A-W7
12	Lime kiln building (S.K3)	Lime kiin building: Seghouse A KS

^{*} the polici mit haghause will be installed within one year of iccurance of the Fier II operating permits refer to Pormit Condition 16.

rmittee: The Amelgameted Sugar Co. LLC

Date Issued:

September 30, 2002

cation: Name

Nampa, Idaho

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2. FACILITY-WIDE CONDITIONS

Table 2.1 below contains a summary of requirements that apply generally to emissions units at the facility.

Toble 2.1: SUMMARY OF FACILITY WIDE REQUIREMENTS

Permit Conditions	Parameter Permit Limit Applicable Equipments Equipments Reference		Loguirements	Monitoring and Assorthooping Requirements
84,22	Fugilives	Reseasable control of fugilive dust / Fugilive dust / Fugilive Dust Menagement Flan-	+DAPA 58.81.01.050-851	2-2-7-3-7-4
.25	-PM _{re} and SO ₂	Ambient monitoring requirements / No seuse or eignificent contribution to a NAAGS violetien	- IDAPA 58.01.01.403.02	2 .5.1 - 2.3.5
2.0-2.7	Critoria poliutants	Perfermence testing requirements	18APA 58-01-01-405-02	2:0-2:14

Fugitive Emissions Requirements

- 2.1. All reasonable preceditions shall be taken to prevent PM from becoming airtiorne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, considerations will be given to factors such as the preximity of dust smitting operations to human habitations and/or activities and atmospheric conditions that relight affect the movement of PM. Some of the reasonable precautions include, but are not limited to, the following:
 - 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 cleaning of lands.
 - Application, where practical, of asphalt, water, or suitable chemicals to, or covering of dirt roads, material stockpiles, and other surfaces which carrierate dust.
 - Installation and use, where practical, of hoods, fans and fabric filters or equivalent systems to
 enclose and vent the handling of dusty materials. Adequate containment methods should be
 employed during sandblasting or other operations.
 - * **Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
 - · Paving of readways and their maintenunce in a dicent condition, where practicel.
 - Brompt removal of earth or other stored material from streets, where practical.
 [IBAPA 58.01.01.650-651_5/1/64]
- Within 60 days of the Issuance of the Tier II operating permit, the permittee shall implement the following Fugitive Duct Management Plan to control fugitive emissions. The permittee shall mention and maintain weekly records of any and all-actions taken to comply with the measures, including, but not limited to, frequency of application or observation, type and quantity of suppressent applied, the extentional date(s) of any deviation from any previous of Facility wide Condition 2.2, and corrective actions implemented to correct any deviation(s).

Permittee: The Amalgamated Sugar Co. LLC

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Date Laph serve Copumber 56, 2007

 Operate atomizing sprays at the coal unloading station (Emissions Unit No. F-64) during any material-moving activities at the unloading station.

- Install and operate fugitive dust spray-bar systems on all-relling stock, with the exception of the soal
 relling packer and temporary rental-equipment, associated with operations in the vicinity of the coal
 storage area.
- Inspect and maintain the burn and trees at the costem boundary of the facility as necessary, but not less than annually.
- Apply water of a water/CSB dust suppressant to all facility roads, coal and coke had reads, and beet
 unleading press as necessary, but not less than weekly from May 1 through October 31 of each
 year.
- Apply water to the coal pile, at least biweekly during unloading and transfer activities.
- Apply a surfactant to the coal pile, at least once per year after the coal storage area has reached final grade.

[#DAPA 58.01.01.406.01, &/1/04]

2.3 The permittee shall maintain and record all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was reselved and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

(HDAPA 58.81.91.495.81, 6/4/04)

2.4 Unless specified elsewhere in this permit, the permittee shall conduct a monthly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are effective. If fugitive emissions ensure that the methods used to reasonably controlled, the permittee shall take somethive ection as expeditiously as practicable. The permittee shall maintain reserve of the results of each monthly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's accessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was

{+C\143-,103-804,104.105.04-8/4/94}

Ambient Monitoring Requirements

- 2.5 Within 12 months of Tier II operating permit issuance, the permittee chall install, maintain, and operate two reference PM₁₆ (one TEOM and one high-volume), one reference SO₂ and meteorelegical menitering equipment at a location(s) approved by the Department. Ambient air quality menitoring shall be performed to collect data on meteorological parameters and ambient consontrations of PM₁₀ and SO₂, as follows:
- 2.5.1—The permittee shall submit a nambient-monitoring-protocol-to-the Department for approval within 120 days of Tier II operating parmit is suance. The protocol-shall provide the specifications on the monitoring equipment and define the operating perameters for conducting the monitoring. The protocol-when approved shall become part of the terms and conditions of the Tier II operating permit.

mittee; cocation: The Amalgamated Sugar Co. LLC

Nampa, Idaho

Date Issued:

September 30, 2002

Dote Expires.

Geptember 20, 2007

2.5.2 The embient pix monitoring site leastion(s) shall be estated through modeling analysis. The permittee shall examine the Department for approval within 66 days of Vice II specifing permit issuance. The permittee shall conduct and submit the modeling energy for placing the mentions with all backup data requested by the Department, for approval within 66 days after the modeling protects is approved.

- OF a real-time shall make the PM₁₀ TEOM and SO₂ mentioning station(s) data accessible to the Department of a real-time besis via telemetry. All monitoring data shall also be submitted to the Department in secondaries with the embient mentering protocol approved by the Department. The data shall be subject to Department quality secure as review. The Department may make all valid emblest an quality data available to the public.
- 4.5.4 The permittee may discentinue maintenance and operation of the SO₇ ambient bit quality morator at any time often all of the requirements of Parmit Dendition 19.1 have been esticited.
- 25.5. The possition may discontinue maintenance and operation of the PM_{III} embient air quality transfers of each time after all of the requirements of Permit Condition 10.0 have been estimated.

שנים בינים ב

Performance Teating Requirements

For all required performance testing, the permittee shall provide notice of intensity test to the Department of Isset 45 days price in the scheduled test or shorter time period as provided in a permit, order, someth decree, or by Department opposition. The Department may, at its option, have an observer precent at any emissions tests readed to a course. The Department requests such testing not be performed on vigotando or state helidays.

Althoring shall be conducted in assordance with the procedures in IDAF A 30.01.0 (-157. Without prior Department approved, any element relating to conducted acted at the permitted's risk. If the permitted falls to element may determine that the testing does not estimate the department of any testing does not estimate that the testing requirements. Therefore, prior to conducting any compliance that the permitted in strongly accompand to admit in writing to the Department, at least 50 days in advance, the following for approval:

- -1 The Appendigment of the beauty
- in the extensive time and continued disconnections of regarding the proposed test
- The proposed schedule for conducting and reporting the lest

Within 30 days following the date on which a compliance test required by this purmit is concluded, the permitted shall submit to the Department a compliance test report for the respective test. The compliance test report for the respective test. The compliance test report for the restrict as well as the process identification of the method associated process operating data collected during the test period, and test results as well as new test data agrid associated decreased as including any approved test protocol.

The prepared test date(a), test date reacheduling notice(s); compliance test report, and all other correspondence shall be cont to the following:

Permittee:

The Amalgamated Sugar Co. LLC

Location:

Nampa, Idaho

Date Issued:

September 30, 2002

Duto Expires.

Deplember 60, 2007

Air Quality Pormit Compliance

Bupartment of Environmental Quality

Baise Regional Office

1445 N. Orahard

Baise, ID 93795 9289

Telephone (208) 273 9550 Few (208)

HDADA 50.04.01.457, 4/5/00, IDADA 58.04.04.605.00, 5/4/04

2.7 For all required performance testing, the permittee shall use the test methods described in Table 2.2 to measure the pollutant emissions.

Table 2.2: APPROVED TEST METHODS

Pollutant	Test Method*	Special Conditions			
PM ₁₀	EPA Method 201.a. and Method 202				
PM	EPA Mothed 6				
NO	EGA Hottod 7-				
SD,	5PA Mathed G-				
00	GRA Method 40.				
Voc	ERA Method 25				
Operaty	EPA Methodo	For an MOFO scenes, use 1000 A 5000 1201020 and Massad 8.			

^{*}Or Department-approved alternative in accordance with #DAPA 56:01.01.157

18-04-68-68-68-7-50 4/E/071

28 For all required performance testing, the permittee shall address the required averaging pedod specified in accordance with IDAPA 58.01.01.670 and the attitude correction in IDAPA 58.01.01.680 prior to conducting the test.

(10-1-7-A 50-01-01-05-00; 5/1/04)

2.0. For all required performance testing, a visible emissions evaluation shall be performed during each test.

The visible emissions evaluation shall be conducted in accordance with the procedures contained in IDAPA

58.01.01.625.

1832-4-60-64-406-09-614-64b

Performence Testing Coheclule

- 2.10 Within 120 days of issuance of the Tier II operating permit and before the end of the 2002/2003 beet campaign, the permittee shall conduct performance tests as required in Facility-wide Condition 2.10.1.
- 2.10.1 Performance tests shall be conducted on the South, Center and North dryers to demonstrate compliance with the emissions limits for PM₁₀ in Permit Condition 13.2. The dryer shall be tested with coal as the exclusive fuel. The permittee shall monitor and record the throughput of the dryer, coal feed rate in tons per hour, and scrubber differential pressure of the scrubbers during each test. Throughput of the dryer shall be represented by the sum of the masses of coal, wet pulp, and CSB fed to the dryer. The permittee shall collect a representative sample of recirculated water from the scrubber during each test. The concentration of TDS in the sample water shall be analyzed, recorded, and expressed in milligrams of solids per liter of water.

mittee: The Amaigamated Sugar Co. LLC

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Nampa, Idaho

Date Expires: Captember 82, 2807

2.10.2 If the PM₁₀ emissions rate measured in the performance test conducted in accordance with Facility-wide Condition 2.10.1 is less than or equal to 75% of the PM₁₀ emissions standard in Facility-wide Condition 13.2, no further testing shall be required. If the PM₁₀ emissions rate measured during the performance test conducted in accordance with Facility-wide Condition 2.10.1 is greater than 75%, but less than or equal to 90% of the PM₁₀ emissions standard in Facility-wide Condition 13.2, a second test shall be required in the third year of the permit term. If the PM₁₀ emissions rate measured during the performance test conducted in accordance with Facility-wide Condition 2.10.1 is greater than 90% of the PM₁₀ emissions standard in Facility-wide Condition 13.2, the permittee shall conduct a compliance test annually.

10 4 0 4 2 5 04 R4 102 05 EN MAT

- 2.11 The permittee shall conduct performance tests as required in Facility-wide Conditions 2.11.1 through 2.11.5 during the first beet campaign following fulfillment of the provisions of Permit Condition 13.4.
- 2.11.1 Performance tests shall be conducted on the B&W No. 1 belier, the B&W No. 2 boiler, and the Ritey boiler to demonstrate compliance with the emissions limits for PM₁₀ and CO in Permit Condition 3.8. The performance test shall be conducted after the requirements of Permit Condition 13.4.2 have been satisfied. For the PM₁₀ performance test, the boilers shall be tested with coal as the exclusive fuel. For the CO performance test, the boilers shall be tested with natural gas as the exclusive fuel. The permittee shall monitor and record the steam production rate of each boiler; coal feed rate to each boiler in tons per hour or natural gas firing rate in MMscl/hr; the highest heating value and analysis results, including ash content, for the performance test with coal; and pressure drop across each beginouse during each test.
- 2.11.2 Performance tests shall be conducted on the B&W No. 1, B&W No. 2, and Riley boilers to demonstrate compliance with the emissions limit for PM in Permit Condition 3.4. The performance test shall be conducted after the requirements of Permit Condition 13.4.2 have been satisfied. The tests shall be conducted with coal as the exclusive fuel in the boilers. The permittee shall monitor and record the steam production rate of each boiler; coal feed rate to each boiler in tons per hour, the highest heating value and analysis results, including ash content, for the coal; and pressure drop across the baghouse during each test.
- 2.11.3 Performance tests shall be conducted on the pettet mills to demonstrate compliance with the emissions limits for PM₁₀ in Permit Condition 6.3. The performance test shall be conducted after the requirements of Permit Condition 6.6 have been satisfied. The permittee shall monitor and record total throughput of the mills and the pressure drop across the baghouse during each test. Total throughput of the mills will be determined by the dry shred weight-o-meter.
- 2.11.4 Performance tests shall be conducted on the lime kilns to demonstrate compliance with the emissions limits for PM₁₀ and CO in Permit Condition 7.3. The permittee shall monitor and record the lime rock throughput of each kiln and the pressure drop across the baghouse during each test.
- 2.11.5 If an emissions rate measured in the initial performance test conducted pursuant to Permit Condition 2.11.1 is less than or equal to 75% of an applicable emissions standard in Permit Condition 3.3, no further testing shall be required. If an emissions rate measured during the performance test conducted pursuant to Permit Condition 2.11.1 is greater than 75%, but less than or equal to 90% of an applicable emissions standard in Permit Condition 3.3, a second test shall be required in the third year of the permit term. If an emissions rate measured during the performance test conducted pursuant to Permit Condition 2.11.1 is greater than 90% of an applicable emissions standard in Permit Conditions 3.3, the permittee shall conduct a performance test annually.

The Amalgamated Sugar Co. LLC Permittee:

Date issued: September 30, 2002

Nampa, Idaho Bulo Expirous Ocolomber 99: 2007 Location:

The permittee shall conduct performance tests as required in Facility-wide Conditions 2.12.1 through 2.12.3 2.12 during the second beet campaign following fulfillment of the provisions of Permit Condition 13.4.

- 2.12.1 Performance tests shall be conducted on the Union boller to demonstrate compliance with the emissions limits for PM₁₀ and CO in Permit Condition 4.3. The permittee shall monitor and record the steam production rate of the boiler and the natural gas-firing rate of the boiler during each test.
- 2.12.2 Performance tests shall be conducted on the process slakers to demonstrate compliance with the emissions limits for PM₁₀ in Permit Condition 8.3 and the emissions limit for PM in Permit Condition 8.4. The permittee shall monitor and record the calcium oxide rock throughput of each process slaker and the scrubber nozzle header pressure during each test.
- 2.12.3 Performance tests shall be conducted on the drying granulator to demonstrate compliance with the emissions limits for PM10 in Permit Condition 9.3 and the emissions limits for PM in Permit Condition 9.4. The permittee shall monitor and record the throughput of the drying granulator and the brix of the scrubber fluid during each test.

- 2.13 The permittee shall conduct performance tests as required in Facility-wide Conditions 2.13.1 through 2.13.3 during the third beet campaign following fulfillment of the provisions of Permit Condition 13.4.
- 2,13,1 Performance tests shall be conducted on the No. 1 cooling granulator to demonstrate compliance with the emissions limits for PM₁₀ in Permit Condition 10.3. The permittee shall monitor and record the throughput of the granulator and the pressure drop across the bachouse during each test.
- 2.13.2 Performance tests shall be conducted on the process No. 2, specialties, and packaging-line sugar handling systems to demonstrate compliance with the emissions limits for PM in Permit Condition 11.3 and the applicable emissions limit for PM in Permit Conditions 11.4 or 11.5. The permittee shall monitor and record the throughout of the sugar handling system and the pressure drop across the baghouse during each test.
- 2.13,3 Performance tests shall be conducted on the time kiln building baghouse during the third year of the permit term to demonstrate compliance with the emissions limit for PM₁₀ in Permit Condition 12.3. The permittee shall monitor and record the total throughput of lime rock to the kilns and the pressure drop across the lime klin building baghouse during each lest.

- The permittee shall conduct performance tests as required in Facility-wide Conditions 2.14.1 through 2.14.2 2.14 during the first best campaign following fulfillment of the provisions of Permit Condition 13.8.
- 2.14.1 Performance tests shall be conducted on the South dryer to demonstrate compliance with the amissions limits for PM $_{10}$ and CO in Permit Condition 5.3. For the PM $_{10}$ performance test, the dryer shall be tested with coal as the exclusive fuel. For the CO performance test, the dryer shall be tested with natural gas as the exclusive fuel. The performance test shall be conducted after the requirements of Permit Condition 13.8 have been satisfied. The permittee shall monitor and record the tons of wet pulp and CSB fed to the dryer, coal feed rate in tons per hour or natural gas-firing rate in MMsc//hr, and scrubber differential pressure of the samblers during each test. The permittee shall collect a representative sample of recirculated water from the scrubber during each test. The concentration of TDS in the sample water shall be analyzed, recorded, and expressed in milligrams of solids per liter of water.

mittee: The Amalgamated Sugar Co. LLC

Date Issued:

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cation: Nampa, Idaho

Date Expireet September 30, 2007

2.14.2 Performance tests shall be conducted on the South dryer to demonstrate compliance with the emissions firmit for PM in Permit Condition 5.4. The tests shall be conducted with coal as the exclusive fuel in the dryer. The performance test shall be conducted after the requirements of Permit Condition 13.8 have been satisfied. The permittee shall monitor and record the tons of wet pulp and CSB fed to the dryer, coal feed rate in tons per hour, and scrubber differential pressure of the scrubbers during each test. The permittee shall collect a representative sample of recirculated water from the scrubber during each test. The concentration of TDS in the sample water shall be analyzed, recorded, and expressed in milligrams of solids per liter of water.

HEARA 68.04.04.405.09.6/4/04

Generations and Maintenance Maguel Provincements

- 2.15 The permittee thall devolve an OFM measure for the apprepriate emissions central device(n) each of the following neumon: (a) the PPW No. 1, 254W No. 2, and Pilley believe; (b) the Coulty Content and North devel; (c) the No. 1, 2, 3, 4, and 5 policy milley (d) the A and P limb killey (e) A and P precess clotest; (f) the daying granulators; (g) the No. 1 and No. 2 cooling granulators; th) the precess No. 2, approximately and positioning the cuper heading systems; and (i) the time kits building. The permittee shall be relay as in 2 this manifest within the analysis of issuance of the Trank operation parmit.
- 2.15.1. After the initial OSM manual development, the permittee shall update the sentral device manifolisty program, in the OSM manuals offer each Department approved performance took.
- 2.45.2. The O.P.M. measure shall address the specifier, maintenance, and repair of applicable control design(s) for each source to ensure good working order and operation as efficiently as practicable. The manuals shall include at a minimum is general description of the sentral desista(s) proceeds approximate and compatible and proceedures, specifically and compatible provides a providing maintenance appropriate corrective colleges to be taken a provisions for maintage leaguestions during against operations; and providence for annual inspections during planned maintenance cutoffice in separations with a permittee chall have receive at maintenance activities in separations with a facility with a condition of the permittee chall have receive at maintenance activities in separations with a facility with
- 2.15.3 The OSM monutes shall include a control device monitoring program that autoblishing control device operating personalers to be mentioned, their acceptable operating ranges, controlling a state to the mentioning frequency, and frequency of recording. The mentioning personalers shall include but one not limited to any operation of device mentioning parameters, inquired under any permit condition in this permit, unless the Department of approximation that removed from this permit condition. The control device mentioning program shall be developed by the normalities because the device mentioning program shall be developed by the
- 2.15 d. The OSSI manuals shall be maintained ensite and shall be made evallable to Department representatives

Permittee: The Amalgamated Sugar Co. LLC

Nampa, Idaho Location:

Date Issued:

September 30, 2002

Capitantier Co. 2007 Date Expires

charite the operating range opening by the control device montaining Q&N4 manual, the permittee cheft take seriesive sation as expeditiously as precisable to the within the operating range. Designation from the operating range mosby the meeting be considered deviations from applicable emissions standards, unless the Babdelmentings that the freetveries, duration, as morphised of the duristics indicates that additional editional

Manifering and Recordspenden Requirements

The permittee shall maintain sufficient recordiceping to assure compliance with all of the terms and 2.16 conditions of this operating permit. Records of menitoring information 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 (i) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of efficient 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 Department representatives upon request.

Reporting and Cortification-Requirements

Any constition must the by this normit, lack ding, but not limited to meastic monitoring data supportion THE ROTH WILDOW, TO QUEST TO THE TOTAL WORLD TO COME TO COME ST COME TO COME OF THE COME O Confidency on by a responsible official. The confidential state that based on information fermed effor reatenable inquiry, the statements and information in the desument(s) are 1 remalete the reposition required by this pormit chall be submitted to the following

> Air Quality Possit Compliance Detectorent of Emdonmontal Quality Boloo Regional Office 1445 N. Orchard. Beise ID 93708-2239 Polojanio (208) 272 neen For: /2091 277 0297

Obligation to Comply.

Ter il operating permit and telegraphic and participated and established and equilations

nittee: Cation:

The Amalgamated Sugar Co. LLC

Nampa, Idaho

Date Issued:

September 30, 2002

Buto Expires.

Ceptomber 99, 2007

EMISSIONS UNIT - B&W NO. 1, B&W NO. 2, AND RILEY BOILERS (S-B1, S-B2, S-B3) 3.

Parage Dancockion

section are fired by pairwised coal antifor materal gas, and are used

- Author-	مجد المناسلة	Institution Pass	Rejud Divors Copacity (htt://denty/htm)
EENCNo.1 bolles	5.01	1012	100,500
DEW No. 2 boiler	2.00		105,000
· Pilley keller	2.00	1040	235/805

- controlled by a single bagheace (dni controlled by a baghaver (Unit Mar. A. DD) moneractured by Enviroled's Corp.

Emigrione-Limite

Emissions Limits 3.3

Total emissions of PM10 and CO from the B&W No. 1, B&W No. 2, and Riley boilers shall not exceed any corresponding emissions rate limits listed in the following table:

Table 3.2: EMISSIONS LIMITS FOR COAL/NATURAL GAS BOILERS

Source Description /	P	PM ₁₀			
Unit. Number	No/her	· T/yr	Jailer	,Time	
B&W No. 1 boller / S-B1					
B&W No. 2 boller / S-B2	138.1	604,3	28-4	150.0	
Riley botter / S-B3					

Permittee: The Amalgamated Sugar Co. LLC

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Nampa, Idaho

Sute Expirent

Ocutember 00, 2007

O. L. Crain landing Limit

The permittee shall not discharge DM to the atmosphere from the DSM No. 1, DSM No. 2, as Dilay boiler in expect of the concentrations shown to Table 2.2. When two fuels are burned concentrations shows to Table 2.2. When two fuels are burned concentration allowed for each fuel. The affluent gas volume shall be corrected to the expect consentration about.

Table 4 7. ALLOWARD E PARTICULATE PARCOCONO DARED ON CUEL THE

	المسلكيسية	Allowable Pertinuists Emissions (gnose)	Rememb. - Bilyyuu-	
Γ	Cold, or combined at Local and material gray	9.10000 ⁽¹⁾ 0.011(1/ ¹⁾		
Γ	Natural gas	0.040		

pursuant total front in all formed from the comboultaries work

egy levelop to nettenders the most beninet traction of polycol gap

[MAPA 58:04:04:04:04:04: Permit 110:40 040 0040; MO/04]

Operating Requirements

3.5 Throughout Limits

For each boller, the maximum allowable cost feeding rate and natural gas-firing rate shall be limited to 120% of the average feed and firing rate attained during the most recent performance test conducted pursuant to Facility-wide Conditions 2.11.1 or 2.11.2, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a feed or firing rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

O.O. Fuel Linsite

3.7 Baghouse Operating Requirements

The baghouses shall be operated and maintained at all times during boiler operation. The pressure drop across each of the baghouses shall be maintained within manufacturer or O&M manual specifications.

[182.42.4.68.94.61.405.61, 371.64]

Menitoring and Recordkooping Requirements

3.8 Boiler Monitoring Requirements

The permittee shall monitor and record the information listed in Permit Conditions 3.8.1-3.8.8 for each boiler. The records shall be maintained in accordance with Facility-wide Condition 2.16.

mittee: The Amalgameted Sugar Co. LLC

Date Issued:

September 30, 2002

Excation:

Nampa, Idaho

Dote Expires

September 80, 2007

- 3.8.1 The average daily coal feed rate in tons per hour.
- 3.8.2 The coal feed rate for each consecutive 12-month period in tons per year.
- 3.8.3 The daily hours of operation with coal.
- 3.8.4 The heat input rate expressed in millions of British thermal units per hour by correlating the coal feed rate with the coal high-heating value.
- 3.8.5 The average daily natural gas-firing rate in millions of standard cubic feet per hour.
- 3.8.6 The natural gas-firing rate for each consecutive 12-month period in millions of standard cubic feet per year.
- 3.8.7 The daily hours of operation with natural gas.
- 3.8.8 The fuel type whenever the fuel type is changed. Fuel type in this section means natural gas only, coal only, or the combination of natural gas and coal.

TID ADA 28 DE OS ESE DE DE ESEJOS

3.9 Baghouse Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across each of the beginning. The pressure drop shall be recorded once per week white the boilers are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

25 April 58 04 04 405 04 614 64

Permittee:

The Amalgamated Sugar Co. LLC

Date issued:

September 30, 2002

Location:

Nampa, Idaho

Deter Empires: Coptamber 00, 2007

4. EMISSIONS UNIT - UNION BOILER (S-B4)

4-1 Brooms Decemption

The Union bailer is first exclusively by neteral gas and is used to supply steam to processes at the feelity. This bailer was installed in 1957 and has a steaming capacity of 50,000 lb/kr.

4.2 Control Depositation

Emissions from the Union boiler are uncentralled.

Emigrione Limits

4.3 Emissions Limits

Emissions of PM₁₀ and CO from the Union boiler shall not exceed any corresponding emissions rate limits listed in Table 4.1.

15 AF A 50:01:01:400; 0/1/94]

Table 4.1; EMISSIONS LIMITS FOR UNION BOILER

Source Description /	PMys		-66-	
Unit Number	ib/hr	Tiye		حرنة
Union boiler / S-B4	1.6	6.8	مع	32-6

The permittee shall and displayer PM to the elimesphere from the Union boiler in excess of 0.045 gridesf of effluent gas corrected to 3% engages by volume.

Spareting Requirements

4.5 Throughout Limits

The maximum allowable natural gas-firing rate of the Union boiler shall be limited to 120% of the average firing rate attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.1.2.1, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a firing rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

[NDAPA 50-01-01-105-01-6/1/94]

4.6 Fuel Limit

The Union boiler shall by fired exclusively by natural gas.

mittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

cation:

Nampa, Idaho

Bris Expires:

September 00, 2007

Manitoring and Recordkooping Requirements

4.7 Boiler Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the natural gas-firing rate of the boiler. The daily hours of operation shall be recorded and the average daily firing rate shall be recorded in millions of standard cubic feet per hour. The natural gas-firing rate for each consecutive 12-month period shall be recorded in millions of standard cubic feet per year. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

(10APA-88-84-84-486-84-614-84-184

Permittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

Location:

Nampa, idaho

Date Empirees

Cepternbur 30; 2007

5. EMISSIONS UNIT - PULP DRYERS (S-D1, S-D2, S-D3)

5.1 Process Description

The three direct fixed pulp dryors are used to dry proceed boot pulp and 999 for production of cattle feed. The dryors are pulverised seel and natural gas fixed. Table 5.1 contains a description of each dryor.

Table 5.4: DRYEN DECORPTIONS

Dage	. Unit Mumbar	Installed on Date	tupus Design Corposity (Liter)
Coulb	6.84	1005	
Gerder	G 5 2	1200	
 North	0.00	1956	05

Willia the fifth year of the parmit term, the Center and North dryers will be replaced by a steam dryer system (refer to Parmit Condition 13.9 of the Compliance Schedule in this parmit).

5-0 Control Description

Each sybpurit stream from the South and Control dryers is split into two streams. The exhaust streams from seath dryer are then controlled by a cyclens and a spray impingement type sorubber in series. Emissions from the North dryer are controlled by a cyclene and a spray impingement type sorubber in series.

TALLED DISTRIBUTED DESCRIPTIONS

Enterior Management	Emissione Control Books and Strik Namber
Seath pulp days (E.D4	Opp. Hysteria and one openy impingement type constitut to period toact stack. (India heart to DAD)
	Controvalence and one openy implegement type correlate in cories / west stack (5.04.6. and 5.04%)
Contra pula Marci C Da	Companies and one opery implegement type saudder in sories I was stack.
Gentse-pulpitayari bulik	(Processing to 1989)
Nerth Pelp dryor / 8 0%	One systems and one spiney impingument type scrubber in series (#. 200) and (#.200)

Emissiona Limita

5.3 Emissions Limits

Upon fulfillment of the requirements of Permit Condition 13.8, emissions of PM₁₀ and CO from the South dryer shall not exceed any corresponding emissions rate limits listed in Table 5.3.

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Table 5.3: EMISSIONS LIMITS FOR SOUTH DRYER

Source Description /	PNI ₉₈		. 99	
Unit Number	1b/hr	Thy	مجت	
South pulp dryer / S-D1	18.7	82.0	400-0	54012

nittee: Location: The Amalgamated Sugar Co. LLC

Namos, idaho

Date Issued:

Sagtember 30, 2002

Date Evalue

Gestomber 00, 2007

Separation of the Limit

The permittee chall not omit PM to the excessions from any of the pulp dryers in excess of the amounts shown in the following equations, where E is the total rate of emissions from all emissions points from the searce in pounds per hour and PW is the process weight in pounds par hour.

- If Fall is loca than 47,000 lblb

7-0-045/PW0-80

- If TVV is equal to or greater than 17,000 long.

E-142(DW)9.2

(IDAPA 58-04-04-702, 4/5/80)

Operating Requirements

5.5 Throughout Limits

The maximum allowable throughput, coal feed rate, and natural gas-firing rate of the dryers shall be limited 120% to the average rate attained during the most recent performance test conducted pursuant to Facility-wide Conditions 2.10 or 2.14, for which Department approval has been granted, which demonstrated compillance with applicable pollutant emissions limit(s), unless such rates would cause emissions to exceed any emissions limit(s) set forth in this permit. Throughput of each dryer shall be represented by the sum of the masses of coal, if applicable, wet pulp, and CSB fed to the dryer, and shall in no case exceed 65 tons per hour for either the South or Center dryer, nor 25 tons per hour for the North dryer.

PDAPA:58.04.04.408.04,614/04

Froi Limit

The paymilles shall not use or fire seal with a cultur content greater their 4% by weight.

HOAPA 58.04.04.720, 5/4/94)

Greleng and Carabbor Operating Requirements

The systems and combbors shall be operated and maintained stall times during dryor operation. The sombbor differential processor of the combbors shall be maintained within manufacturer or O.S.M. manual appelifications.

5.0 Combbor Mater Perciremente

The sensentation of TDS in the scrubber water shall be maintained within manufacturer or S&M manual specifications.

[<u>||2,4,2,4, 69,01,01,406,04, 6/4/6</u>4

Permittee:

The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

Location:

Nempa, Idaho

Dete Expires: Deptember 50; 2007

Monitoring and Recording Possissments

5.9 Dryer Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 5.9.1-5.9.9 for each dryer. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 5.9.1 The average dally coal feed rate in tons per hour.
- 5.9.2 The coal feed rate for each consecutive 12-month period in tons per year.
- 5.9.3 The daily hours of operation with coal.
- 5.9.4 The average daily natural gas-firing rate in millions of standard cubic feet per hour.
- 5.9.5 The natural gas-firing rate for each consecutive 12-month period in millions of standard cubic feet per year.
- 5.9.6 The daily hours of operation with natural gas.
- 5.9.7 The average daily throughput in lons per hour.
- 5.9.8 The throughput rate for each consecutive 12-month period in tons per year:
- 5.9.9 The dryer fuel type whenever the fuel type is changed. Fuel type in this section means natural gas only, coal only, or the combination of natural gas and coal.

HDADA 58,04,04,406,04, 6/4/04)

5.10 Scrubber Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the scrubber differential pressure of the scrubbers. The scrubber differential pressure shall be recorded once per week while the dryers are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

WARLER BLOG - 485.61 - 51164

5.11 Scrubber Water Monitoring Requirements

The permittee shall collect a representative sample of recirculated water from the scrubber biweekly from the start through the end of the campaign. The concentration of TDS in the sample water shall be analyzed and recorded in milligrams of solids per liter of water. The records shall be maintained in accordance with Facility-wide Condition 2.16.

mittee: The Amalgamated Sugar Co. LLC

Date Issued:

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Bate Ekpirson - September 99, 2007

EMISSIONS UNIT - PELLET MILLS (S-D4, S-D5, S-D6, S-D7, S-D8)

6.1 Description

Location:

Pellet mile No. 1, 2, 3, 4, and 5 (Unit No. S.D.4, S.D.5, D.D.6, D.D.7, and D.D.6, respectively) use feread ambient als to later the temperature of the dry, pelletized pulp. The pellet mile are all manufactured by Guiffernia Pellet Mill, and were installed at various dates ranging from 1950 to 1972. Pellet mills No. 1 and 5 each have rated apposition of 1 to temperature. Pellet mills No. 2, 6, and 4 such have rated apposition of 8 II tops of pollote per hour.

8.0 Control Description

Emissions from the policit mile are controlled by five systemes, one per each policit mile exhaust stream (Unit No. 1-D4, A D5, A D6, A D7, and A D6, respectively). Within the first year of the permit term, one common builting to installed to reduce emissions from the policit mile.

Emineinne Liggite

6.3 Emissions Limits

Upon fulfillment of the requirements of Permit Condition 13.4, total emissions of PM₁₈ from the peliet mills shall not exceed any corresponding emissions rate limits listed in Table 6.1.

HEADA-10-04-09-3/17997

Table 6.1:	FMISSIONS	LIMITS	FOR PF	LLET MILLS

Source Description /	PN	PM ₁₀		
Unit Number	ib/hr	T/yr		
Pellet mill No. 1 / S-D4				
Palist mill No. 2 / S-D5				
Pellet mill No. 3 / S-D6	0.8	3.1		
Pellet mill No. 4 / S-D7				
Pellet m₩ No. 5 / S-D6				

8.4 Program Maight Poto Limit

The permittee shall not smit PM to the atmosphere from the peller mills in excess of the amounts shown in the following equations, where E is the total rate of emissions from all emissions points from the source in pounds per hour and PM is the precess weight in pounds per hour.

- If PW is loss than 17,000 lb/hm

E = 0.045(PW)0.50

- If PIN is equal to or greater than 17,000 lb/hr.

5-1-12(DIAL)227

(HDAPA-50-04-04-7-02, 4/5/00

Permittee: The Amalgamated Sugar Co. LLC

Date Issued: September 30, 2002

Location: Nampa, Idaho

Date Expires. September 30, 2007

Georgeing Paguiromonts

6.5 Throughput Limits

The total, combined pellet throughput of the mills shall be limited to the average, total throughput rate attained for the pellet mills during the most recent performance test conducted pursuant to Facility-wide Conditions 2.11.3, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a throughput rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

110-1-17-A-00:01:01:405:01, 5/1/84

6.6 Baghouse Operating Requirements

Within the first year of the permit term, a baghouse shall be installed on the pellet mills' exhaust stream(s) prior to release to the atmosphere. The baghouse shall be operated and maintained at all times during pellet mill operation. The pressure drop across the baghouse shall be maintained within manufacturer or O&M manual specifications.

WARA 30:01:01:405:01; 5/1/84)

Maniforing and Recottlingpling Requirements

6.7 Pellet MHI Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 6.7.1 and 6.7.2 for the pellet mills. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 6.7.1 The average daily throughput in T/hr.
- 6.7.2 The throughput for each consecutive 12-month period in T/yr.

8.8 Baghouse Monitoring Requirements

Within the first year of the permit term, the permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across the baghouse. The pressure drop shall be recorded once per week while the pellet mills are in operation. In the event that any measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

IN A DA . P.O. GA . OA . ADT. GA ... TANKE

nittee:

The Amalgamated Sugar Co. LLC

Nampa, Idaho

Date Issued:

September 30, 2002

Dete Expires.

September 90, 2007

EMISSIONS UNIT – A AND B LIME KILNS (S-K1, S-K2)

7-4 Process Description

The French B lines hikes (Unit No. S-K1 and S-K2, respectively) are used to produce burnt line from a mixture of sales and time rask. The tribes have a batch food system, but operator continuously. Both time were manufactured by Selgium Lines Kiln. The A lines kiln was installed in 1942 and has a rated capacity of 277 tune of time to the post day. The S lime kiln was installed in 1966 and has a rated capacity of 277 tune of time make post day.

7.3. Control Description

Appresimately 10% of the smissions from each kilmane controlled by a baginouse (Unit Nor A MAID).

Existing are only directed to the beginness during him loading events. The remaining emissions (i.e., between leading events) from the A lime kilmane can through two gos washers (Unit Nor A KAA) and the A lime kilm contention system (Unit Nor A KAB), in acrics. The remaining emissions (i.e., between loading events) from the B lime kilm are cantifuregy the two gos masters (Unit No. A KAB), in acrics. After the personation systems, any excess 69 anisototics are vented to the atmospherer.

Emissiana i imite

7.3 Emissions Limits

Emissions of PM₁₀ and CO from the time kilns shall not exceed any corresponding emissions rate limits listed in Table 7.1.

[IDATA 68.04.04.403, EI4I04]

Table 7.1: EMISSIONS LIMITS FOR LIME KILNS

Source Description	PMIN		CO.	
Unit Number	lb/tyr	Tiyr	Janily .	J.
A lirne klin / S-K1	0.1	0.4	-90577	3000-3
B lime kiln / S-K2	0.1	0,5	705:0.	34856

7.4 Process Weight Rate Limit

The permittee shall not emit PM to the atmosphere from either of the time kilms in excess of the amounts shaup in the following equations, where E is the total rate of emissions from all emissions points from the source in pounds per hour and PM is the process weight in pounds per hour.

. H DM in loce than 17,000 lb/hr

F-0-DAE(DW)00

• - If ITW is equal to or greater than 17,000 lb/ln;

E-1.12(FV)0.27

HE AT A 50.04.04.104. UNION

Permittee:

The Amalgamated Sugar Co. LLC

Location:

Nampa, Idaho

Date Issued:

September 30, 2002

September 30, 2007

Operating Requirements

7.5 Throughput Limits

The maximum allowable lime rock throughput of each kiln shall be limited to 120% of the average throughput rates attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.11.4, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a throughput rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

10-AF A 00-01-01-400-01-01-10-1

7.5 Deglieuce Operating Requirements

The baghouse shall be operated and mointained at all times during him operation. The pressure drop agrees the baghouse shall be maintained within monufacturer or OSM monuel specifications.

[10.4.2.4.50.01.01.405.01,511.01

Monitoring and Recordkeeping Requirements

7.7 Lime Kiln Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 7.7.1 and 7.7.2 for each lime kiln. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- -7.7.1 The average daily time rock throughput in tons per hour.
- 7.7.2 The time rock throughput for each consecutive 12-month period in tons per year.

140-140-1-40-01-01-1-05-01-01-01-01-01

7.8 Baghouse Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across the baghouse. The pressure drop shall be recorded once per week when the time kilns are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

DATE AT SUPPLIES IN TUBER TO SUPPLIES

smittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

tation: Nampa, Idaho

Bate Expires - Coptember 20, 200

EMISSIONS UNIT – PROCESS SLAKERS (S-K4)

8.1 Process Description

The facility operator two time elektric (A and B) to produce milk of time from crushed takiam exide rocks and water. The stakers were manufactured by Ogden from Werks and are operated as botch systems. The stakers were installed in 1968. The total roted capacity of both stakers is 257 torus of calcium exide rock par day.

8.8 Gentral Description

Emissions from the stations are controlled by one sprey chamber-type surabbar (Onk No. A K1).

Parieniane Limite

8.3 Emissions Limits

Emissions of PM₁₀ from the process stakers shall not exceed any corresponding emissions rate limits listed in Table 8.1.

HDAPA 68.04.04.408, 5/4/94

Table 8.1: EMISSIONS LIMITS FOR PROCESS SLAKERS

Source Description /	PN	18
Unit Number	lb/hr	T/yr
A and 8 process stakers / S-K4	1,4	6.1

9.4 Propose Wolaht Pata Limit

The parmittee shall not emit PM to the strateghere from the process slokers in rescess of the amounts shown in the following equations, where E to the total rate of emissions from all emissions points from the source is gounds per hour and FW is the process weight in pounds per from.

— # FWL is less than 17,000 lb/ha

IFPIN is equal to or greater than 17,000 thin.

F = 4 4 2/DW/10.27

TIDAPA 58:01:01:702: 4/5/00

Operating Requirements

8.5 Throughout Limits

The maximum allowable calcium oxide rock throughput of each process staker shall be limited to 120% of the average throughput rates attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.12.2, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a throughput rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

UDADA 58.01.01.405.04; 5/1/941

Permittee: The Amalgamaled Sugar Co, LLC

Date Issued: Septe

September 30, 2002

Location:

Nampa, Idaho

Date Expires: Ceptember 90, 2007

stnomeriuped poiter on seddung Beguirements

The scrabber shall be operated and maintained at all times during staker operation. The scrabber mozzle header pressure shall be maintained within manufacturer or OSM manual specifications.

HDAPA 55.01.01.405.01. 5/1/54

Menitering and Reportikesping Requirements

8.7 Process Staker Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 8.7.1 and 8.7.2 for each process staker. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 8.7.1 The average daily calcium oxide rock throughput in tons per hour.
- 8.7.2 The calcium oxide rock throughput for each consecutive 12-month period in tons per year.

DAPA 68:04:01:408:61: 2/1/947

8.8 Scrubber Monitoring Requirements

The permittee shall instalt, operate, calibrate, and maintain measuring device(s) to continuously monitor the scrubber nozzle header pressure. The scrubber nozzle header pressure shall be recorded once per week when the process stakers are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

NAPA 58:54:64:405:61; 3/1/94

mittee: The Amaigamated Sugar Co. LLC

Date Issued:

September 30, 2002

rocation: Nampa, Idaho

Date Expires: Soptamber 39, 2007

EMISSIONS UNIT – DRYING GRANULATOR (S-W1)

9.4 Proces Description

The facility operates a drying granulator to dry wet sugar: The drying granulator was manufactured by TADSO and installed in 1687 as a replacement for an existing drying granulator. The rated capacity of the granulator is 16 toos of sugar per least.

9.2 ... Control Description

Emissions from the drying granulator are controlled by a dust box-type acrubber (thit No. A.W1). The sembler uses this juice as the first combbing media.

Emissions Limits

9.3 Emissions Limits

Emissions of PM₁₀ from the drying granulator shall not exceed any corresponding emissions rate limits listed in Table 9.1.

HDADA 58.01.04.108, E/1/04

Table 9.1: EMISSIONS LIMITS FOR DRYING GRANULATOR

Source Description /	PM	70
Unit Number	lib/hr	T/yr
Drying granulator / S-W1	1.1	5.0

9.4 - Process Maight Bate Limit

The permittee chall not emit PM to the atmosphere from the drying granulator in excess of the amounts chave in the fallowing equations, where C is the total rate of emissions from all emissions points from the severe in 16/hr and PM is the process weight in 15/hr.

K TAN is incent than II 250 lb.hs.

2-0.043(TW)

· W DIAL in pouls to or propler than 0.250 Haffi

E-140(DW)025

[]DADA SEALOL 704 4/6/0

Operating Requirements

9.5 Throughput Limits

The maximum allowable throughput of the drying granulator shall be limited to 120% of the average throughput rates attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.12.3, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such a throughput rate would cause emissions to exceed any emissions limit(s) set forth in this permit.

Permittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

Location:

Nampa, Idaho

Bute Expires - Deptember 30, 200

9-0 Combber Operating Requirements

The escubber shall be operated and maintained at all times during granulator operation. The bits of the souther field shall be maintained within manufacturer or GSM manual specifications. Brix is defined as passent colids in this juice.

ME AP - 10 04 04 405 04 5/4/04

Menitering and Recordkeeping Requirements

9.7 <u>Drying Granulator Monttoring Requirements</u>

The permittee shall monitor and record the information in Permit Conditions 9.7.1 and 9.7.2 for the drying granulator. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 9.7.1 The average daily throughput in tons per hour.
- 9.7.2 The throughput for each consecutive 12-month period in tons per year.

10.45.4.46.04.64.40E.04.El4i04

9.8 Scrubber Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the brix of the scrubber fluid. The brix shall be recorded once per day white the drying granulator is in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

rmittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

cation:

Nampa, Idaho

Date Expired.

Gestember 00, 0007

10. EMISSIONS UNIT - NO. 1 AND NO. 2 COOLING GRANULATORS (S-W2, S-W3)

10.1 Process Description

The facility appretes the No. 1 and 2 seeling granulators (Unit No. 5 W2 and 5 W2, respectively) to cool bot sugar from the drying granulator. The No. 1 seeling granulator was manufactured by Herray and was installed in 1044. The No. 2 seeling granulator was manufactured by Great Western Sugar and was installed in 1091. Per the Tier II specifing permit application, the rated separaty of each granulator is 67.5 tons of sugar per hour.

10.2 Oswirol Description

Emissions from the No. 1 and 2 cooling granulators are controlled by one of two baghouses (Unit No. A.W.2. and A.W.2. respectively). Both baghouses were manufactured by DEC dust.

Emissions Limiter

10.3 Emissions Limits

Emissions of PM₁₀ from the cooling granulators shall not exceed any corresponding emissions rate limits listed in Table 10.1.

Table 18.1: EMISSIONS LIMITS FOR COOLING GRANULATORS

Source Description /		PN	PM ₁₆	
Unit Number		ib/hr	T/yr_	
No. 1 cooling granulator / S-W2		0.3	1.3	
No. 2 cooling granulator / S-W3	4 1 .	0.3	1.3	

40 - Danson Ministr Date Limit for Control to 4

The permittee shall not smit PM to the atmosphere from No. 1 sociling granulator in excess of the amounts share in the following equations, where E is the total rate of emissions from all emissions points from the source in pounds per hour and PM is the process meight in pounds per hour.

. If Did in loss than 17,000 lb/kg

E-0.043(TW)

. HI Was equal to or greater that T1,000 tulin.

F-4-424may 27

110-11-1-10-01-01-10-10-10-10-00

10.5 Proces Weight Rate I imit for Cooles No. 2



The permittee shall not ornit PM to the streephere from Ner 2-cooling granulator in execute of the emounts channels the following equations, where E is the total rate of emissions from all emissions points from the source in pounds per hour and PM is the precess weight in pounds per hour.

Permittee:

The Amalgamated Sugar Co. LLC

Location:

Nampa, Idaho

Date Issued:

September 30, 2002

Dele Expires.

Sevember 00, 2001

4 0.04E(1747)00

. # # Ply is agricles or greater than 0.750 lb/br

4 10/01/1/0.25

(15/47/A 00:04:04:701, -15/00)

Operating Requirements

10.6 Throughput Limits

The maximum allowable throughput of each cooling granulator shall be limited to 120% of the average throughput rate attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.13.1, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such throughput rates would cause emissions to exceed any emissions limit(s) set forth in this permit. The most recent Department-approved performance test conducted on the No. 1 cooling granulator shall be utilized to establish throughput limits for the No. 2 cooling granulator.

TIDAPA 68.04.04.408.04.6(4)043

19.7 Dechouse Operating Requirements

The baghauses shall be operated and maintained at all times during gramulator operation. The pressure drop across the baghauses shall be maintained within manufacturer or OSM manual specifications.

[15.42.4.30.01.31.430.01.314754]

Menitering and Decorate oping Poquirements

10.8 Cooling Granulator Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 10.8.1 and 10.8.2 for each cooling granulator. The records shall be maintained in accordance with Facility-wide Condition 2.18.

- 10.8.1 The average daily throughput in tons per hour.
- 10.8.2 The throughput for each consecutive 12-month period in tons per year.

10.9 Baghouse Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across each of the baghouses. The pressure drops shall be recorded once per week while the cooling granulators are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

HDAPA 38:01:01:403:01; 5116

mittee:

The Amalgamated Sugar Co. LLC

Nampa; Idaho

Date issued:

September 30, 2002

Date Expires. September 00, 2007

11. EMISSIONS UNIT – PROCESS NO. 2, SPECIALTIES, AND PACKAGING-LINE SUGAR HANDLING SYSTEMS (S-W4, S-W6, S-W7)

14.1 Process Description.

The emissions regulated in this castion of the permit are emitted from three sogar handing systems. The

Table 44.44 COURSE DESCRIPTIONS

5	aures VX	Land Hamilton	International Date
- Freedoment	t or & syste m	444	4000
Aportition		-C-4/6_	1005
Danimain	- ina aprilate	3-44-t-	1992

The process No. 2 sugar handling system consists of elevators; socials, baggers, relates, serson eletions, bagging stations, and exclain. The openialities sugar handling system consists of a palloticing belt and tate mechine. The packaging line sugar handling system consists of scrolls, baggers, and a teeding scate.

14.2 Control Decorption

Emissions from the presence No. 2, specialties, and packeging line sagar handling systems are controlled by one of three Miles Bulgaire backeyers (Unit No. 4 Why A WE. 4 Why respectively).

Emicoisno Limito

11.3 Emissions Limits

Emissions of PM₁₈ from the sugar handling systems shall not exceed any corresponding emissions rate limits listed in Table 11.2.

THE PARTY OF THE PARTY ENTROLL

Table 11.2: EMISSIONS LIMITS FOR SUGAR HANDLING SYSTEMS

Source Description /		PM ₁₀	
Unit Number	lb/hr	Tiye	
Process No. 2 system / S-W4	0.3	1.2	
Specialties system / 5-W6	0.1	0.6	
Packaging-line system / S-W7	0.2	0.9	

Permittee: The Amalgamated Sugar Co. LLC

Date Issued: Septemb

September 30, 2002

Location:

Nampa, Idaho

Data-Expirear----Duplambar 30, 2007

The Traces Weights have bight for No. 2 Traces and Specialities times

The permittee shall not craft PM to the emosphere from the No. 2 process of specialities the six excess of .

It is amount a should be following equations, where E is the total rate of emissions from all emissions from the sounds perhaps and PM is the process weight in pounds perhaps.

C. C. GAE PHANGE

. TIT'W is equal to or greater than 47,000 lists.

Francisco de la constanta de l

[IDAPA 38:01:01:702, 4|3/00]

14.5 Decease Weight Date Limit for Dechaning Line

The pormittee shall not emit DM to the atmosphere from the peckeging line in engage of the amounts shown to the following occusions, where E is the total rate of emissions from all emissions points from the enume in parade not have and DM is the process weight in pounds pechecy.

E-0.04E(EXAL)0.60

and the state of t

E-4.10(DM)0,25

[HDADA 58.04.04.704.4/BIQ0]

Operating Descripements.

11.6 Throughput Limits

The maximum allowable throughput of each sugar handling system shall be limited to 120% of the average throughput rates attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.13.2, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such throughput rates would cause emissions to exceed any emissions limit(s) set forth in this permit.

71.7 Deshause Operating Requirements

The beginness shall be operated and maintained at all times during the operation of the No. 2 process line, specialties line, or processing line. The processe drop across such beginness shall be maintained within manufacturer or CEM manual specifications:

HDAPA 58.01.01.495.01, 5/1/94]

mittee; cation: The Amalgamated Sugar Co. LLC

Nampa, Idaho

Date Issued:

September 30, 2002

Date Expires: September 89, 2007

Monitoring and Recordkeeping Requirements

11.8 Sugar Handling System Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 11.8.1 and 11.8.2 for each sugar handling system. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 11.8.1 The everage daily throughput in tons per hour.
- 11.8.2 The throughput for each consecutive 12-month period in tons per year.

PERFECTIVE COPERCY SECRETARIES

11,9 Baghouse Monitoring Requirements

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across each of the beginnings. The pressure drops shall be recorded once per week while the sugar handling systems are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

Dec - A 30.01.01.403.01.3/1/34

The Amalgamated Sugar Co. LLC Permittee:

Nampa, Idaho

Date Issued:

September 30, 2002

Ocatember 20, 2007 Date Expirest

EMISSIONS UNIT - LIME KILN BUILDING (S-K3) 12.

1.2.1 " Denziere Description

Location:

Emissions from the verts of the time kitr/bulking (buit No. 3-13) are created by one crusher and all code, lime rook, and catelism oxide handling processes within the building. Embasions from the time kiln building are based and the input of time reck to the thing (refer to Appendix 2 of the Tier II qualication). Por the Tier I Consisting named application, the maximum throughout is \$14 tops of lime make not devi-

Control Desembles

Emissions from the time with beilding are controlled by one Miles Palsaire baginess (Writ No. A. KS)

wiesiese Limite

12.3 Emissions Limits

Emissions of PM₁₀ from the time kilin building shall not exceed any corresponding emissions rate limits listed In Table 12.1.

Table 12.1: EMISSIONS LIMITS FOR LIME KILN BUILDING

Source Description /	PΝ	199
Unit Number	lb/hr	T/yr
Lime klin building / S-K3	0.8	3.5

Process Wolcht Pale Limit

The purplittee shall not smit PM to the atmosphere from the time kiln building his excess of the emounts Shown in the following agestions, where E is the total rate of emissions from all enjoying points from t source in sounds por housead PM is the process weight in pounds per hour.

H DAM in lock floor 17 000 lb doe.

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acual la or orenter than

E 4 45/19409.27

mittee:

The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

Location:

Nampa, Idaho

Note Empirem - Coptomber 30, 2007

Geratine Gesuirements

12.5 Throughput Limits

The maximum allowable throughput of lime rock to the kilns shall be limited to 120% of the average throughput rates attained during the most recent performance test conducted pursuant to Facility-wide Condition 2.13.3, for which Department approval has been granted, which demonstrated compliance with applicable pollutant emissions limit(s), unless such throughput rates would cause emissions to exceed any emissions limit(s) set forth in this permit.

MEANA 65,04,04,405,04, 514,104

12.6 Bodioupo Operatino Deguiromento

The lime talk building beginess shall be operated and maintained at all times during specular of the crusher or any coke, lime rock, and calcium oxide translating processes within the lime talk building. The processes the lime talk building baghouse shall be maintained within manufacturer or OSM processes the lime talk building baghouse shall be maintained within manufacturer or OSM.

"HDAPA 55,01.01.408.04, 5/4/0-4]

Manitarine and December Progressing Progressing

12.7 Lime Kiln Building Throughput Monitoring Requirements

The permittee shall monitor and record the information in Permit Conditions 12.7.1 and 12.7.2 for the lime kiln building. The records shall be maintained in accordance with Facility-wide Condition 2.16.

- 12.7.1 The average daily throughput of lime rock to the kilns in tons per hour.
- 12.7.2 The throughput of lime rock to the kilns for each consecutive 12-month period in tons per year.

*HDAPA-68-04-04-405-04-5/4/04

12.8 <u>Baghouse Monitoring Requirements</u>

The permittee shall install, operate, calibrate, and maintain measuring device(s) to continuously monitor the pressure drop across the lime kiln building baghouse. The pressure drop shall be recorded once per week while the crusher and/or any coke, lime rock-, or calcium oxide-handling processes are in operation. In the event the measuring device becomes inoperable, it shall be repaired or replaced as soon as practicable. The records shall be maintained in accordance with Facility-wide Condition 2.16.

[BAPA 53.04.04.405.04_R/10A]

Permittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

.ocation:

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Date Expires:

September 30, 2007

13. COMPLIANCE SCHEDULE

IDAPA 58.01.01.001 et. seq, the permittee shall implement the compliance schedule presented in Table 13.1. Permit Conditions 13.3-13.9 are necessary to ensure that emissions from the facility do not cause or significantly contribute to a violation of the NAAQS. Any changes in the equipment, control technology, or timeframes specified in this compliance schedule must be approved by the Department.

Table 13.1: COMPLIANCE SCHEDULE

Permit Conditions	Milestone	Deadline	Documentation/Reporting		
	Fagilius Duck Management	60 days often issuence of Tree	Permit Conditions 3-2, 2.3, 2.4		
reme	Man implementation	the peroling permit	Department metilication		
	Installation and operation of		Permit Conditions 6.7 and 6.9		
13.4	pellet mill cyclone baghouse	One year after issuance of	Facility-wide Conditions 2.11,1-2.11.3		
	Fixe gases from Riley botter merged into the B&W stack	Tier II operating permit	Department notification		
13.5	Install best cleaning system	Two years effer lesuance of Tier II operating permit	Submit FTC application for steam dryer Department notification		
18.6	Install transformer evaporatur	Three years after issuence of Tier II operating permit	Department notification		
13.7	Order and fabricate steam dryer	Four years after issuance of Tier It operating permit	Department notification		
	Installation and operation of		Department notification		
	steam dryer system		Facility-wide Condition 2.14		
13.8	Performance test requirements for South dryer	Five years after issuance of Tier it operating permit	Tier It operating permit application		
	Closure of the Center and North dryers		The il obotom's barrier appropries		

13.2. Upon issuance of the Tier II operating permit, emissions of PM₁₀ and CO from the South, Center, and North dryers and the No. 1, 2, 3, 4, and 5 pellet mills shall not exceed any corresponding emissions rate limits listed in the following table:

Table 13.2: EMISSIONS LIMITS FOR DRYERS AND PELLET MILLS

Source Description /	PI	PM ₁₀		ينفق	
Unit Number	lb/hr	Tiyr	linker.	حبنج	
South pulp dryer / S-D1	37,4	164.0	A4070-	حبيب	
Center pulp dryer / S-D2	37.4	164.0	4000	4444	
North pulp dryer / S-D3	28.4	124.4	571 D		
Pellet mill No. 1 / S-D4	1.8	7.8		•	
Pellet mill No. 2 / S-D5	2.7	11,8			
Pellet mill No. 3 / S-D6	2.7	11.8			
Pellet mill No. 4 / S-D7	2.7	11.8		•	
Pellet mill No. 5 / S-D8	1.8	7.8			

mittee: The Amalgamated Sugar Co. LLC

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September 30, 2002

cation: N

Nampa, Idaho

Bate Expires: Coptember 30, 2007

13.2.1 Upon completion of Permit Condition 13.4.1, emissions of PM₁₀ from the pellet mills shall comply with Permit Conditions 13.8.1 and 13.8.2, emissions of PM₁₀ and CO from the South dryer shall comply with Permit Condition 5.3.

HDAPA 50.04.01.403.03, 5/4/04

- 13.3 Within 60 days of the issuance of the Tier II operating permit, TASCO shall comply with the following permit
- 18.5.1 The provisions of Facility wide Sentillons 2.4.2.4 shall be folly implemented, including all required monitoring and respecting.
- 13.3.2 When the requirements of Permit Condition 13.3.1 have been fulfilled; the permittee shall notify the Department in writing. The permittee shall notify the Department in writing of any delay or failure to meet the requirements of Permit Condition 13.3.20 expediently as reasonably peculiate.

 (DADA 59.01.01.103.02, 5/4/01, IDAP A 50.01.01.405.01, 5/4/04)
- 13.4 Within one year of the issuance of the Tier II operating permit, TASCO shall comply with the following permit conditions;
- 13.4.1 The provisions of Permit Conditions 6.6 and 6.8 shall be fully implemented.
- 13.4.2 All flue gases from the Riley boiler shall be exhausted to the atmosphere through the B&W boiler stack (Unit No. P-B1/2) after passing through the existing baghouse (Unit No. A-B3).
- 13.4.3 When the requirements of Permit Conditions 13.4.1 and 13.4.2 have been fulfilled, the permittee shall notify the Department in writing. The notification provided with respect to Permit Condition 13.4.1 shall include all relevant technical specifications and data from the baghouse manufacturer. The notification provided with respect to Permit Condition 13.4.2 shall include a schematic diagram of the final exhaust system routing for the B&W No. 1, B&W No. 2, and Riley boilers. The permittee shall notify the Department in writing of any delay or failure to meet the requirements of Permit Condition 13.4 as expediently as reasonably possible.
- 13.5 Within two years of the issuence of the Tier II operating permit, TASCO shall comply was the following permit conditions:
- 43.5.1 in accordance with IDADA 58.01.04.201, the permittee shall submit a PTC application for the proposed steam diver system (intended to replace the Center and North dryons). The application shall include technical parameters, including, but not limited to operational requirements and reted expensity of the steam diver system, schematic diagrams of the steam dryon system, and all information needed to calculate and/or verify emissions made accessisted with the steam dryon system and all effected parts.
- 15.5.2 Upon Department issuance of a PTG or exemption determination for the PTC application required by Fermit Condition 13.5.1, the permittee shall install the best eleaning system required for operation of the steam dryer system.

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13:5.3 When the requirements of Permit Condition 13:5.2 have been fulfilled, the permittee shall notify the Department in writing. The permittee shall notify the Department in writing of any delay or failure to meet the requirements of Permit Condition 13.5 as expediently as reasonably possible.

AP 4-58-64-84-400-09, E(4)04, ID AP 4-58-04-04-405-04, 5/4/043

- Within three years of the issuance of the Tier II operating permit, TASCO shall comply with the following pennit conditions:
- 19.6.1 Upon Department issuance of a PTC or exemption determination for the PTC application required by Permit Condition 13.5.1, the permittee shall install the transformer evaporator and mill heaters required foroperation of the stoom dryer system.
- 13.6.2. When the requirements of Permit Condition 13.6.1 have been fulfilled, the permittes shall notify the Department in writing. The permittee shell notify the Department in writing of any delay or failure to most the -requirements of Permit Condition 13.5 as expediently as reasonably possible. HBAPA 50:01:01.400:02.5/4/04: IDADA 58:01:01.405:04.5/4/04]
- Within four years of the issuance of the Tier II operating permit, TASCO shall comply with the following 13.7 permit conditions:
- 13.7.1 Upon Department issuance of a PTC or exemption determination for the PTC application required by Permit Condition 13.5.1, the permittee shall order and fabricate the steam dryer system.
- 13.7.2 When the requirements of Permit Condition 13.7.1 have been fulfilled, the permittee shall notify the Department in writing. The permittee shall notify the Department in writing of any delay or failure to meet the requirements of Permit Condition 13.7 as expediently as reasonably possible. -NDAPA-58-01-01-108-00-5/1/01-19-4PA-50-

- 13.8 Within five years of the issuance of the Tier II operating permit, TASCO shall comply with the following: permit conditions:
- 13.8.1 Upon Department issuance of a PTC or examption determination for the PTC application required by Permit Condition 13,5.1, the permittee shall install and operate the steam dryer system.
- 13.8.2 The Center and North dryers shall permanently cease operation at the TASCO facility located in Nampa, ldaho.
- 13.8.3 When the requirements of Permit Conditions 13.8.1 and 13.8.2 have been fulfilled, the permittee shall notify the Department in writing. The permittee shall notify the Department in writing of any delay or falture to meet the requirements of Permit Conditions 13.8 as expediently as reasonably possible. [HEAP A 38.01:01:403:02, 371/34, ID AP A: 30:01:01:405:01, 5/1/94]
- complies shall submit a Easilibunide Tier II operating permit application within 60 days of fulfilling the progres of Permit Condition 13.9. The permit appliestion shall include, at a minimum, updated process descriptions, including all changes implements in essentiance with Fermit Conditions 10.0-10.0; updated information, blained by the performance testing requirements of this Tier II operating permit and an undertaid feetling wide modeling enclysis for all criteria polluterals. Thirty days prior to submission of the medaling analysis for Tier it operating permit application, the permittee shall submit a modeling pretocal

mittee:

The Amalgamated Sugar Co. LLC

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Date Issued:

September 30, 2002

Location: Nampa, Idaho

Buic Expired:

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13.10 In the event that this Tier II operating permit should expire before the Department issues a renewed Tier II operating permit or before the requirements of Permit Conditions 13.3-13.9 are met by the permittee, TASCO shall continue to comply with all the requirements contained in this Tier II operating permit until such time as the Department issues an updated Tier II operating permit for the facility.

13.11 Until such time that all of the compliance schedule permit conditions are completed, TASCO shall submit a progress report each calendar quarter to the Department stating when each of the milestones and compliance with each condition in the compliance schedule were or will be achieved, and an explanation of why any dates were not or will not be met and a detailed description of any preventative or corrective measures undertaken by the permittee.

1247 1-60-04-04-405, 5/4/04

48:40 - Issuance of the Pior II operating pormit with this schedule of complication what not relieve any owner of decretes of the responsibility to comply with all applicable lead, state, and federal mice and regulations.

[ROPE A 20:01-01-190, SHIP

Permittee: The Amalgamated Sugar Co. LLC

Location: Nampa, Idaho

Date Issued:

September 30, 2002

Pete Expirent September 30, 2007

14. SUMMARY OF EMISSIONS RATE LIMITS

Table 11.1 includes the emissions limits for which the facility must demonstrate constituence.

Table 44.4. CHMMARY OF ALLOWABLE EMISSIONS DATE LIMITS IN THE TIER II ODERATING REPAIR

Em	SSJUMA LJI	Ties nice - 11	OO, No.	ng wid	-Annuel ^b	(Tiyri)	, ',			
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Malan hallan I G. D.A.	410	-0.0-	·		010-	20.0				•
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(************************************]	Ì			·					
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Dellaterillate 4.1.C-D7										
California de Cons										
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B-ylay Granduter / OW1	-1454	****			_					
No. 1 continue provinciator 7 3-W2	0.3	173								ļ
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Specialities to willing system / S-W6	-	410	<u> </u>			<u> </u>				<u> </u>
Pooreging the handling or stell 1 S-W7	-	-6:0								<u> </u>
Min Lin building / S.K3		-				1	1 . "	T •		

¹ applications to the publish specific SDA submisses method, a Department oppreved characters; or an determined by the Department's applications as time time methods used in this permit analysis.

· habelan annalumbbent.

be determined by maltiplying the calculate allemates (if school is not promoted pound per coor emissions rate by the allemates now a per year

nittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

cation: Nampa idaho

Date Evaluation

30plember 20, 2007

TE ENCLUTY WIDE EMISSIONS INVENTORY

Table 15.1 includes all potential emissions from all sources included in the Tier II application and Northern dia Count, PM₁₀ SIP Plan Emissions Inventory. The emissions inventory table is provided for informational surposes only and reflects emissions rates after the compliance schedule is in place.

Table 15.1: EMISSIONS INVENTORY BASED ON POTENTIAL TO EMIT

Pote	nti a l Emis	TAS sions – l	CO, Nam lourly (to	na hr), and		[lyr)				
	PI	Mac	N	5.	Ċ	9	V	жÇ	5	Θ ₂ -
Source Description / Unit Number	ib/hr	Тлуг	lb/hr	Tlyr	lb/hr	Tiyr	lb/hr	Tiyr	lb/hr	T/yr
B&W No. 1 boller / S-B1	28.4	124.2	104.6	458.1	3.2	13.6	0.4	1.9	220.5	965.8
B&W No."2 boiler / S-B2	28.4	124.2	:04.6	458.1	3.2	13.8	0.4	1.9	220.5	965.8
Filley boiler / S-B3	81.3	355.9	390.0	1708.2	30.0	131.4	1.3	5,6	632,5	2770.
Union boiler / S-B4	1.5	6,8	7.2	31.5	6	26.3	0.4	1.7	0.0	0,2
South pulp dryer / S-D1	8.7	82.0	38.0	166,5	28.8	555,2	4.2	18.5	13.6	59.7
Center pulp dryer / S-D2	0.5	0.0			0.0	0.0	4.2	18.5		
North pulp dryer / S-D3	0.0	0,0			0.0	0.0	1.5	7,1	·	
Pellet mit No. 1 / S-D4	0.1	0.5							•	
Pellet mill No. 2 / S-D5	0,2	0.								
Pellet mill No. 3 / S-D6	0.2	0.7								
Pellet mill No. 4 / S-D7	. 5.2	0.7	V							
Pellet mill No. 5 / S-D8	0.1	0.5					7		ļ	
A Lime kiln / S-K1	0_1	0.4	1.4	6.1	685.1	3000.7	0.7	3.0	3.5	15,
B Lime kin / S-K2	0.1	0,6	1.6	7.1	795.8	3485.6	0.8	3.5	4.0	17.
A and B process stakers / 5-K4	1.4	6.1								
Drying granulator / S-W1	1.1	5.0								
No. 1 cooling granulator / S-W2	0.3	1.3					•]:		
No. 2 cooling granulator / S-W3		1.3		T.: .,				,, ,		
Process No. 2 handling system / S-W4	0.3	1.2							1	
Specialties handling system / S-W6	0.1	0.6					1	•		
Packaging line handling system / S-W	0.2	0.9							-	
Lime kiln building / S-K3	0.8	3.5		·			1	1		
A-side sulfur atove / S-O2	٠	The state of the s						1	2.1	9.
B-side sulfur stove / S-O3						1			2.1	9.
Main mill / S-O1	T	Ī	1	T			11.2	48.9	1	1
Fugitives / F-D9, F-D19, F-O4, F-O5O6a, F-O5O6b F-O5O6c, F-O7, F-O8, F-O9, F-O1	n/a³	35.0								
TOTAL		717.0		2835.6		7226.8		110.6		48

as determined by a pollutari-specific EPA reference method, a Department-approved alternativa, or as determined by the Department's initiations estimation methods used in this permit analysis.

the liberty emissions rates of these sources vary by season; refer to Tier II application.

Permittee: The

The Amalgamated Sugar Co. LLC

Location:

Nampa, Idaho

Date Issued:

September 30, 2002

Date Evelynes

Captornber 60, 2007

16. OTHER SOURCES

"Table 16.1 below identifies other air pollution-emitting sources (included in the Tier II application and Northern Ada County PM₁₀ StP Plan Emissions Inventory) at the facility that do not require specific permit conditions to demonstrate compliance with applicable air quality standards.

Table 16.1: OTHER AIR POLLUTION SOURCES AT THE FACILITY

	Seurce Description		
Main mili / S-O1			•
A-side sulfur stove / 5-02		<u>.</u>	
B-side sulfur stove / S-03			

nittee: The Amalgamated Sugar Co. LLC

Date Issued:

September 30, 2002

cocation: Nampa, Idaho

Data Empirear - Cop

Captember 30, 2007

17. IRR II PERMIT GENERAL PROVISIONS

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. 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 and the Rules, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.

- 2. The permittee shall at all times (except as provided in the Rules) maintain and operate in good working order all treatment of control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records
 are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and
 conditions of this permit, to inspect any granitoring methods required in this permit, and to require stack
 emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA
 procedures when deemed appropriate by the Director
- 4. Except for data determined to be confidential under Section 9-342A Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.
- Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable
 federal, state, or local law or regulation, except as specifically provided herein.
- 6. In the event of any change in control of ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
- 7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of all pollutarits emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- 9. 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.

			Page 1 of
STATE OF IDAHO AIR POLLUTION OPERATING PERMIT	PERMIT NUMBER 7 7 7 - 0 0 1 8 2	·	
GENERAL INFORMATION	AQCR CLASS	2 7 3	
· · · · · · · · · · · · · · · · · · ·	ZONE UTM COORDII	NATE (km) 5 3 4 7 2	
l. PERMITTER Lake Pre-Mix Concrete		1, 11 1, 12 1, 12 1, 12 1, 13 1, 14 1, 14	
2. PROJECT Johnson 630 Portable Concrete 6	Batch Plant	· · · · · · · · · · · · · · · · · · ·	·.
3. ADDRESS P.O. Box 1356	TELEPHONE # (208) 263-5000	COUNTY	· · · · · · · · · · · · · · · · · · ·
4. CITY Sandpoint	STATE Idaho	ZIF CODE 83864	
5. PERSON TO CONTACT Steve Lafrenz	TITLE President		
6. EXACT PLANT LOCATION Portable, excluding the downtow	m area of Sandpoint, Idaho		
7. GENERAL NATURE OF BUSINESS & KI Concrete Batch Plant	NDS OF PRODUCTS		
8. GENERAL CONDITIONS		· · · · · · · · · · · · · · · · · · ·	41:
This permit is issued according to be operated by this permit.	and pertains only to emission ate of Idaho and to the sou	ns of air contam	inants

THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF OPERATION AND DESIGN INFORMATION PRESENTED MADE AVAILABLE TO THE DEPARTMENT. CHANGES IN DESIGN, OPERATION, OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MUST BE APPROVED IN ADVANCE BY THE DEPARTMENT.

ASSISTANT ADMINISTRATOR . DIVISION OF ENVIRONMENTAL QUALITY

ISSUED MAY

DATE

DATE

AIR POLLUTION OPERATING PERMIT

Page 2 of .

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ez W O. 777 - 001182

PERMITTEE AND LOCATION

Lake Pre-Mix Concrete Portable Concrete Batch Plant Sandpoint, Idaho The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Johnson 630 Portable Concrete Batch Plant

SHEWIT NOISSIME

1.1 Bachouse Stack Emission Limits

1daho)) from the cement storage silo baghouse exhaust stack shall not exceed 0.034 pounds per hour (1b/hr) or 0.03 tons per year (T/yr). of Atr Pollution {(IDAPA 16-01.01.006.72)(Rules for the Cantrol Emissions

OPERATING REQUIREMENTS

2.1 Maximum Throughout Limits

2.1.1 Winter Operations

The maximum daily concrete throughput during the months of November March shall not exceed two hundred seventy cubic yards per day \$270 cy

2.1.2 Summer Operations

chrodigh concrete throughput during the months of April exceed four hundred cubic yards per day (400 ey/day) The maximum daily Octoběr shall not e

ISSUED: MAY 17, 19

98:3(1) ... Specas (*) a kep ro i Lacepre, FMT

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

Lake Pre-Mix Concrete Portable Concrete Batch Plant Sandpoint, Idaho PERMIT NUMBER

777 - 00182

The Permittee is hereby allowed to operate the aquipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Johnson 630 Portable Concrete Batch Plant

MONITORING REQUIREMENTS

3.1 Concrete Throughput Monitoring

3.1.1 Winter Operations

The Parmittee shall monitor and record the concrete throughput rate once per day to demonstrate compliance with section 2 11 lof this permit. The amount shall be recorded as cubic yards per day (cy/day) in a log kept at the facility for the most recent two (2) year period. The log shall be made available to Department representatives upon request.

ISSUED: MAY 17, 1996

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

PERMIT NUMBER

777 - 00

Lake Pre-Mix Concrete Portable Concrete Batch Plant Sandpoint, Idaho

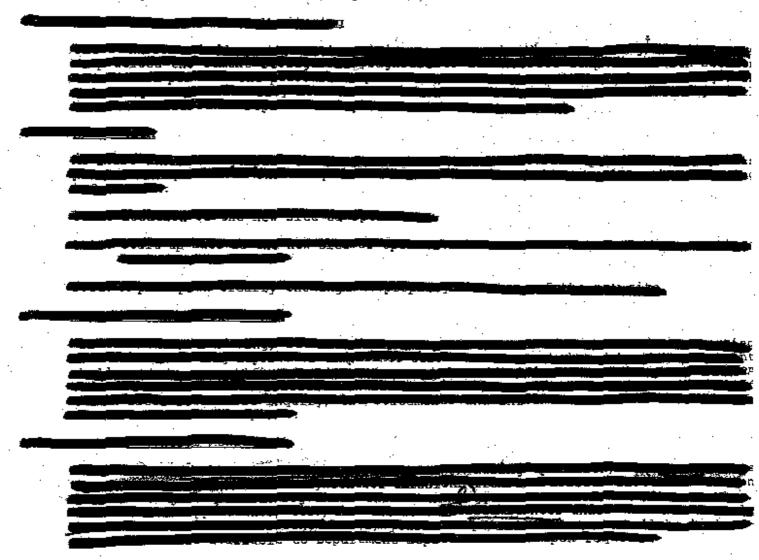
The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

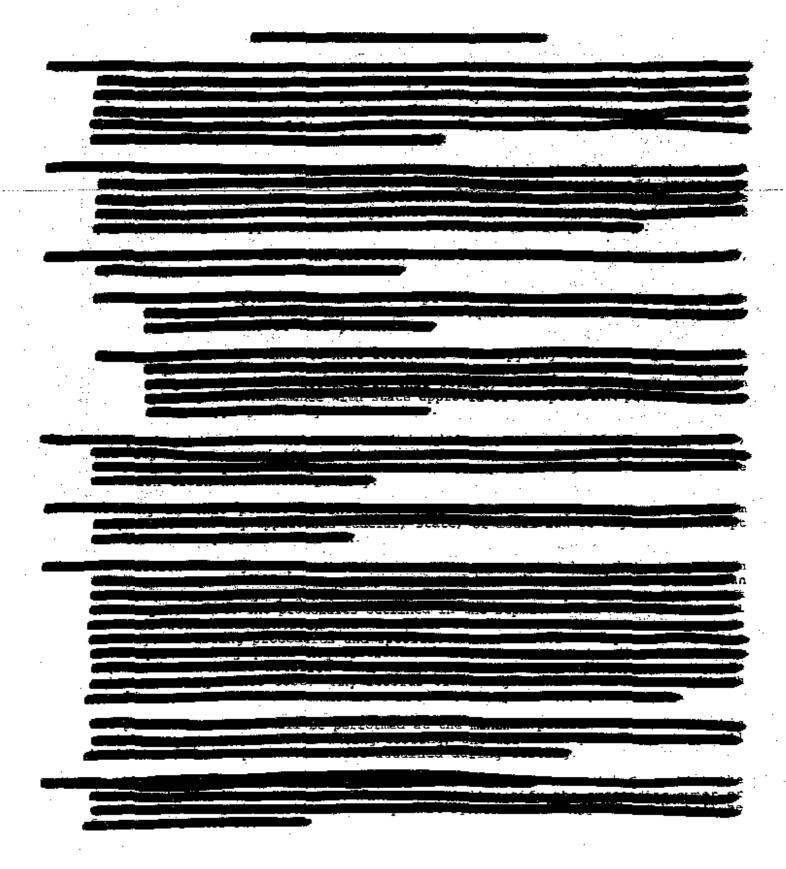
Johnson 630 Portable Concrete Batch Plant

3.1.2 Summer Operations

The Permittee shall monitor and record the concrete throughput fate once peday to demonstrate compliance with Section 2.1.2 of this permit. The amount shall be recorded as cubic yards per day (cy/day) in a log kept at the facilit for the most recent two: (2) year period. The log shall be made available to Department representatives upon request.



ISSUED: MAY 17, 1996



ISSUED: MAY 17, 1996

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ISSUED: MAY 17, 1996

BR:pro...\petmut\lakepce\lakepre.s

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-		PE	RMIT NUMBER	(,	.:	
		0	17-00048			
	STATE OF IDAHO	LL	CR CLASS	SIC		
			''''	[]	$\overline{}$	
	AIR POLLUTION OPERATING PERMIT	0 6	5 3 A 2	3 2	7. 3	. :
	or granning i zinimi	zo	NE UTM COORDINA	ATE (km)		
	GENERAL INFORMATION	1 1	5 3 2 6,	5 3 4	8 1	
1.	PERMITTEE					
1.	Interstate Concrete and Asph	alt				
2.	PROJECT		-			
4 ,	Asphalt Batch Plant and Con	crete Ba	atch Plant	ALCOHOL SERVICE	• • • •	
3.	MAILING ADDRESS		TELEPHONE #	coù	INTY	
٠.	P.O. Box 1113		(208) 263-5615	Bonr		
4.	CITY		STATE	ZIP	CODE	٠.
	Sandooint		Idaho	8386		
5.	PERSON TO CONTACT		TITLE			
<u> </u>	Larry Peak	<u> </u>	Sandpoint Facility Manager		· 	
6.	EXACT PLANT LOCATION					
, , ·	1/4 mile west of Bover Road	<u>an north</u>	side of Baldy Road		· · ·	
7.	GENERAL NATURE OF BU		·		·	
···	Paying Contractor producing	various	mixes of asphalt, concrete, an	<u>d various size</u>	es of aggregate.	<u>· · · · · · · · · · · · · · · · · · · </u>
8.	PERMIT AUTHORITY	, .				
					•	·.
	16.01.01.400 and pertains on	ly to em	e Rules for the Control of Ai issions of air contaminants wh lly allowed to be operated by the	īch are regul	n Idaho, Sectio ated by the Stat	e n .
-			ON THE BASIS OF SECION	NEODMATIC		
	IN THE APPLICATION AND		ON THE BASIS OF DESIGN I ON OF ENVIRONMENTAL QU			
	ANALYSIS OF THE SUPPLIE	DINFOR	RMATION, CHANGES IN DES	IGN OR ÉQI	JIPMENT, THA	Т
			IE NATURE OR AMOUNT (ARE SUBJECT TO DEQ REVI			
			LES FOR THE CONTROL OF			
					٠ .	
	· · · · · · · · · · · · · · · · · · ·		•			
	<u> </u>		···	· 		
	1 47 6	•	· ISSUED I	DATE Augu	ıst 2, 1999	<u> </u>
Ł	Civille D. Green					

G:VAHWYLUNDAHLVCA-MOD2.PMT

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho PERMIT NUMBER

0 1 7 - 0 0 0 4 8

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

ISSUED DATE:

<u> August 2, 1999</u>

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho PERMIT NUMBER.

0 1 7 - 0

The Permittee is hereby allowed to operate the equipment described herein subject to the emission ilmits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

EMISSION LIMITS

2.2 Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM₁₀) shall not exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A.

OPERATING REQUIREMENTS

- 3.1 <u>Maximum Throughput</u>.
 - 3.1.1 The maximum hourly throughput shall be limited to the ton per hour (T/hr), ton per day (T/day), and ton per year (T/yr) limitations in Appendix 8.
- TESTING AND MONITORING REQUIREMENTS
 - 4.1 Throughput Log

The following information shall be recorded and maintained on site for the most recent two (2) year period.

- 4.1.1 Amount (tons per hour and tons per day) of hot mix asphalt produced by the facility.
- 4.1.2 Amount (standard cubic feet per day) of natural gas burned in the Barber Greene drum dryer.
- 4.2 Performance Tests
 - 4.2.1 The Permittee shall conduct a performance test at a frequency of no less than once every year to demonstrate compliance with

The hourly PM₁₀ emission limit in Appendix A. The permittee may show compliance with the hourly emission limit PM₁₀ by conducting a performance test to measure Total Suspended Particulate (TSP) emissions from the Drum Dryer baghouse using EPA Reference Method 5 and 202 back half catch analysis. The resulting pound per hour (lti/hr) emission rate demonstrated by the source test shall be

ISSUED DATE:

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho PERMIT NUMBER .

ı	_				_	_		_	_
	Ò	1	7	-	0	0	0	4	8

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

multiplied by a factor of 0.40 to establish the hourly PM_{10} emission rate. The Permittee shall have the option of performing a Method 201 or 201A performance test with Method 202 Analysis on the drum dryer baghouse stack.

- 4.2.2 During performance testing, the following data shall be recorded:
 - 4.2.2.1 Process weight rate (tons of asphalt produced per hour).
 - 4.2.2.2 Burner fuel flow rate (i.e., cubic feet per hour).
 - 4.2.2.3 Change in pressure drop across the baghouse.

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho PERMIT NUMBER.

0	1	7	-	٥	O	0	4

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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

46

Asphalt Satch Plant and Concrete Batch Plant

ISSUED DATE:

Augustalia (999)

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho

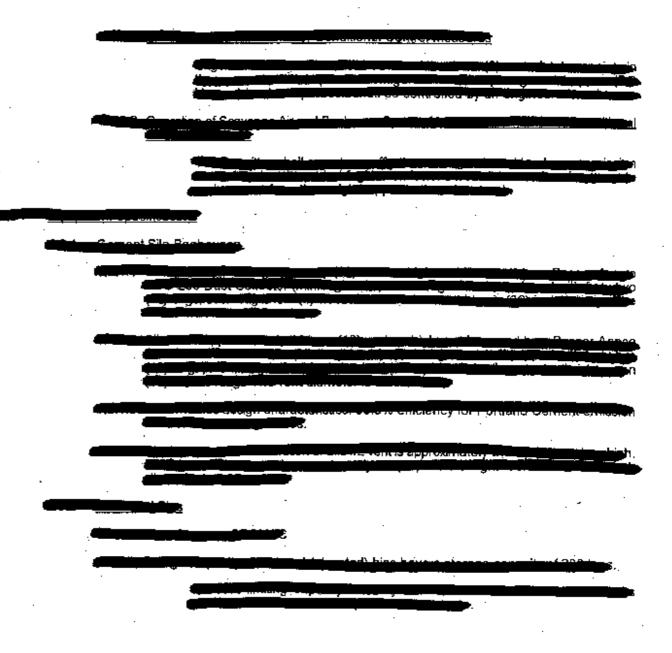
PERMIT NUMBER

0 1 7 - 0 0 0 4 8

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant



ISSUED DATE:

<u>August 2, 1999</u>

Interstate Concrete and Asphalt Tier It Operating Permit Sandpoint, Idaho PERMIT NUMBER .

0 1 7 - 0 0 0 4 B

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

2. EMISSION LIMITS

2.1 Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers (PM_{10}) emissions shall not exceed the pound per hour (lb/hr) and ton per year (T/yr) values listed in Appendix A.

OPERATING REQUIREMENTS:

- 3.1 Maximum Throughout
 - 3.1,1 Process throughput of materials for the operation of the concrete batch plant shall be limited to quantities specified in Appendix B.
- MONITORING REQUIREMENTS:
 - \$.1 / Throughput Log

The following information shall be recorded weekly and maintained on site for the most recent two (2) year period.

- 4.1.1 Amount in cubic yards per day (yd³/day) of concrete hauled off-site from the facility.
- 4.1.2 Amount in tons per day (T/day) of raw aggregate hauled out of the facility.

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ISSUED DATE:

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho

· PERMIT NUMBER:

0 1 7 - 0 0 0 4 8

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

ISSUED DATE:

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho

PERMIT NUMBER.

ì			_					
	٥١	1	7	 Ð	O	0	4	а

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

15

Asphalt Batch Plant and Concrete Batch Plant

ISSUED DATE:

Interstate Concrete and Asphalt Tier II Operating Permit Sandpoint, Idaho

PERMIT NUMBER.

0 1 7 - 0 0 0 4 8

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Asphalt Batch Plant and Concrete Batch Plant

APPENDIX A

Interstate Concrete & Asphalt

Emission Limits" - Hourly (15/hr) and Annual^b (1/yr)

SOURCE			PM10° (IIshki) after 771/94	P.M.10* (T/yr) after 7 H.196*			#	111
ASPHALT PLANT	l	1	(23)	0.81	1	1	ŧ	ŧ
Drum Dryer								
Vehicle Fugitives (Paved and Unpaved)	1		0,71	0:30				
Process Fugitives		1	0.26	0.58				
CONCRETE PLANT	1	ı	0,08	0.04			•	
Cement Silo Vents	i							
Process Fugitives			0.63	1.1			-	•
Vehicle Fugitives (Paved and Unpaved)	•	1	0,89	0.34				

- As determined by a pollutant specific U.S. EPA reference method, or Department approved atternative, or as determined by the Department's emission estimation methods used in this permit analysis. w
- As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.
- : Includes condensables.
- Or such earlier date as all required Conditional Control Measures have been completed.
- Includes point source emissions for the two (2) minibaghouses placed on the cement weigh hoppers and the scavenge fan/baghouse system on the mixer loading operation installed as Conditional Control Measures.

ISSUED DATE: August 2, 1939
Tiths G:\AHWUUNDAHLUCA-MOD2.PMT

APPENDIX B

Interstate Concrete and Asphalt

Maximum Throughput Values at Fugitive Emission Sources

Source	Material Handled			Hourly (T/fjr) affer 7/1/98"	Daily (Tiday) after 7/1/96*	Annual (Tlyr) after 7/1/96*	
1. Asphalt Plant	Asphalt	-		2002	2,400	140,000	
2. Concrete Batch Plant Units of yd3/time period	Concrete			75	1,400	70,000	<u>. </u>
3. Retail Aggregate Sales- Concrete Plant (Truck Load by Front- End Loader and PG Hopper)	Aggragate				1,700	55,000	

- Or such earlier date as all required Conditional Control Measures have been completed.
- Operation at this production rate shall require a successful performance test against the PM emission limit, as required in 4.2 of the Asphalt Plant section of this permit.

ISSUED DATE; AUGUST 1999
Tiths GYAHWALUNDAHLYCA-MOD2.PMT

ISSUED DATE:

FACILITY PERMIT NO.]	13-	.1	4	2	0-	-0	6	2
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Page 1 of 8

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

	an Lumb					
Permitte	ee, inc	luding	affiliat	ces,	if	any
Catald	0,			•		
Located	at					
Idaho	83810					

is hereby granted permission to operate the Air Pollution Source(s) and Control Equipment specified herein provided the emission limitations, monitoring requirements and other conditions set forth in the Source Permit(s) are complied with.

alidation:

Issued <u>7/16/79</u>
Expiration <u>7/15/84</u>

Miller Hillen

PART I

				SO	JRCE PERMIT	NO.	13-1420-062		
							Page	2 (of 8
	Whitema	n Lumber	Company		located ne	ear	aldo,		
	is hereby	granted p	permission	to ope	erate the f	ollow	ing ai:	r poll	Lution
	source or	control e	equipment:	Sawmi	ll with ass	ociat	ed wig	wam	
	burner	and mill	cyclones.						···
									· .
	*							·	
	·	Market	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1						
		· · · · · · · · · · · · · · · · · · ·		· .			·		
,		•							
	Restrictio								
	Emission Point		Emission acteristic	:	Emission Limitatio			nitori 11reme	
ligwa	am Burner	Visible	Emissions	for any	Opacity Ex 3 Minutes 60 minute od.* Manua	in	Contin	uous or and	Temper Recor
ус1с	ones	Visible	Emissions	for any	Opacity Ex 3 Minutes 60 Minute od.* Manua	in	0bserv	ation	liance
Ехс		; Novembe	Period Of: r 1 - May y 1 - Nove	1					
ondi	tions:								
ubmi	t report o	f burner	temperatur	e on a	quarterly	basis			3
		,			•				
	Validation	(if diff	erent from	Facil	ity Permit)			
	Issue	d							ing open mengament
	- Fynir	ation 1	/1 /83		Carried Street	2 1	1		

		SOURCE PERMIT NO. 1	13-1420-062
			Page 3 of 8
Whiteman	Turken Communication	near	With the state of
Wniteman	Lumber Company	located <u>Cat</u>	aldo, Idaho
is hereby	granted permission	to operate the followi	ng air pollution
source or	control equipment:	Sawmill with associate	ed wigwam burner
and cyclor	nes.		
	· · · · · · · · · · · · · · · · · · ·		
			<u> </u>
Restriction	ons:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Wigwam Burner	Visible Emissions		Continuous Temper. Monitor and Record
Wigwam Burner	Design Features	 (a) Air Tight Shell (b) Forced Underfire Air (c) Forced Overfire Air (d) Top Damper - Manual 	Certification Of I Accomplishment
Cyclones	Visible Emissions		Annual Compliance Observation
One Hour;	Start-up Period Of: Novmeber 1 - May 1 Our; May 1 - November 1		
Conditions:	· · · · · · · · · · · · · · · · · · ·		
Submit reports quarterly basis	of burner temperature, a	nd repair and maintenance s	schedule on a
Validation	n (if different from	Facility Permit)	
Effecti	ve 1/1/83	<u> </u>	
Expir	ration	Chal.	11-1111

PART I

	SOURCE PERMIT NO	13-1420-062
	P	age <u>4</u> of <u>8</u>
Whiteman Lumber Company	near located Cat	aldo, Idaho
is hereby granted permission to	•	
		ng all pollucion
source or control equipment:	A log yard.	
		•
	·	
Restrictions:		
		•
	mileste.	Mari Maria Sarah
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Plant Roads, Loading Fugitive Dust and Unloading Areas,		
Storage Areas	ual Sec. 1-1251 Of the Rules and Regu-	Of Measures Wh Have Been
	lations For the Control of Air Pol-	Implemented.
	lution in Idaho	
	Manual. Include All Reasonable	
	Precautions To Preve	
	Particulate Matter F Becoming Airborne As	
Conditions:	Described In Attache	
See Appendix A	Appendix A.	
		•
Validation (if different from F	acility Permit)	
Validation (if different from F	acility Permit)	

Issued _____

Expiration

Page 5 of 8

APPENDIX A

- 1) All haul roads, access roads and traffic patterns shall be paved, oiled, or watered at least twice daily during the operating season unless wet because of natural precipitation, in order to control fugitive dust.
- 2) All paved areas on the plant grounds shall be maintained in a dust-free condition by wet sweeping or equivalent methods. The removal of dust shall be accomplished at least weekly during the operating season and more frequently if required because of excessive dust accumulation and dry weather.
- 3) All permittee-owned or operated open-bodied trucks transporting fugitive dust generating materials to or from the plant location shall be covered at all times while in motion on public roads.

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

Page 7 of

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permitted from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

- 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.
- Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

FACILITY PERMIT NO. 13-1140-0001-00

Page 1 of 19

STATE OF IDANO

DEPARTMENT OF REAL AND WELFARS
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

POTLATCH CORPORATION - PULP & PAPER UNIT Permittee, including affiliates, if any

P.O. BOX 1016 Located at

LEWISTON, IDAHO

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

|Validation:

Issued July 5, 1979

Expiration January 1, 1984

Miller of Milling

SOURCE PERMIT NO. 13-1140-0001-04

	•		
	H CORPORATION PAPER UNIT	located at LEWI	age 2 of 19 STON, IDAHO
is hereby	granted permission to		
source or	control equipment:	THEIR FOSSIL FIRED PO	OWER BOILERS NO.
1, 2 AND	3 WITH ASSOCIATED BRE	ECHINGS AND STACKS.	V
	rating to a response to the section of the section		erente de la companya de la company
	ra <u>ng panas na sa Propositifiquence una</u> ca <u>mantare matérie e</u> la communité de qua foi de la Milleta ne l'Alleta de l'Alleta	Additional has all the second	
			, page 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947
			and for the second seco
Restriction	ons:		•
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
STACK	PARTICULATES	0.050 GR/DSCF, CORRECTED TO 8% 0 ₂ ($^{\circ}$ 0.1 LB/10 ⁶ BTU) RULE 1-1320	LOG OF AMOUNT AND
	VISIBLE EMISSION	S <20% OPACITY EX- CEPT FOR 3 MIN- UTES IN ANY 60 MINUTE PERIOD RULE 1-1202	
Conditions	5:		

Validation (if different from Facility Permit)

Issued

Expiration ____

Authorizing Signature

A STA مثرانين

		SOURCE PERMIT NO. 13-1140-0001			
	POTLATCH CORPORATION PULP & PAPER UNIT	Page 3 of 1s	9		
*	is hereby granted permission	to operate the following air pollution	**********		
		THEIR NO. 1 KRAFT PROCESS RECOVERY			
	· · · · · · · · · · · · · · · · · · ·	CT CONTACT EVAPORATOR AND ELECTROSTATIC			
		1 CONTACT EVAPORATOR AND ELECTROSTATIC			
	PRECIPITATORS (ESP)				
	Restrictions:				
	Emission Emission Point Characteristic ESP PARTICULATES	0.080 GR/DSCF COR- MONTHLY SOURCE RECTED TO 8% O ₂ TEST USING IDAM (~2.0 LB/ADT) (MAX. PROCEDURES DAILY AVERAGE)			
	VIS. EMISSIONS TRS	RULE 1-1902 20% OPACITY EXCEPT CONTINUOUS MON- FOR 3 MINUTES IN TORING AND RE- ANY 60 MIN. PER. CORDING 15 PPM (MAX. DAILY CONTINUOUS MON- AVG) RULE 1-1902 ITORING AND RE-	-		
1)	Conditions: SUBMIT A QUARTERLY REPORT OF TESTIN LIMITS SPECIFIED IN THIS PERMIT SUM FOR EACH OCCURRENCE.	CORDING			
2)	CLUDING METHODS TO ASCERTAIN WHICH	NITORING AND MAINTENANCE PROCEDURES, IN ELECTRODES ARE IN PLACE AND MAINTAINING ORT OF MAINTENANCE SHALL BE SUBMITTED	I —		

Validation (if different from Facility Permit)

Expiration August 1, 1979

Issued

		SOURCE PERMIT NO.	13-1140-0001
	H CORPORATION PAPER UNIT	Pa located at LEW	age 4 of 19
		· · · · · · · · · · · · · · · · · · ·	
is hereby gra		operate the following	
source or con	trol equipment: T	HEIR NO. 1 KRAFT PROC	CESS RECOVERY
FURNACE WITH	'ASSOCIATED DIRECT	CONTACT EVAPORATOR AN	ND ELECTROSTATIC
PRECIPITATORS	G (ESP)		
	populating providigite committee transporter and special committee to the Management of the Section Committee to the Sect		
	tida kajangangangan kandala taon didakan sa ing panganangan panganangan pananangan pananangan pananangan panan	and the second s	
	the control of the co	and the state of the	
Restrictions:			
		•	
Emission Point ESP	Emission Characteristic PARTICULATES	Emission Limitations 0.040 GR/DSCF COR- RECTED TO 8% 02 (\cdot 2.0 LB/ADT) (MAX. DAILY AVERAGE)	Monitoring Requirements MONTHLY SOURCE TEST USING IDAHO PROCEDURES
· ·	VISIBLE EMISSIONS	RULE 1-1902 5 20% OPACITY EXCEPT FOR 3 MINUTES IN ANY 60 MIN. PER. RULE 1-1902	
Conditions:	TRS	15 PPM (MAX. DAILY AVERAGE) RULE 1-1902	
	. פורס מיי מיי מיי מיי מיי מיי מיי מיי מיי מי		HPO DVODBETNO
FIED IN THIS	PERMIT SUMMARIZED W	RESULTS WITH ALL VAL	UBS EXCEEDING LIM

- 1) SUBM SPEC EACH OCCURRENCE.
- 2) SUBMIT A COPY OF THE ESP ROUTINE MONITORING AND MAINTENANCE PROCEDURES, IN CLUDING METHODS TO ASCERTAIN WHICH ELECTRODES ARE IN PLACE AND MAINTAINING OPTIMUM SPARKING RATE. SUMMARY REPORT OF MAINTENANCE SHALL BE SUBMITTED SEMI-ANNUALLY

Validation (if different from Facility Permit)

Effective	Date_	August	1,	1979
Εx	- pirati	on		
	L			

Miller of Tellin

		DOUGE THATT HO.	12-1140-0001-01.
POTLATCH CO	RPORATION	P	age <u>5</u> of <u>19</u>
PULP AND PA	PER UNIT	located at LEW	ISTON, IDAHO
is hereby gran	nted permission to	o operate the followi	ng air pollution
source or cont	trol equipment: TI	HEIR NO: 2 KRAFT PROC	ESS RECOVERY
FURNACE WITH	ASSOCIATED DIRECT	CONTACT EVAPORATOR	AND ELECTROSTATIC
PRECIPITATOR	(ESP).		•
Restrictions:			
		•	
Emission Point ESP	Emission Characteristic PARTICULATES	Emission Limitations 0.070 GR/DSCF CCR- RECTED TO 8% 02 (~3.0 LB/ADT)(MAX. DAILY AVG)RULE 1-190	Requirements MONTHLY SOURCE TEST IDAHO PRO- CEDURES
	VIS. EMISSIONS	40% OPACITY EX- CEPT FOR 3 MIN. IN ANY 60 MIN. PER. RULE 1-1902	CONTINUOUS MON-
	TRS	17.5 PPM (MAX. DAILY AVG)	ITORING AND RE- CORDING

Conditions:

- 1) SUBMIT A QUARTERLY REPORT OF TESTING RESULTS WITH ALL VALUES EXCEEDING LIM SPECIFIED IN THIS PERMIT SUMMARIZED WITH CORRECTIVE PROCEDURES TAKEN FOR EACH OCCURRENCE.
- 2) SUBMIT A COPY OF THE ESP ROUTINE MONITORING AND MAINTENANCE PROCEDURES, IN CLUDING METHODS TO ASCERTAIN WHICH ELECTRODES ARE IN PLACE AND MAINTAINING AN OPTIMUM SPARKING RATE FOR ALL SECTIONS. SUMMARY REPORT OF MAINTENANCE SHALL BE SUBMITTED SEMI-ANNUALLY.

Validation	(if	different	from	Facility	Permit)
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issued _		*************************************	·····	to the Personal Property of the Personal Prope
Expirati	on_	August	31,	<u>1</u> 980

Miltouthen)

		SOURCE PERMIT NO	13-1140-0001-01
	H CORPORATION D PAPER UNIT	Pallocated at LEW	age <u>6</u> of <u>19</u>
is hereby gran	ted permission	to operate the following	ng air pollution
source or cont	rol equipment:	THEIR NO. 2 KRAFT PRO	CESS FURNACE WITH
ASSOCIATED DIR	ECT CONTACT EVA	PORATOR AND ELECTROSTA	FIC PRECIPITATOR
(ESP)			
Restrictions:			
Emission Point ESP	Emission Characteristic PARTICULATES	0.060 GR/SDCF COR- RECTED TO 8% 0 ₂ (~3.0 LB/ADT) (MAX. DAILY AVG)	MONTHLY SOURCE TEST USING IDAHO
	VIS. EMISSIONS	RULE 1-1902 35% OPACITY EX- CEPT 3 MIN. IN ANY 60 MIN. PER. RULE 1-1902 17.5 PPM (MAX. DAILY AVG)	CONTINUOUS MON- TORING AND RE- CORDING CONTINUOUS MON- ITORING AND RE-
Conditions:	ORT OF TESTING	RULE 1-1655 RESULTS WITH ALL VALUE	CORDING

- 1) SUBMIT QUARTERLY REPORT OF TESTING RESULTS WITH ALL VALUES EXCEEDING LIMIT SPECIFIED IN THIS PERMIT SUMMARIZED WITH CORRECTIVE PROCEDURES TAKEN FOR EACH OCCURRENCE.
- 2) SUBMIT A COPY OF THE ESP ROUTINE MONITORING AND MAINTENANCE PROCEDURES, IN CLUDING METHODS TO ASCERTAIN WHICH ELECTRODES ARE IN PLACE AND MAINTAINING AN OPTIMUM SPARKING RATE FOR ALL SECTIONS. SUMMARY REPORT OF MAINTENANCE SHALL BE SUBMITTED SEMI-ANNULLY.

Validation (if different from Facility Permit)

Effective Date September 1, 1980

Expiration ____

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Authorizing Signature

SOURCE PER TT NO. 13-1140-0061-02

Doti stab	Corporation		Page7of19
	Paper Unit	located hear	Lewiston, Idaho
is hereby	granted permission to	n operate the following a	air pollution sour
or control	equipment; Their No	. 3 Kraft Process Recover	7 Furnace with
associate	d direct contact evap	orator and electrostatic	precipitator (ESP)
1	ann agus ann aite aide an agus an am an tha ann an t-aire ann an t-aire an t-aire an t-aire an t-aire an t-air		
			*
Restrictio	ns:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
ESP	Particulates	0.03 GR/SDCF Corrected to 8% O ₂ (~3.7 LB/ADT) (MAX. DLY. AVG) Rules 1-1902	Monthly Source Test Using Idaho Procedures
	Visible Emissions	40% opacity except 3 min. in any 60 min.	Continuous Moni- toring and record
:	TRS	per. 44.0 PPM (MAX. DAILY AVERAGE) Pulo 1-1655	Continuous moni- toring and record

Conditions:

- 1) Submit a quarterly report of testing results with all values exceeding limitations specified in this permit sussairized with corrective procedures taken for each occurrence.
- 2) Submit a copy of the ESP routine monitoring and maintenance procedures, including methods to ascertain which electrodes are in place and maintaining an optimum sparking rate for all sections. Summary reports of maintenance shall be submitted semi-annually.

maintaining an optimum sparking rate for all sections. of maintenance shall be submitted semi-annually.	Summary	reports
Validation (if different from Facility Permit)		

Expiration December 31, 1930

Multipul Signature

SOURCE PER T NO. 13-1140-0	1001-01	2
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		₽	age <u>ನ</u> of <u>19</u>
Potlatch C Pulp and E	Corporation	Costed noar	Lewiston, Ida
Pulo and r	aper onre	1 Seated Heat	newiston, ida
is hereby	granted permission to	operate the following a	ir pollution sour
or control	equipment; Their No	. 3 Krait Process Recover	y Furnace with
Associated	l Direct Contact Evapo	rator and Electrostatic (recipitator (ESP)
	empling medityangan meningka nyakanda penyengga pengga pennyan angan ayya ai annyabi ng propinsi na kari	eriandere militare et de que et districe e em la recepte e el recepto en el recepto de deserbito de deserbito de la recepto del receptor de la receptor de la receptor del receptor del receptor de la receptor del receptor de la receptor de la receptor del receptor del receptor de la receptor del receptor del receptor de la receptor de la receptor del rece	- and member is an experiment of the second distinct in the second distinct distinct in the second distinct di
Restrictio	ns:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
ESP	Particulates	0.00 GR SD.F Corrected to 8.02 (2.3 LD/ADT) (Max. Diy. avg.) -Rule 1-1902	Monthly Source Test using Idaho Procedures
	Visible Emissions	40% opacity except 3 min. in any 60 minute	Continuous monitoring and
	TRS	period 14.0 PFM (Max. Dly Avg.) Rule 1-1655	recording Continuous monitoring and
	•		recording

Conditions:

- 1) Submit a quarterly report of testing results with all value's exceeding limits specified in this permit summarized with corrective procedures taken for each occurrence.
- 2) Submit a copy of the ESP routine monitoring and maintenance procedures including methods to ascertain which electrodes are in place and maintaining an optimum sparking rate for all sections. Summary report of maintenance shall be submitted semi-annually.
- 3) Adherence with conditions of Board Order dated September 30, 1986, Docket #0310-79-15, Section III.

Validation (if different from Facility Permit)

Effective December 31, 1980

Expiration December 31, 1903

Authoriting Signature

		moduch samma no.	TO-TT40-000T-03
DOMT 3 m O	u copporation		Page 9 of 19
	H CORPORATION D PAPER UNIT	located at LI	EWISTON, IDAHO
is hereby	granted permission to		
source or	control equipment:	THEIR NO. 4 KRAFT RE	ECOVERY FURNACE
WITH ASSO	OCIATED-INDIRECT CONTA	ACT EVAPORATOR AND EI	LECTROSTATIC
PRECIPITA	ATOR (ESP)		
	•		
***************************************			Morris dem un del prima con contra del prima del p
		harri angan an andra alim andra angan angan angan da angan da angan da angan da Paril angan da Angan da Angan d	
Restrictio	ons:		
		•	
Emission Point	Emission Charactéristic	Emission Limitations	Monitoring Requirements
SP	PARTICULATES	0.040 GR/SDCF COR- RECTED TO 8% 02 (~2.0 LB/ADT) (MAX. DAILY AVERAGE)	TEST USING IDAHO
	VIS. EMISSIONS	15 PPM, DAILY (MAX DLY. AVG)	TORING AND RE- CORDING CONTINUOUS MON-
Conditions		RULE 1-1902	
HITOND DEEK	RLY REPORT OF TESTING CIFIED IN THIS PERMIT OCCURRENCE.	RESULTS WITH ALL VAI SUMMARIZED WITH CORE	LUES EXCEEDING RECTIVE PROCEDURES
TIMUM SPAR	F THE ESP ROUTINE MONDS TO ASCERTAIN WHICH KING RATE FOR ALL SECTION SEMI-ANNULLY.	FLECTRODES ARE IN PI	ACE AND MATNUATHIN
Validation	(if different from F	acility Permit)	
Issue	ರ		

Authorizing Signature

Expiration ____

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2)

SOURCE PERMIT NO. .13-1140-0001-08 Page 10 of 19 POTLATCH CORPORATION PULP AND PAPER UNIT located at LEWISTON, IDAHO is hereby granted permission to operate the following air pollution source or control equipment: THEIR NO. 1 LIME KILN WITH ASSOCIATED VENTURI SCRUBBER AND SETTLING TANKS. Restrictions: Emission Emission Emission Monitoring Limitations Point Characteristic Requirements 0.12 GR/SDCF COR-RECTED TO 8% 0₂ (~1.0 LB/TON ADP) SCRUBBER PARTICULATES MONTHLY SOURCE TEST USING IDAHO PROCEDURES OR EQU (MAX. DLY. AVG.) ALENT ALTERNATE RULE 1-1658 (AFTER AN EQUIVAI OF 30 DAYS OF OPE VIS. EMISSIONS 40% OPACITY EX-(VISIBLE EMISSION CEPT 3 MIN. IN ANY OBSERVATION AT TI 60 MINUTE PERIOD SOURCE TEST IF PE RULE 1-1202 FORMED)

Conditions:

- 1) SUBMIT QUARTERLY REPORT OF TESTING RESULTS WITH ALL VALUES EXCEEDING LIMITS SPECIFIED IN THIS PERMIT SUMMARIZED WITH CORRECTIVE PROCEDURES TAKEN FOR EACH OCCURRENCE. REPORT SHALL BE SUBMITTED EACH CALENDAR QUARTER FOLLOWING AN EQUIVALENT OF OVER 30 DAYS OF OPERATION.
- 2) SUBMIT A COPY OF OPERATING AND MAINTENANCE PROCEDURES RELATING TO: PRESSURE DROP ACROSS SCRUBBER, WATER RECYCLE RATE, SOLIDS CONTENT OF RECYCL SCRUBBER WATER AND WATER MAKEUP RATE OR OTHER TO ASSURE OPTIMAL SCRUBBER EFFICIENCY.
- 3) SUBMIT A SEMI-ANNUAL REPORT OF MAINTENANCE ACTIVITIES PURSUANT TO ITEM 2.

Issued	
Expiration	

Miller Aller

		SOURCE PERMIT NO.	13-1140-0001-09
	POTLATCH CORPORATION PULP AND PAPER UNIT	p located at LE	Page 11 of 19 EWISTON, IDAHO
	is hereby granted permission t	to operate the followi	ng air pollution
	source or control equipment:	THEIR NO. 2 LIME KILN	WITH ASSOCIATED
	SCRUBBER AND SETTLING TANKS.		
-			
	Restrictions:		
	Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
	SCRUBBER PARTICULATES	0.12 GR/DSCF COR- RECTED TO 8% 0 ₂ (~1.0 LB/TON ADP) (MAX. DALY. AVG.) RULE 1-1658	IDAHO PROCEDURES OR EQUIVALENT ALTERNATIVE (AFTER AN EQUIVALENT OF
	VIS. EMISSIONS	<pre><40% OPACITY EX- CEPT 3 MIN. IN ANY 60 MIN. PER. RULE 1-1202</pre>	OBSERVATION AT TI
1)	Conditions: SUBMIT A QUARTERLY REPORT OF TESTING SPECIFIED IN THIS PERMIT SUMMARIZED OCCURRENCE. REPORT SHALL BE SUBMIT	WITH CORRECTIVE PROCE	THIRDS TAKEN FOR EX
2)	EQUIVALENT OF OVER 30 DAYS OF OPERAT SUBMIT A COPY OF OPERATING AND MAINT DROP ACROSS SCRUBBER, WATER RECYCLE WATER AND WATER MAKEUP RATE OR OTHER	FION. TENANCE PROCEDURFS REI RATE, SOLIDS CONTENT	LATING TO: PRESSUE
3)	EFFICIENCY. SUBMIT A SEMI-ANNUAL REPORT OF MAIN'T Validation (if different from	FENANCE ACTIVITIES PUR	

Issued

Expiration _

		SOURCE PERMIT NO.	13-1140-0001
DAME AMOU	CORPORATION		Page 12 of 19
	PAPER UNIT	located at	LEWISTON, IDAHO
is hereby gr	anted permission	to operate the follo	wing air pollution
source or co	ntrol equipment:	THEIR NO. 3 LIME K	ILN WITH ASSSOCIATED
SCRUBBER AN	D SETTLING TANKS.		
The state of the s			
		•	
	and the second	•	
Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
SCRUBBER	PARTICULATES	0.12 GR/DSCF COR RECTED TO 8% O ₂ (∿1.0 LB/TON ADP (MAX DLY. AVG.) RULE 1-1658	USING IDAHO PRO-
	VIS. EMISSIONS	<pre><40% OPACITY EX- CEPT 3 MIN. IN ANY 60 MIN. PER. RULE 1-1202</pre>	

Conditions:

Issued

1) SUBMIT A QUARTERLY REPORT OF TESTING RESULTS WITH ALL VALUES EXCEEDING LIM SPECIFIED IN THIS PERMIT SUMMARIZED WITH CORRECTIVE PROCEDURES TAKEN FOR E OCCURRENCE. REPORT SHALL BE SUBMITTED EACH CALENDAR QUARTER FOLLOWING AN EQUIVALENT OF OVER 30 DAYS OF OPERATION.

2) SUBMIT A COPY OF OPERATING AND MAINTENANCE PROCEDURES RELATING TO: PRESSUR DROP ACROSS SCRUBBER, WATER RECYCLE RATE, SOLIDS CONTENT OF RECYCLE SCRUBBER WA AND WATER MAKEUP RATE OR OTHER PARAMETERS TO ASSURE OPTIMAL SCRUBBER EFFICIEN

3) SUBMIT A SEMI-ANNUAL REPORT OF MAINTENANCE ACTIVITIES PURSUANT TO ITEM 2.

Validation	(if	different	from	racility	Permit)

Expiration June 30, 1981

Authorizing Signature

			Page 13 of 19
Potlatch C	orporation		
			r <u>Lewiston</u> , Idaho
is hereby	granted permission	to operate the following .	air pollution sour
or control	equipment; Their	Mo. 3 Gime Kiln with assoc	iated Venturi
Scrubber a	nd Settling Tanks		
	2		
generalista esta de la compresa en el esta del processo esta esta esta esta esta esta esta esta			m van van de v
And the second s		e annote format varieties and administrative representative sources and appropriate and approximate and approx	

Restriction	15:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulates	0.090 GR/DSCC Corrected to 10% O2 (~.6 Lb/Ton ADP) Max. Dly. Avg.	Monthly source test using Idaho procedures or
	(Kiln Heated by Fuel Oil)	0.110 GR/DSCF Corrected to 10% O ₂ (~.8 Lb/Ton ADP) Max. Dly. Avg.	equivalent alter
	Vis. Emissions	Rule 1-1902 30% Opacity except 3 win. in any ov win. period	Visible emission observation at to source test is
			performed.
Conditions:			
See Appendi	x A and Appendix B.		
	•	• •	
Validation	(if different from	Facility Permit)	
Effecti	ve July 1. 1986		

Expiration

Authorizing Signature

		SOURCE PERMIT NO.	13-1140-0001
-		Ď.	age <u>14</u> of <u>19</u>
POTLATCH CO	RPORATION APER UNIT	located at LEWI	•
		operate the following	
source or co	ntrol equipment:	THEIR NO. 4 LIME KILN	N ASSOCIATED
		LING TANKS.	
Restrictions	:		
Emission Point SCRUBBER	Emission Characteristic PARTICULATES (KILN HEATED BY NATURAL GAS)	Emission Limitations 0.070 GR/DSCF COR- RECTED TO 10% 02 (~.60 LB/TON ADP) RULE 1-1902	Requirements MONTHLY SOURCE TEST USING IDA
	(KILN HEATED BY FUEL OIL)	0.090 GR/DSCF COR- RECTED TO 10% 0 ₂ (~.74 LB/TON ADP) RULE 1-1902	
Condition	VIS. EMISSIONS	20% OPACITY EX- CEPT FOR 3 MIN. IN ANY 60 MIN. PERIOD	(VIS. EMISSION OBSERVATION AT SOURCE TEST IS PERFORMED)
Conditions: SEE APPEN	NTV 3		
SEE APPENE	JIA R		
		·	
Validation (if different from Fa	acility Permit)	
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Expirat	io~	Class Me	-1/4/2:)

SOURCE PERMIT NO. 13-1140-0001-10 Page 15 of 19 POTLATCH CORPORATION located at LEWISTON, IDAHO is hereby granted permission to operate the following air pollution source or control equipment: THEIR NO. 1, 2, and 3 RECOVERY FURNACE SMELT DISSOLVING TANKS WITH ASSOCIATED COMMON SCRUBBER AND STACK Restrictions: Emission Emission Emission Monitoring Point Characteristic Limitations Requirements SCRUBBER PARTICULATES 0.060 GR/DSCF SEMI-ANNUAL SOURCE (∿0.4 LB/TADP TESTING (MAX. DLY. AVG) RULE 1-1902 VIS. EMISSIONS <20% OPACITY EX-CEPT FOR 3 MIN. IN ANY 60 MINUTE

PERIOD

Conditions:

SUBMIT A SEMI-ANNUAL REPORT OF TESTING RESULTS INCLUDING ANY VALUES EXCEEDING PERMIT LIMITS AND PROCEDURES USED TO CORRECT EXCEEDENCE.

Validation (if different from Facility Permit) Issued

Expiration

	• ·	SOURCE PERMIT NO.	13-1140-0001
POTLATCH CO	ORPORATION		Page 16 of 19
PULP AND P		located at	LEWISTON, IDAHO
is hereby gr	ranted permission to	o operate the follow	ving air pollution
source or co	ontrol equipment: _	THEIR NO. 4 RECOVER	RY FURNACE SMELT
DISSOLVING	G TANK WITH ASSOCIAT	FED SCRUBBER AND STA	ACK.
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endros sono, seur i sono in rissalingua della decide montaliando displacamente.			
			Victoria de la composición del composición de la composición de la composición de la composición del composición de la c
Restrictions			
Restrictions	(.	• • • • • • • • • • • • • • • • • • •	
Emission Point SCRUBBER	Emission Characteristic PARTICULATES	Emission Limitations 0.070 GR/DSCF (~0.4 LB/TADP) (MAX. DLY. AVG) RULE 1-1902 <20% OPACITY EX CEPT FOR 3 MIN. IN ANY 60 MINUT PERIOD	
Conditions:			
SUBMIT A SEMI-A CEEDING PERMIT	ANNUAL REPORT OF TE LIMITS AND PROCEDU	ST RESULTS INCLUDING RES USED TO CORRECT	G ANY VALUES EX- EXCEEDENCE.
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Validation (if different from F	'acility Permit)	
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Expirat		Coll	9

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Page 17 of 1

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

Page 19 of 1

- 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.
- H Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

APPENDIX A

- 1) SUBMIT A QUARTERLY REPORT OF TESTING RESULTS WITH ALL VALUES EXCEEDING LIMITS SPECIFIED IN THIS PERMIT SUMMARIZED WITH CORRECTIVE PROCEDURES TAKEN FOR EACH OCCURRENCE. REPORT SHALL BE SUBMITTED EACH CALENDAR QUARTER FOLLOWING AN EQUIVALENT OF OVER 30 DAYS OF OPERATION.
- 2) SUBMIT A COPY OF OPERATING AND MAINTENANCE PROCEDURES RELATING TO:
 PRESSURE DROP ACROSS SCRUBBER, WATER RECYCLE RATE, SOLIDS CONTENT
 OF RECYCLE SCRUBBER WATER AND WATER MAKEUP RATE OR OTHER PARAMETERS
 TO ASSURE OPTIMAL SCRUBBER EFFICIENCY.
- 3) SUBMIT A SEMI-ANNUAL REPORT OF MAINTENANCE ACTIVITIES PURSUANT TO ITEM 2.

Potlatch Corporation Pulp and Paper Unit

SOUNCE PERKIT NO. 13-1140-00

- 1) The permittee maintains a differential pressure across the Venturi Scrubber of at least 18 inches of water, and a maximum solids level in the scrubbing solution of 7%.
- 2) The permittee install a "flooded elbow" just prior to the scrubbing tank on #3 Lime Kiln, said flooded elbow to be completed and operating by January 15, 1980.
- 3) The permittee shall comply with the following emission limits if, by July 1, 1981, it can be shown that they can be consistently met:

EMISSION CHARACTERISTIC

Particulates (Kiln Heated by Natural Gas)

Particulates (Kiln Heated by Fuel Oil)

Vis. Emissions

EMISSION LIMITATION

0.08 GR/DSCF Corrected to $10 * O_{2}$.

0.10 GR/DSCF Corrected to 10% 02.

25% opacity except 3 min. in any 60 min. period

.

(Louiston)

Happendix H.2

FACILITY PERM NO. 13-1140-0003-

13 1140 0003

Page 1 of ___

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

POTLATCH CORPORATION - CLEARWATER UNIT Permittee, including affiliates, if any

P.O. BOX 1016 Located at

LEWISTON, IDAHO 83501

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued July 5, 1979

Expiration January 31, 1984

Milita & Telle

Director

Ì		SOURCE PERMIT NO. 13	-1140-0003-01
	POTLATCH CORPORATION		ge 2 of 9
	CLEARWATER UNIT	located at <u>LEWI</u>	STON, IDAHO
	is hereby granted permission to	operate the following	g air pollution
	source or control equipment: The	HE SPREADER STOKER WO	OD WASTE FIRED
	"RILEY" BOILER AND ASSOCIATED WE	ET SCRUBBER	
	and the second s		•
		• 1	
	Restrictions:	,	•
ļ			
	Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
	SCRUBBER PARTICULATES	0.130 GRAINS/DRY STANDARD CUBIC FT. CORRECTED TO 8% 02	MONTHLY SOURCE TESTS
	VISIBLE EMISSIONS	(∿0.25 LB/10 BTU)	
	VISIBLE EMISSIONS	<pre><40% OPACITY NOT TO BE EXCEEDED MORE THAN 3 MINUTES IN ANY 60 MINUTE PER. RULE 1-1202</pre>	THE TIME OF TI
11	Conditions:	EGULMO COMMATNINO A	
- / .	SUBMIT QUARTERLY REPORT OF TESTING RIVALUES WHICH EXCEED THE LIMITS SET FOR TAKEN TO REDUCE VALUES BELOW THOSE LIMITS.	ORTH IN THIS PERMIT A	ISTING OF ALL ND THE PROCEDUI
2)	SUBMIT A COPY OF OPERATING AND MAINT	ENANCE PROCEDURES RE	LATING TO:
	PRESSURE DROP ACROSS SCRUBBER, WATER RECYCLE SCRUBBER WATER AND WATER MAKE ASSURE OPTIMAL SCRUBBER EFFICIENCY.	RECYCLE RATE, SOLIDS	CONTENT OF
	Validation (if different from Fa	acility Permit)	

Issued

Expiration JANUARY 31, 1981

ውስጥፒ አጥ <u>ር</u>	CH CORPORATION		Page 3 of _
	ATER UNIT	located at <u>LE</u>	WISTON, IDAHO
is hereby o	granted permission to	operate the follow	ing air polluti
source or (control equipment:	THE SPREADER STOKER	WOOD WASTE FIR
"RILEY" BOX	ILER AND ASSOCIATED WA	ATER SCRUBBER.	

		\ ``	
		•	
Restriction	ıs:		
Restriction	ıs:		
Restriction	ıs:		
Emission	Emission	Emission	Monitoring
		Limitations 0.080 GRAINS/DRY STANDARD CUBIC	Monitoring Requirements MONTHLY SOUR TESTS
Emission Point	Emission Characteristic	Limitations 0.080 GRAINS/DRY	Requirements MONTHLY SOUR
Emission Point SCRUBBER	Emission Characteristic PARTICULATES VISIBLE EMISSIONS	Limitations 0.080 GRAINS/DRY STANDARD CUBIC FOOT, CORRECTED TO 8% 02 (~0.16 LB/106 BTU) RULE	Requirements MONTHLY SOUR TESTS (VISIBLE EMI OBSERVATIONS
Emission Point SCRUBBER Conditions:	Emission Characteristic PARTICULATES VISIBLE EMISSIONS	Limitations 0.080 GRAINS/DRY STANDARD CUBIC FOOT, CORRECTED TO 8% 02 (~0.16 LB/106 BTU) RULE 1-1902 <20% OPACITY NOT TO BE EXCEEDED MORE THAN 3 MIN- UTES IN ANY 60 MINUTE PERIOD.	Requirements MONTHLY SOUR TESTS (VISIBLE EMI OBSERVATIONS TIME OF THE TEST)

Validation (if different from Facility Permit)

SUBMIT A COPY OF OPERATING AND MAINTENANCE PROCEDURES RELATING TO:

PRESSURE DROP ACROSS SCRUBBER, WATER RECYCLE RATE, SOLIDS CONTENT OF RECYCLE SCRUBBER WATER AND WATER MAKEUP RATE OR OTHER PARAMETERS TO

Effective Date February 1, 1981

ASSURE OPTIMAL SCRUBBER EFFICIENCY.

2)

Expiration _____

Cal And Alling

	CORPORATION		ige <u>4</u> of
CLEARWAT	ER UNIT	located atLEV	VISTON, IDAHO
is hereby gra	anted permission to	operate the following	g air pollutio
source or con	ntrol equipment: The	HEIR DUTCH OVEN TYPE	"KIDWELL" HOGG
FUEL BOILERS	NO.S 1 AND 2 AND 2	ASSOCIATED BREECHING	AND STACK.
-			
and a second a second	<u></u>		-
	aanaa ka ka ka aa aa aa aa ah ah ah ah ah ah ah ah ah		
Restrictions			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
AST STACK	PARTICULATES	0.18 GR/DSCF TO 8% 02 (~.36 LB/10 BTU EACH BOILER) RULE 1-1302	SEMI-ANNUAL SO TESTING
	VIS. EMISSIONS	<20% OPACITY EX- CEPT FOR 3 MIN. IN ANY 60 MIN. PER	CONTINUOUS MONTORING AND REC

- L) SUBMIT A QUARTERLY REPORT OF TESTING RESULTS CONTAINING A LISTING OF VALU EXCEEDING LIMITS SPECIFIED IN THIS PERMIT WITH CORRECTIVE MEASURE TAKEN T REDUCE LEVELS OF EMISSIONS.
- 2) UPON CERTIFICATION AND OPERATION OF NO. 4 POWER BOILER, NO MORE THAN TWO WELL BOILERS SHALL BE OPERATED ON WOOD FUEL AT ANY ONE TIME. IF OPERATED, OTHER TWO UNITS SHALL BE FIRED WITH NATURAL GAS. POTLATCH SHALL SUPPLY QUARTERLY DATA INDICATING THE AMOUNT AND TYPES OF FUEL BY EACH KIDWELL BOILE!

Validation (if different from Facility Permit)

Issued	
Expiration	

Milford Klin

PART T

		SOURCE PERMIT NO. 13	-1140-0003
POT	LATCH CORPORATION	Pa	ge <u>5</u> of
CLE	ARWATER UNIT	located at LEW	ISTON, IDAHO
is here	by granted permission	to operate the following	g air pollution
source	or control equipment:	THEIR DUTCH OVEN TYPE	"KIDWELL" HOGGI
FUEL F	IRED BOILERS NOS. 3 AN	ND 4 AND ASSOCIATED BREE	CHING AND STACE
			•
Restric	tions:		
Emissio:	n Emission	Emission	Monitoring
Point	Characteristic		Requirements
WEST STACE	Y PARTICULATES	0.18 GR/DSCF COR- RECTED TO 8% 02 (∿.36 LB/10 BTU EACH BOILER) RULE 1-1302	SEMI-ANNUAL S TESTING
	VIS. EMISSIONS	<20% OPACITY EX- CEPT FOR 3 MIN. IN ANY 60 MIN. PERIOD - RULE 1-120	
EXCEEDING THE	ERLY REPORT OF TESTING LIMITS SPECIFIED IN T	G RESULTS CONTAINING A I HIS PERMIT WITH CORRECTI	LISTING OF VALU VE MEASURES TA
TO REDUCE LEVE	CLS OF EMISSIONS.		•
THE OTHER TWO	S SHALL BE OPERATED OF UNITS SHALL BE FIRED OF	NO. 4 POWER BOILER, NO N WOOD FUEL AT ANY ONE T WITH NATURAL GAS. POTLA I AND TYPES OF FUEL USED BY	'IME. IF OPERA'
Validat:	ion (if different from	Facility Permit)	

Miller A Klin

1)

2)

Issued

Expiration

				SOURCE PERMIT N	o. <u>13</u>	-1140-0	003	·
	CH CORP			located at	Pag LEWIST			9
is hereby	granted	permission	to	operate the fol	lowing	air po	llutio	n
source or	control	equipment:	<u>A</u>	PLYSTRAN UNIT W	ITH AS	SOCIATE	DRYE	R
***************************************				e in de en en de de Messagne de la recolo de Marie de Lagragia de la describa de Lagragia de la colonidad de l La colonidad de la colonidad d				
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****	·				· · · · · · · · · · · · · · · · · · ·			
Acquisit State Control of the Contro							annamer A A A	_
Restrictio	ns:	,	-					
Emission Point DRYER		Emission tracteristic IBLE EMISSI		Emission Limitations <40% OPACITY CEPT FOR 3 M IN ANY 60 MI PERIOD (RULE 1-1203)	EX- IIN.	Monitor Requirer CONTINU TORING CORDING	nents OUS MC AND RE	

Conditions:

- 1) SUBMIT A QUARTERLY REPORT OF TESTING RESULTS INCLUDING ALL VALUES WHICH EXCEED THE LIMITS SET FORTH IN THIS PERMIT AND THE PROCEDURES TAKEN TO REDUCE ANY EXCEEDANE BELOW THOSE LIMITS.
- 2) SUBMIT OPERATING AND MAINTENANCE PROCEDURES ON THE DRYER WHICH ARE DESIGN TO ENSURE UNIT OPERATES IN A MANNER TO MINIMIZE SMOKE PRODUCTION INCLUDING CONSIDERATION OF OPTIMAL COMBUSTION CHAMBER TEMPERATURE.

Validation	(if	different	from	Facili	ity	y Permit)
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Issued	
Expiration	

Millet A Klin

Authorizing Signature

			•		SOU	RCE PERM	IT NO.	13-114	0-0003	
	1.							Page 61	of of	· g
			ATCH COR RWATER U	RPORATION NIT		located		WISTON,		
	is h	ereby	granted	permission	to ope	rate the	follow	ing air	polluti	or
	sour	ce or	control	equipment:	A PL	YSTRAN UI	TIW TIN	H ASSOC	ATED DR	YE
										•
	· .		· .		***				·	
						·				
							-			
						•				
	Rest	rictio	ons:							
,		•								
	Emis Poi DRYER	nt		Emission aracteristic SIBLE EMISSI	ONS	Emissic Limitati <40% OPAC EXCEPT FO MINUTES I 50 MINUTE RULE 1-12	ions ITY R 3 N ANY PERIO	Requi CONTI TORIN CORDI	toring rements NUOUS M(G AND RE	NC
			• · · ·							
			ı							
3)	REDUCE VI	itions SIBLE MINU	EMISSIC	ONS TO LESS OD IN ACCORD	THAN 20 ANCE WI	% OPACIT	Y, EXCI	EPT FOR	3 MINUTE	is
•	a) BY JUI b) BY JUI	Y 1, Y 15,	1976, CC 1979, C 1980, CC	OMPLETE ENGI ORDER ALL NE OMPLETE INST	NEERING CESSARY	STUDY	S OR MO	ነጋፒፑፒሮልጥ	TONS	Œ
	d) BY JUI	Y 1,		SURE FINAL	COMPLIA	NCE WITH	THIS C	CONDITION	J	
	Valid	lation	(if di	fferent from	Facil	ity Permi	.t)			
		Issue	ed							

Expiration

FACILITY PERMIT NO. 13-1140-0003

Page 7 of

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

FACILITY PERMIT NO. 13-1140-0003 Page 8 of

- at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method require in this permit, and to sample any emission of pollutants.
- Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permitt from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

FACILITY PERMIT NO. 13-1140-0003

Page 9 of

- 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.
- H Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

Page 1 of 8

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Control of Air Pollution in Idaho,

Coast Trading Company, Inc.
Permittee, including affiliates, if any

Lewiston,
Located at

Idaho 83501

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued <u>6/29/79</u>

Expiration 6/28/84

Milany Klein

SOURCE PERMIT NO. 13-1140-0011-01 Page 2 of 8 Coast Trading Company, Inc. located at Lewiston, Idaho is hereby granted permission to operate the following air pollution source or control equipment: Their grain terminal truck dump and barge loading unit with associated fabric filter. Restrictions: Emission Emission Emission Monitoring Characteristic Limitations Point Requirements Fabric Filter Particulate Weight of dust be exceeded more than collected by fabr 3 minutes in any 60 filter reported minute period, Rule quarterly, Manual 1-1203 Sec. 1-1005.01(c) Particulate <20% opacity not to Truck Dump None Fugitive Dust be exceeded more than 3 minutes in any 60 minute period, Rule 1-1203 Particulate \(\textsquare 20\% \) opacity not to Fugitive Dust \(\textsquare \) be exceeded for more Barge Loading None than 3 minutes in any 60 minute period, Rule 1-1203 Conditions: Validation (if different from Facility Permit) Issued

Expiration

		SOURCE PERMIT NO.	13-1140-0011-02
			Page <u>3</u> of <u>8</u>
Coast Tra	ding Company, Inc.	located at Le	ewiston, Idaho
is hereby	granted permission	to operate the follow	ing air pollution
source or	control equipment:	Their plant access ro	oads.
Restrictio	ns:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Roads	Fugitive Dust	Compliance with Manu Section 1-1251 of Ru & Regulations for Co of Air Pollution in include all reasonab precautions to preven particulate matter fibecoming airborne as described in attached Appendix A.	les of measures ntrol which have be Idaho implemented. le nt rom
Conditions	:		
	•.		
		••••	
Validation	(if different from	Facility Permit)	
Issue	ā		
Expir	ation <u>12/31/80</u>		<u> </u>

		SOURCE PERMIT NO.	13-1140-0011-03
			Page 4 of 8
Coast Trac	ling Company, Inc.	located at Ler	wiston, Idaho
is hereby gr	anted permission to	o operate the follow	ing air pollutio
source or co	ntrol equipment:	Their plant access	roads.
r			
· · · · · · · · · · · · · · · · · · ·			; <u>; , , , , , , , , , , , , , , , , , ,</u>
***************************************			•
		and the state of t	
44.49			
Restrictions	:		
Emission	Emission	Emission	Monitoring
Point	Characteristic	Limitations	Requirements
Incoming Traffic Access Road	Particulate Fugitive Dust	The incoming traff access road shall paved. Paving shabe maintained in a clean condition as	be 11
		per Manual Section 1-1252.06	•
Exit Traffic Access Road Conditions:	Particulate Fugitive Dust	The exit traffic access road shall paved. Paving shall be maintained in a clean condition as per Manual Section 1-1252.06	

Effective 1/1/81

Expiration _

Mulder J. Klain Authorizing Signature

Page 5 of 8

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

FACILITY PERMIT NO. 13-1140-0011 Page 6 of 8

- at reasonable times to have access to and copy
 any records required to be kept under the terms
 and conditions of this permit; to inspect any
 monitoring equipment or monitoring method required
 in this permit, and to sample any emission of
 pollutants.
- Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

- 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.
- H Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

Page	8	of	8

APPENDIX A

- 1) All haul roads, access roads and traffic patterns shall be paved, ciled, or watered at least twice daily during the operating season unless wet because of natural precipitation, in order to control fugitive dust.
- 2) All paved areas on the plant grounds shall be maintained in a dust-free condition by wet sweeping or equivalent methods. The removal of dust shall be accomplished at least weekly during the operating season and more frequently if required because of excessive dust accumulation and dry weather.
- 3) All permittee-owned or operated open-bodied trucks transporting fugitive dust generating materials to or from the plant location shall be covered at all times while in motion on public roads.

Page 1 of

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

Lewis-Clark Terminal Association
Permittee, including affiliates, if any

Lewiston, Located at

Idaho

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued 6/29/79

Expiration 6/28/84

Miland Klein

SOURCE PERMIT NO. 13-1140-0010-01

		Paç	e 2 of 7
Lewis-Clark	Terminal Associat	ion located at Lewis	ton, Idaho
is hereby gr	anted permission	to operate the following	air pollution
source or co	ntrol equipment:	Their grain terminal to	ruck dump and
		iated fabric filter.	
			*
***************************************	·		
			· · · · · · · · · · · · · · · · · · ·
			rayan mayang baran kanan kanan kanan kanan da k
Restrictions	•		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
ric Filter	Particulate	410% opacity not to be exceeded more than 3 minutes in any 60 minute period - Rule 1-1203	Weight of dust collected by fa filter reported quarterly manual Section 1-1005.
ck Dump	Particulat e	<pre>< 20% opacity not to be exceeded more than 3 minutes in any 60 minute period - Rule 1-1203</pre>	(c) None
ge Loading	Particulate Fugitive Dust	<pre>< 20% opacity not to be exceeded more than 3 minutes in any 60 minute period - Rule 1-1203</pre>	None
Validation (if different from	Facility Permit)	
hausst			

Expiration

PART I

		SOURCE PERMIT	NO. 13-114	0-0010-05
			Page _.	3 of <u>7</u>
Lewis-Cla	rk Terminal Associati	on located at	Lewiston	, Idaho
is hereby	granted permission t	o operate the fo	llowing a	ir pollution
source or	control equipment: 1	heir plant acces	s roads.	
	、			
		namentalista kan san san san san san san san san san s	e annatur eterrira communication and annature and annature and annature and annature and annature and annature	·
				ngapaka mining dan samuni kadikan pakan milika kangan mpaja pagapa
Restrictio	ons:			
Emission Point	Emission Characteristic	Emission Limitations		onitoring quirements
Roads	Fugitive Dust	Compliance with Section 1-1251 & Regulations F Control of Air lution in Idaho Include all reaprecautions to particulate mat	of Rules For The Pol- Manual Sonable prevent	Quarterly rep of measures which have be implemented.
Conditions	5 :	becoming airbor described in at listings 1 thro	ne as tached	
Compliance	e with requirements li	sted in Appendix	: A.	
		_		
Validatior	n (if different from)	Pacility Permit)		
Issue	ed			
Expir	cation August 31, 19	80		

SOURCE PERMIT NO. 13-1140-0010-02 Page 4 of 7 Lewis-Clark Terminal Association located at Lewiston, Idaho is hereby granted permission to operate the following air pollution source or control equipment: Their plant access roads. Emission Monitoring Limitations Requirements

Emission Point

Restrictions:

Emission Characteristic

Incoming Traffic Access Road

Particulate The incoming traffic access road shall be paved. Paving shall be maintained in a clean condition as per manual Section 1-1252.06

Exit traffic

Access Road*

Particulate Compliance with Manual Section 1-1252

Conditions:

If the eastern boundary of the property line is changed before the expiration of this permit the exit traffic access road shall be paved within nine (9) months of said occurrence.

Compliance with requirements listed in Appendix A.

Validation (if different from Facility Permit)

Effective	9/1/80		
		,	
Expiratio	n		

FACILITY PERMIT NO. 13-1140-0010

Page 5 of 7

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

Page 6 of

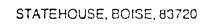
PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- G 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.
- H Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

APPENDIX A

- 1) All haul roads, access roads and traffic patterns shall be paved, oiled, or watered at least twice daily during the operating season unless wet because of natural precipitation, in order to control fugitive dust.
- 2) All paved areas on the plant grounds shall be maintained in a dust-free condition by wet sweeping or equivalent methods. The removal of dust shall be accomplished at least weekly during the operating season and more frequently if required because of excessive dust accumulation and dry weather.
- 3) All permittee-owned or operated open-bodied trucks transporting fugitive dust generating materials to or from the plant location shall be covered at all times while in motion on public roads.



Page 1

Permit No. 0880-0008

POLLUTION SOURCE PERMIT

In compliance with the provisions of Section 39-115, Idaho Code,
POE ASPHALT
is authorized to emit from a facility located at
Lewiston, Idaho
in accordance with emission limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.
This permit shall become effective on March 1, 1976
This permit and the authorization to discharge shall expire at
midnight, March 1, 1981
Signed this day of

DIRECTOR

PART I

A. EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning March 1, 1976 and lasting through March 1, 1981 the permittee is authorized to discharge to the atmosphere within the limits and monitored by the permittee as specified below:

•				•		
EMISSION (CHVRACTERISTIC	EMISSION LIMITATIONS	MONITORIN	KG REQUIREME	<u>vts</u>	
Source	Contaminant	•	Measurement Frequency	Reporting Frequency	Sample Type	
Baghouse Stack	Total Suspended Particulate	1. Listed on pg. 32, Table VII-2, Regulation H (copy enclosed pg. 10)	No routine n	monitoring re	∍quired	13.3 19.0 2.1
		2. Regulations N and E, Idaho Rules and Regulations.			•	

^{2.} Samples taken in compliance with the monitoring requirements specified above shall be taken at or near maximum the operating rate of the process unless continuous samples are required.

PART I

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored emission.

2. Reporting

Monitoring and sampling results shall be summarized, reported, and postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on

Reports shall be submitted to the Department of Health and Welfare at the following address:

Department of Health & Welfare Air Pollution Control Statehouse Boise, Idaho 83720

3. Test Procedures

None

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact source, date, and operating rate at time of sampling;
- b. The analytical techniques or methods used; and
- c. The results of all required analyses.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required. Such increased frequency shall also be indicated.

6. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of two (2) years, or longer if requested by the Director.

C. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the emission limitations specified for discharges in accordance with the following schedule:

None

2. No later than 15 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Permit No. 0880-0008

PART II

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased emission of pollutants must be reported by submission of a new application or, if such changes will not violate the emission limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any emission limitation specified in this permit, the permittee shall provide the Administrator with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the emission and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying emission.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

PART II

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to air quality resulting from noncompliance with any emission limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying emission.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except where unavoidable to prevent loss of life or severe property damage. The permittee shall promptly notify the Administrator in writing of each such diversion or bypass.

6. Removed Substances

Solids, sludges, or other pollutants removed from or resulting from treatment or control of emissions shall be disposed of in compliance with all applicable rules and regulations governing air pollution control, water quality management, and solid waste management.

7. Control Equipment Failures

In order to maintain compliance with the emission limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative control system sufficient to control the facilities;

or, if no date for implementation for an alternate control system appears in Part I,

b. Halt, reduce or otherwise control production and/or emissions upon the reduction, loss, or failure of one or more of the primary control systems in order to maintain ambient air pollution levels below the standards and/or at such a level as to not be harmful to man, animals, or vegetation.

PART II

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director, and/or his authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an emissions source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any emission of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

3. Availability of Reports

Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of Environmental Services. Emission data shall not be considered confidential. Knowingly making false statement on any such report may result in the imposition of criminal penalties.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized emission.

PART II

5. Toxic Pollutants

Notwithstanding Part II, B-4, above, if a toxic emission or ambient standard or prohibition (including any schedule of compliance specified in such emission or ambient standard or prohibition) is established for a toxic pollutant which is present in the emission and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic emission or ambient standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and Control Equipment Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, with the provisions of this permit.

7. Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject.

8. Other Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable Federal, State, or local law or regulation.

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of 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.

PART III

OTHER REQUIREMENTS

- Plant fugitive dust emissions shall be kept at a minimum by keeping all duct work and process equipment in a state of good repair.
- 2. Yard area fugitive dust emissions shall be controlled by:
 - a. Paving, watering or oiling all traffic patterns, with the paved area maintained free of entrainable dust or dirt.
- 3. Any maintenance pertaining to the baghouse or other emission sources shall be recorded.
- 4. Dust control equipment shall be operated and maintained within the same operational parameters that existed at the time the plant was tested and found in compliance.
- 5. Copy of this permit shall be posted in the control room of the plant.

TABLE VII-2

ALLOWABLE RATE OF EMISSION BASED ON

PROCESS WEIGHT PATE*

	ss Weight Rate	Rate of Emission	Proce	ess Weight Rate	Rate of Emission
Lb/Hr	Tons/Hr	Lb/Hr	Lb/Hr	Tons/Hr	Lb/Hr
100	0.05	0.551	16,000	8.00	16.5
200	0.10	0.877	18,000	9.00	17.9
400	0.20	1.40	20,000	10.00	19.2
600	0.30	1.83	30,000	15.00	25.2
800	0.40	2.22	40,000	20.00	30.5
1,000	0.50	2.58	50,000	25.00	35.4
1,500	0.75	3.38	60,000	30.00	40.0
2,000	1.00	4.10	70,000	35.00	41.3
2,500	1.25	4.76	80,000	40.00	42.5
3,000	1.50	5.38	90,000	45.00	43.6
3,500	1.75	5.96	100,000	50.00	44.6
4,000	2.00	6.52	120,000	60.00	46.3
5,000	2.50	7.58	140,000	70.00	47.8
6,000	3.00	8.56	160,000	80.00	49.0
7,000	3.50	9.49	200,000	100.00	51.2
8,000	4.00	10.4	1,000,000	500.00	69.0
9,000	4.50	11.2	2,000,000	1,000.00	77.6
10,000	5.00	12.0	6,000,000	3,000.00	92.7
12,000	6.00	13.6		· .	

^{*}Interpolation of the data in this table for process weight rates up to 60,000 lb/hr shall be accomplished by use of the equation E = 4.10 p0.67, and interpolation and extrapolation of the data for process weight rates in excess of 60,000 lb/hr shall be accomplished by use of the equation:

E = 55.0 p0.11 - 40, where E = rate of emission in lb/hr andP = process weight rate in tons/hr.

THE P

FACILITY A MIT NO. 13-1260-0005

Page 1 of 21

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

FMC CORPORATION
Permittee, including affiliates, if any

Located at

Pocatello, Idaho

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued February 26, 1980

Expiration February 26, 1985

Miller & Klim

SOURCE PERMIT NO. 13-1260-0005-01

Page 2 of 21

	• .				
FMC CORPORATION		loca	ted near a	t Pocatello, Id	laho
is hereby granted	permission t	to operate the	following	g air pollution	• •
source or control	equipment;_	Enclosed shale	e crushing	operation and	
covered conveyi	ng system. E	Emissions cont	colled by	3 baghouses.	
				•	
					,
				-	
		, , , , , , , , , , , , , , , , , , ,			
Restrictions:					
	Emission racteristic	Emissio Limitati		Monitoring Requirements	
#1 Baghouse Pa	articulate	1.0 lb/		Stack test as	
#2 Baghouse Pa	articulate	2.0 lb/	'hr	Required by Operation and	
#3 Baghouse Pa	articulate	3.0 lb/		Maintenance Manual.	

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action shall be implemented in accordance with procedure established in the Operation and Maintenance Manual. However, exceeding 5% opacity shall not be deemed a violation of this Permit.

Validation (if different from Facility Permit)

Issured	
Expiration	

SOURCE	PERMIT	NO.	13-	126	0-	00	05-	02
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Page 3 of 21

FMC CORPORATION located n/e/ar AT POCATELLO, IDAHO
is hereby granted permission to operate the following air pollution
source or control equipment; #1 calciner and cooler. Emissions from
the calciner are controlled by two scrubbers in parallel; the emissions
from the first cooler section are controlled by a baffled settling
chamber and the exhaust gases are refed to the calciner as preheat air;
the second cooler is divided into two parts - emissions controlled by a
settling chamber and exhausted out a common stack.

Restrictions:

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	38.0 lb/hr	Stack Test as Required by
Scrubber	Particulate	38.0 lb/hr	Operation and Maintenance
Split Cooler Stack	Particulate	16.0 lb/hr	Manual
Cach	Particulate	16.0 lb/hr	

Conditions:

Validation (if different from Facility Permit)

Issured______Expiration_____

SOURCE PEI	RMIT NO.	13-126	0-0005-03
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Page 4 of 21

FMC CORPORATION located near at Pocatello, Idaho
is hereby granted permission to operate the following air pollution
source or control equipment; #2 calciner and cooler. Emissions from
the calciner are controlled by two scrubbers in parallel; the emissions
from the first cooler section are controlled by a baffled settling
chamber and the exhaust gases are refed to the calciner as preheat air;
the second cooler is divided into two parts - emissions controlled by
a baffled settling chamber and exhausted out two stacks, one for each
section.
Restrictions:

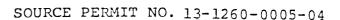
Emission Point Ch	Emission aracteristic	Emission Limitations	Monitoring Requirements
Scrubber #1	Particulate	38.0 lb/hr	Stack Test as
Scrubber # 2	Particulate	38.0 lb/hr	Required by Operation and
Cooler Stack #1	Particulate	36.0 lb/hr	Maintenance Manual.
Cooler Stack #2	Particulate	25.0 lb/hr	

Conditions:

Validation (if different from Facility Perm

Issured____

Expiration



Page 5 of 91

		•	rage 5 01 <u>21</u>
	•		
FMC CORPORAT:	ION	located neg	fat Pocatello, Idaho
is hereby gra	nted permission t	o operate the follow	ing air pollution
source or con	trol equipment; I	Reclaim area and tran	sfer of briquets
with emission	ns controlled by 2	2 baghouses.	
	_		
Restrictions:			
		• .	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
North Nodule Reclaim	Particulate	3.0 lb/hr	Stack Test as
South Nodule Reclaim	Particulate	3.0 lb/hr	Required by Operation and Maintenance Manual.

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action shall be implemented in accordance with procedure established in the Operation and Maintenance Manual. However, exceeding 5% opacity shall not be deemed a violation of this Permit.

Validation (if different from Facility Permit)

Issur	ed	 	
Expir	ation	 	

•	SOURCE PERMIT NO). <u>13-1260-0005-05</u>
•		Page 6 of <u>21</u>
FMC CORPORATION	located nex	<pre>pr at Pocatello, Idaho</pre>
is hereby granted permission to	operate the follow	ving air pollution
source or control equipment; Pro	portioning system	, including nodules and
silica, controlled by 3 baghouse	es (East and West	Nodule Baghouses and
Silo Baghouse).		
•		
Restrictions:		
Reserved to the second		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
East Nodule Particulate Baghouse	3.0 lb/hr	Stack Test as
West Nodule Particulate Baghouse	3.0 lb/hr	Required by Operation and
Silo Baghouse Particulate	3.0 lb/hr	Maintenance Manual
Conditions: When visible emissions from the action shall be implemented in a the Operation and Maintenance Ma shall not be deemed a violation	ccordance with pro nual. However.ex	ocedure established in

Issured_____Expiration____

Validation (if different from Facility Permit)

	•	SOURCE PERMIT N	0. 13-1260-0005-06
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	· • •		
FMC CORPORA	TION	located n/e	at Pocatello, Idaho
	anted permission to	_	
source or co	ntrol equipment; Fur	nace burdening sy	stem, controlled by
two baghouse	es on the four furnac	es.	
		•	
	 		
Restrictions	:	•	
	4 · · · · · · · · · · · · · · · · · · ·		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
#1 Burden Baghouse	Particulate	6.0 lb/hr	Stack Test as Required by
#2 Burden Baghouse	Particulate	6.0 lb/hr	Operation and Maintenance
•			Manual.
action shall the Operation	e emissions from a ba be implemented in a on and Maintenance Ma e deemed a violation	ccordance with pr nual. However, e	ocedures established in
	12	•	
Validation (:	if different from Fac	ility Permit)	

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SOURCE	PERMIT	NO.	13-1	12	60	-0	0	05	5-1	0.	7
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Authorizing Signature

Page 8 of 21

			2090
TVG GODDODAT	TON	7	
FMC CORPORAT	ION	located new	at Pocatello, Idaho
is hereby gra	anted permission to	operate the follow	wing air pollution
source or cor	ntrol equipment; Co	ke handling system	with emissions
controlled b	y a baghouse.		
#age construction of the second secon			
	·		
		·	
		•	
Restrictions:	MATTINE (1904) - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 19 I		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	3.0 lb/hr	Stack Test as Required by Operation and Maintenance Manual.
•			
Conditions: When visible	emissions from a ba	aghouse exceed 5%	opacity, corrective
the Operation	n and Maintenance Ma deemed a violation	anual. However. ex	ocedures established in sceeding 5% opacity
			•
Validation (i	f different from Fa	cility Permit)	
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Expirat	ion		-1

			(3)	
•	*		SOURCE PERMIT NO	13-1260-0005-08
•				Page 9 of 21
FMC CO	RPORATION	· · · · · ·	located new	c at Pocatello, Idaho
is hereby g	ranted permission	to op	erate the follow	ing air pollution
source or co	ontrol equipment;	#1 e	lectric arc furna	ce, with tapping
emissi	ons controlled by	2 Med	dusa scrubbers in	a crossover network
follow	ed by an Andersen	cont	rol system.	
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		, .		
Restrictions	=-	.*		
NOSCITOCION.				
-	mari a a s			
Emission Point	Emission Characteristic	٠,	Emission > Limitations	Monitoring Requirements
Andersen sy	stem Particulate		5.0 lb/hr	Stack Test as Required by Operation and Maintenance
				Manual.
:				
•			•	
Conditions:		the An	ndersen Control S	ustóm
action shall the Operation	e emissions from a l be implemented i	/ <i>/b/g/</i> g/h .n acc : Manu	oyse exceed 5% or ordance with prod al. However, exc	ystem bacity, corrective cedures established in ceeding 5% opacity
Validation (if different from	Faci:	lity Permit)	
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SOURCE	PERMIT	NO	13-1260-0005-09
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Page 10 of 21

FMC CORPORA	TION	located ne	At at Pocatello, Idaho
is hereby gr	ranted permission to	operate the follo	wing air pollution
source or co	ontrol equipment; #2	electric arc fur	nace, with tapping
emissions c	ontrolled by 2 Medusa	scrubbers in a	crossover network
followed by	an Andersen control	system.	
Restrictions	5:		
•			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Andersen sy	stem Particulate	5.0 lb/hr	Stack Test as Required by
			Operation and Maintenance
			Manual.
,		*	
action shall the Operation	emissions from a/ba	ccordance with pr nual. However, e	opacity, corrective ocedures established in
Validation (if different from Fac	cility Permit)	
Issure		• • •	
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SOURCE	PERMIT	NO.	13-1260-0005-10
2001/01		1101	T3 T500 0003 T0

Authorizing Signature

Page <u>ll</u> of <u>21</u>

• •	
FMC CORPORATION	located ///e/r at Pocatello, Idaho
is hereby granted permission to	operate the following air pollution
source or control equipment; #3	electric arc furnace, with tapping
emissions controlled by 2 Medus	a scrubbers in a crossover network
followed by an Andersen control	system.
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
Andersen system Particulate	5.0 lb/hr Stack Test as Required by Operation and Maintenance Manual.
When visible emissions from a/ba action shall be implemented in a	Andersen Control System Agriculty, corrective accordance with procedures established in anual. However, exceeding 5% opacity of this Permit.
Validation (if different from Fac	cility Permit)
Issured	
Expiration	

SOURCE PERMIT NO. 13-1260-0005-11

Page 12 of 21

FMC CORPORA	TION	located n/e/a	た <u>at Pocatello, Idaho</u>
is hereby gr	canted permission to	operate the follow	ing air pollution
source or co	ontrol equipment; #4	electric arc furna	ace, with tapping
emissions c	ontrolled by 2 Medus	a scrubbers in a cr	rossover network
followed by	an Andersen control	system.	
			. · · · · · · · · · · · · · · · · · · ·
Restrictions	:	:	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Andersen sys	stem Particulate	5.0 lb/hr	Stack Test as Required by Operation and Maintenance Manual.
action shall the Operation	e emissions from a/ba	accordance with pro anual. However, ex	pacity, corrective cedures established in
Validation (: \ Issure	if different from Fa	cility Permit)	
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SOURCE PERMIT	NO. 13-1260-0005-12
	Page 13 of 21 *
located m	ddd at Pocatello, Idaho
operate the foll	owing air pollution
st Disposal syste	em from FBD electrostation
subber.	•
	ger anning am the terroring and a state of the
	,
Emission Limitations	Monitoring Requirements
22.0 lb/hr	Stack Test as
	Required by Operation and Maintenance
. •	Manual.
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6	en e
	•
cility Permit)	
	located moperate the following the st Disposal system to be rubber. Emission Limitations

		S	OURCE PERMI	[T] NO. 13-1	260-0005-13	
•	•			Page _	14 of 21	•
		• ,		_		
FMC CORPORAT	ION		located	i nykytr <u>at Po</u>	ocatello, I	daho
is hereby gra	nted permissio	n to ope	rate the fo	ollowing air	pollution	*
source or con	trol equipment	; carbon	monoxide	flare pit -	used to co	ntro
	ide pressure i		. •			
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Restrictions:						
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Emission Point	Emission Characteristi		Emission Limitations		toring rements	
General provi	sions of the l	Rules and	Regulatio	ns for the (Control of	
Conditions:						
conditions:	•		• •			
•						
	i i					
Validation (if	different fro	om Facili	ty Permit)			

Issured_

Expiration_

Page 15 of 21

FMC CORPO	RATION		located	nyyr at Pocatel	lo, Idaho
is hereby	granted permi	ission to d	operate the fol	lowing air pollu	ition
source or	control equip	oment; P4	dock, with wet	wall electrosta	tic
precipitat	or to contro	l emission	s from rail loa	ding of phospho	cus.
	_				
	**************************************	,			
Restrictio	n s •				
	• • • • •				
Emission Point	Emissi Character		Emission Limitations	Monitoring Requirement	
Precipitat	or Particul	late	3.0 lb/hr	Stack Test Required by Operation a Maintenance Manual.	nd
		,			
Conditions	- :				
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	ation	The control of the co			
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SOURCE PERMIT NO. 13-1260-0005-15

Page 16 of 21 *

FMC CORPORATION	located /16/1/2 at Pocatello, Idaho
is hereby granted permission	to operate the following air pollution
source or control equipment;	Three boilers fired by natural gas with
distillate fuel oil as stand	by.
*	
· ·	
	Telement and a supplier of the
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
Sulfur limited in distillate of the Rules and Regulations	fuel grades as defined in Section 1-1354 for the Control of Air Pollution in Idaho.
Conditions:	
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Page <u>17</u> of <u>21</u>

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FMC CORPORA	TION	located n/g	dyr at Pocatello, Idaho
is hereby g	ranted permission to	operate the follo	wing air pollution
source or co	ontrol equipment; No	dule stockpiling l	ladders, controlled by
a baghouse.			· _
			·
Donate de la constitución de la			
Restrictions	5 :		
Emission	Emission	Emission	Monitoring
Point	Characteristic	Limitations	Requirements
Stockpile Baghouse	Particulate	2 0 31 /	• • • • • • • • • • • • • • • • • • •
bagnouse	Particulate	3.0 lb/hr	Stack Test as Required by
			Operation and
•		v e⁴	Maintenance Manual.
•		•	
Conditions:	omicaione from a b	and a second	
action shall	e emissions from a babbe be implemented in a	accordance with pro	ocedures established in
the Operatio	on and Maintenance Ma deemed a violation	mual. However. en	xcceding 5% opacity
· ·	decined a violation	or chis refuit.	
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Validation (if different from Fa	cility Permit)	•
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Expira	tion		

Page 18 of 21 *

FMC CORPORATION	located notyr at Pocatello, Idaho
is hereby granted permission to ope	erate the following air pollution
source or control equipment; All h	aul and access roads, parking areas,
and other areas with potential for	fugitive dust production.
Restrictions: Emission Emission	
	Emission Monitoring Limitations Requirements
Plant roads and parking areas. Fugitive Dust	See conditions Recording and below. Recording as required by Operation and Maintenance Manual.
a chemical suppressant in according the Operation and MaintenanceAll paved roads shall be maintanged sweeping or wet washing. The results of the control o	eined in a clean condition by wet removal of dust shall be accomplished tes established in the Operation and
Issurad	

Expiration_

Authorizing Signature

FACILITY PERMIT NO. <u>13-1260-0005</u> .

Page 19 of 21

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided in the Rules and Regulations 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 laws for the control of air pollution.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

Page 20 of 21 *

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

FACILITY PERMIT NO. 13-1260-0005

Page 21 of 21

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

Page 1 of 25

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

J. R. Simplot Company
Permittee, including affiliates, if any

Post Office Box 912
Located at

Pocatello, Idaho 83201

is hereby granted permission to operate the Air
Polition Source(s) and Control Equipment specified
herein provided the emission limitations, monitoring
requirements and other conditions set forth in the
Source Permit(s) are complied with.

Validation:

Issued <u>March 4, 1980</u>
Expiration <u>March 4, 1985</u>

Wilter Allen

		SOURCE PERMIT NO	13-1260-0006-01
			Page2 of25
J. R. Simp	lot Company	located nee	yt at Pocatello, Idaho
is hereby gr	anted permission to		
	ontrol equipment; 10	_	<u>-</u>
by cyclones	s followed by a high	efficiency scrubbe	er.
	,		•
		•	

:			
Restrictions	:		
•	,		
		•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	3.8 lb/hour	Stack Test as required by
•			Operation and Maintenance
			Manual
•			
Conditions:			
		•	•
Validation (if different from Fa	cility Permit)	
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J. R. Simpl	ot Company		located n/e	Ar at Pocatello,	Idaho
	anted permission t	o ope		•	
source or cor	ntrol equipment;	200 0	calciner with e	emissions contro	lled
by cyclones	followed by a hi	gh eff	iciency scrub	per.	
				•	
		. ,			
				Paris 1880 - Paris	
Restrictions:				-	
Emission Point	Emission Characteristic	· •	Emission Limitations	Monitoring Requirements	
Scrubber	Particulate		41.7 lb/hour	Stack Test as required by Operation and Maintenance Manual	
Conditions:					
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		Page 4 of 25
J. R. Simplot Company	located new	Pocatello, Idaho
is hereby granted permission	to operate the followi	ng air pollution
source or control equipment;_	300 calciner with emi	ssions controlled
cyclones followed by an elec	ctrostatic precipitato	r.
,		
Restrictions:		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Precipitator Particulate	51.0 lb/hour	Stack Test as Required by
		Operation and Maintenance Manual
Conditions:		• • • • • • • • • • • • • • • • • • •
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Validation (if different from	Facility Permit)	
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	Authorizing	Signature Signature

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	d	•		4	
J. R. Simplo	t Company		located ne	94 at Pocate	llo, Idaho
is hereby gra	anted permission	to opera	te the follo	wing air poll	ution
source or con	trol equipment;	Numbers	l and 4 roll	er mills with	ı emissions
controlled by	y a cyclone follo	owed by a	baghouse		
					•
	•				
					`
Restrictions:					
Emission Point	Emission Characteristic		nission nitations	Monitorin Requiremen	
Baghouse	Particulate	· · · · ·	5.6 lb/hour	Stack Tes Required Operation Maintenan Manual	by and
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Conditions:	and the same of th		•		
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action shall in the Operat shall not be	emissions from the implemented is ion and Maintens deemed a violation of different from	n accordance Manua	ance with product However permit.	ocedures esta	blished
Issured					•
Expirat	ion_	**************************************	S./.	11 1-10	6.
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•		SOURCE PERMIT NO	. 13-1260-0006-05
			Page 6 of 25
	· · · · · · · · · · · · · · · · · · ·		
J. R. Simplot	t Company	located nea	k at Pocatello, Idaho
is hereby gra	nted permission to	o operate the follow	ing air pollution
source or con	trol equipment; N	umber 2 roller mill	with emissions
controlled by			
			, .
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		and the second s	
			•
-			
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	1.8 lb/hour	Stack Test as
			Required by Operation and
			Maintenance
	,		Manual
	•		
		•	
action shall in the Operat	be implemented in	accordance with pro e Manual. However,	opacity, corrective cedures established exceeding 5% opacity
Validation (i:	f different for	rojijiho Damiji	
•	f different from F	actifity Permit)	•
Issured			•

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			Page <u>7</u> of <u>25</u>	
	4			
J. R. Simplot	Company	located neg	<u> at Pocatello, Id</u>	aho
is hereby gran	nted permission to d	operate the follow	ing air pollution	
source or con	trol equipment; Num	ber 5 roller mill	with emissions	
controlled by	a cyclone followed	by a baghouse		
				÷.
	-			
Restrictions:		•		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	
Baghouse	Particulate	12.0 lb/hour	Stack Test as Required by Operation and	٠
•			Maintenance Manual	
Conditions:				
action shall h in the Operati shall not be d	emissions from the boe implemented in action and Maintenance deemed a violation of different from Fac	cordance with prod Manual. However, of this permit.	cedures establishe	eđ.
Issured_				
Expirati	on	m/.//	2 170	
		Authorizing	y Signature	<u>)</u>

	•	Page 8 of 25	
J. R. Simplot Company	located nee	rat Pocatello, Idaho	<u> </u>
is hereby granted permission to op	erate the follow	ing air pollution	
source or control equipment; Number	per 6, 7, and 8 r	coller mills with	
emissions controlled by a cyclone	followed by a ba	ighouse	
		,	
	N.A.		
Restrictions:			
	· .		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements	
Baghouse Particulate	14.8 lb/hour	Stack Test as	
		Required by Operation and	
	•	Maintenance	
		Manual	
	.*		
Conditions:			
When visible emissions from the ba action shall be implemented in acc in the Operation and Maintenance M shall not be deemed a violation of	ordance with prod anual. However.	cedures established	,
Validation (if different from Faci	lity Permit)	· · · · · · · · · · · · · · · · · · ·	
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				Page 9	OI <u>25</u>
J. R. Sim	olot Company		located r	Medr at Poca	tello, Idaho
is hereby g	ranted permissio	n to oper	ate the foll	lowing air p	ollution
source or o	control equipment	; 200 pho	sphoric acid	d plant with	emissions
	by a scrubber.				
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en e	•				
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Restriction	· S :				
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Emission Point	. Emission Characteristi		Emission imitations	Monito: Requirer	
Scrubber	Particulate		8.8 lb/hour		
•				Require Operation Mainten Manual	on and
•					
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				•	•
Conditions:		•			
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Validation	(if different fro	om Facili	ty Permit)		
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SOURCE	PERMIT	NO.	13-1260-0006-09
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Page 10 of 25

		•		
J. R. Simplo	ot Company	located né,	4 <u>⊄ at Pocatello, Id</u>	aho
is hereby gra	anted permission	to operate the follow	wing air pollution	
source or cor	ntrol equipment;	300 phosphoric acid p	plant with emissions	s
		scrubber, and a ventur		
		. ·	MARTINIA MA	`
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	and the second s			м туу
			•	
Restrictions:				
•	3	·		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	. (
Packed bed	•		•	
Scrubber	Particulate	10.8 lb/hour from both	Simultaneous Stack Tests as	
Venturi Scrubber	Particulate	Stacks	Required by Operation and	
			Maintenance Manual	
			* * * * * * * * * * * * * * * * * * *	
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Conditions:				
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Validation (i	f different from	racility Permit)		
Effecti		-	•	
Expirat	ion		a .	į
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	SOURCE	r PERMIT	NO. 15 120	,0 0000 10	
			Page _	11 of 2	5
X.					
J. R. Simplot Company	Ţ	located n	Wat at Poc	atello, I	daho
is housely granted norminates					
is hereby granted permission					
source or control equipment;_	Ammonium s	ulfate d	rying and	cooling w	ith
emissions controlled by a cyc	clone for t	he dryer	and a cyc	lone for	the
cooler.					
					· .

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		<u> </u>	······································		
Restrictions:		•			٠.
ACCUTE CENTER					
	:				
Emission Emission Point Characteristic		sion ations		coring rements	
•			, –		
Dryer Cyclone Particulate		b/hour both		aneous Tests as	
Cooler Cyclone Particulate	stack		Requir		
		•	Mainte Manual	nance	•
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Conditions:					
Conditions:					
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Validation (if different from	Facility P	ermit)		<i>:</i>	
Effective					
Expiration			1	·	

J. R. Simplo	t Company	located near	at Pocatello, Idaho	>
is hereby gra	anted permission to	operate the following	ng air pollution	
source or con	trol equipment; 100) mono ammonium phos	phate plant;	
	ulator emissions are			,
followed by	a cyclonic scrubber	(#1), which is foll	owed with a fluorid	ie
scrubber; the	e dryer emissions ar	ce controlled by a v	venturi scrubber (#2	<u>.</u>
followed by	a cyclonic scrubber	(#2); dust emission	s from sizing scree	-ns
polishing sc	reens and product ha	andling are controll	ed by a baghouse.	
				711
				1
Restrictions:	ì			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	
Fluoride Scrubber	Particulate	25.8 lb/hour from all stacks	Simultaneous Stack Tests as	•
#2 Cyclonic Scrubber	Particulate		Required by Operation and	
Baghouse	Particulate		Maintenance Manual	•
			•	
Conditions:				
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Validation (i	f different from Fac	cility Permit)	•	
Effecti	ve			
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Page 12 of 25

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Page 13 of 25	Page	13	of	25	
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J. R. Simplot Com	pany	located n/e/a/r	at Pocatello, Idaho
is hereby granted p	permission to ope	erate the followi	ng air pollution
source or control e	quipment; Diamm	onium phosphate	reactor, granulator,
dryer and cooler.	Reactor and gr	anulator emission	ns are controlled
by a venturi scru	bber followed by	a cyclonic scrul	ober. Dryer emissions
are controlled by	a cyclone then	a venturi scrubb	er, next a cyclonic
scrubber that is	used in common w	ith the reactor	and granulator, then
a mist eliminator	. Cooler emissi	ons are controlle	ed by a cyclone, then
a baghouse.			
1			
	i dission acteristic	Emission Limitations	Monitoring Requirements
Dryer, Reactor & Granulator Scrubber Cooler Baghouse	Particulate Particulate	85.4 lb/hour from both Stacks	Simultaneous Stack Tests as Required by Operation and Maintenance Manual
Conditions:			
Validation (if diff	erent from Facil	ity Permit)	

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Authorizing Signature

Page 14 of 25

J. R. Simplot	t Company	located new	4/ at Pocatello, Ida	iho
is hereby gra	nted permission	to operate the follow	wing air pollution	
source or con	trol equipment;	Triple super phospha	te plant with dryer	.
emissions cor	ntrolled by a cy	clone followed by a c	yclonic scrubber,	
then a centri	ifield scrubber.	Dust emissions from	material handling	
equipment are	e controlled by	a baghouse.		, ,
		The state of the s	and horsely was a supplied to the supplied to	***************************************
			•	
Restrictions:				
			•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	. (
Centrifield Scrubber	Particulate	23.8 lb/hour from both	Simultaneous Stack Tests as	
Baghouse	Particulate	stacks	Required by Operation and	
		•	Maintenance Manual	
Conditions:				.*
Validation (if	f different from	Facility Permit)		
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		SOURCE PERMI	T NO. 13-	-1260-000	6-14
			Pag	e <u>15</u> (of <u>25</u>
x					
J. R. Simplot Company		located	nedrat	Pocatell	o, Idaho
is hereby granted permis	sion to ope	erate the fo	llowing	air poll	ution
source or control equipm	ent; Nitrat	e solutions	plant		
					,
					· * * · * · · · · · · · · · · · · · · ·
		:			
Restrictions:					
Emission Emissio		mari e di san			
Point Characteri		Emission Limitations		onitoring Juirement	
•				•	
General provisions of the Air Pollution in Idaho.	ne <u>Rules an</u>	d Regulation	s for th	e Contro	l of
					•
Conditions:					
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Validation (if different from Facility Permit)

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Expiration

Authorizing Signature

•			Page 18 of 25	
J. R. Sim	plot Company	located nea	Vr_at Pocatello, Id	
	granted permission to			ano
			ring air pollution	
source or	control equipment; Ni	tric Acid Plant		
				<u> </u>
	•			
	. ,			
Restriction				
Restriction	,			
•				
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	
Stack	NOx(expressed	3 pounds per	Continuous,	•
	as NO2)	ton of 100% acid produced	Stack Test as Required by	
•	Opacity	10%	Operation and Maintenance	
	•	•	Manual	
			•	
Conditions:				•
				•
This sourc	e is subject to new s	ource performance :	standards.	
		-		
Validation	(if different from Fa	cility Permitl	•	
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Expir	ration	7/1/7	120	

SOURCE PERMIT NO.

13-1260-0006-17

SOURCE	PERMIT	NO.	13-1260-0006-18

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							•	
J. R. Si	mplot Co	mpany		lo	cated	nye/a/r <u>a</u>	t Pocatel	lo, Idah
s hereby	granted	permission	to ope	erate t	he fol	lowing	air pollu	ntion
source or	control	equipment;	Ammo	nia Pla	nt			
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Restriction	ons:					·		
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Emission Point		Emission racteristic		Emiss: Limitat			onitoring quirement	
General p	rovision	s of the Ru	les and	d Regul	ations	for th	ne Control	 Lof
Air Pollu			· · · · · · · · · · · · · · · · · · ·	·			•	TOTAL CONTRACTOR OF THE STATE O
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conditions								
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alidation	(if dif	ferent from	Facil	ity Per	mit)			.
Effe	ctive		 					
Expi	ration							
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J. R. Simplot Company located red at is hereby granted permission to operate the following source or control equipment; Keeler Boiler fired by n distillate fuel oil as stand by.	air p	pollut	ion
is hereby granted permission to operate the following source or control equipment; Keeler Boiler fired by n	air p	pollut	ion
source or control equipment; Keeler Boiler fired by n	_		
	atura	l gas	with
distillate fuel oil as stand by.			,
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Restrictions:			
		,	
	Monito	oring ements	
Sulfur limitations for distillate fuel grades as defi 1-1354 of the <u>Rules and Regulations for the Control of Idaho</u> .	ned i	n Sec	tion ution
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	y.		
		-	* *
Conditions:			
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Expiration		_	.*
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Page 21 of 25

PART II GENERAL PROVISIONS

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided in the Rules and Regulations 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 laws for the control of air pollution.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

Page 22 of 25

- 2) at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- H The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

PART III FUGITIVE EMISSION CONTROL

The permittee shall reduce fugitive emissions from the following sources in accordance with the schedules below:

A. Ammonium Phosphate Plant

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment on or before July 1, 1980.

B. Calcining Building

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment on or before February 1, 1981.

C. Mill Building

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment in accordance with the following compliance schedule:

- 1) By March 1, 1981, submit a final emission control plan, including equipment design specifications and drawings for approval by the Department.
- 2) By June 1, 1981, let contracts or issue purchase orders for equipment necessary to control fugitive emissions in accordance with plans approved by the Department.
- 3) By June 1, 1982, initiate construction of control equipment.

Page <u>25</u> of <u>25</u>

- 4) By September 1, 1982, complete construction of control equipment.
- 5) By October 1, 1982, demonstrate compliance with the final control plan approved by the Department.

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Page 1 of 18

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

Idaho Portland Cement Company
Permittee, including affiliates, if any
Inkom, Idaho 83245
Located at

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

ulidation:

Issued 7/18/79

Expiration 7/17/84

Milli XIElen

•		SOURCE PERMIT NO.	13-0080-0004-01
	• •	P	age <u>2</u> of <u>18</u>
Idaho Portlan	d Comment Company	located at <u>I</u>	nkom, Idaho
is hereby gran	nted permission to	operate the followi	ng air pollution
source or con	trol equipment: Nu	mber 1 Allis Chalmer	s coal/gas fired
kiln controll	ed by a multiclone	system followed by	a Cottrell
electrostatio	precipitator.		:
Restrictions:			
	·		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Exhaust Stack	Particulate	See Part III	Stack Test as required by Operation and Maintenance Manua
Exhaust Stack	so ₂	Sulfur content of coal < 1%	
Conditions:			
•		•	
\			
Validation (i	E different from Fa	cility Permit)	
		•	
Issued _	and the second and prompting and the second and the		

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ESP

Expiration

		P	age <u>3</u> of _
Idaho Portlan	nd Cement Company	located at <u>Ink</u>	om. Idaho
		operate the followi	
4		mber 2 F.L. Smith co	
	•	system followed by	a Cottrell ele
precipitator	•		
White specimens in the second			

Restrictions:	The control of the co		
100.702 3.003 (7117)			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
xhaust Stack	Particulate	See Part III	Sťack Test a
		•	required by Operation an
		· · · · · · · · · · · · · · · · · · ·	Maintenance
xhaust Stack	so ₂	Sulfur content of coal < 1%	
			
		*.	z.
Conditions:			
		•	
;			

Issued

Expiration ____

SOURCE PERMIT NO. 13-0080-				13-0080-0004-03
		• •		Page 4 of 18
	Idaho Portla	nd Cement Company	located at <u>In</u>	kom, Idaho
	is hereby gra	nted permission to	operate the follow	ving air pollution
	source or con	trol equipment: No	. l Fuller cooler	controlled by
	a baghouse.			

	Restrictions:		•	
	Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Bagh	nouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manu
				•
٠	Conditions:		•	
	When a visible corrective ac	e emission from the tion is to be imple	baghouse exceeds	5% opacity
•	\ \ \			•
	Validation (i	f different from Vá	cility Permit)	
	Issued			
	•••	on	Mich	God Milling

			SOU	RCE PERMIT NO.	. 13-	0080-0004-04*	 ,
		•			Pa	ge <u>5</u> of <u>1</u>	8
	Idaho Portland	I Cement Company		located at In	kom,	Idaho	
		ted permission				' .	n
	source or cont	rol equipment:	Clinko	r elevator an	d si	lo storage	
		two baghouses.					_
							
	_				<u></u>		
		eminimi montangan daggira e dapatela dikira e 197 april o abel e sa dan salar asasan ()			<u></u>		
							-
	when the homeometric imprimitively a graph of the contract of	overdensing control of the second			··		navoir
	APPLICATION OF THE PARTY OF THE					· ·	-
> .							-
	Restrictions:		s				
							ز
	Emission Point	Emission Characteristic	•	Emission Limitations		Monitoring Requirements	
Elevato: Exhaust	r Baghouse	Particulate	,	0.10 Pounds per ton of material processed		Stack Test as required by Operation and Maintenance Ma	nnua)
Silo Bac	ghouse Exhaust	Particulate		0.10 Pounds per ton of material processed			
	Conditions:		7	• •			
	When a visible	emission from t ion is to be imp	the bac plement	house exceeds	5%	opacity	
•	\						
>	Validation (1f	different trom	Facil	(y Permit)			}
·	Issued	en e annual communicación de la company		<i></i>		, , , , , , , , , , , , , , , , , , , ,	
		n	 -	Me	1/2	TON HELL.	.)

•		SOURCE PERMIT NO.	13-0080-0004-05
	• ·		Page 6 of 18
Idaho Portlan	nd Comment Company	located at II	nkom, Idaho
is hereby gra	nted permission to	operate the follow	ing air pollution
source or con	trol equipment: #1	and #2 mill contro	olled by a baghouse.
	•		
And the state of t			
Restrictions:			
Reserve Crons.			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
aghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as required by Operation and Maintenance Manua
		•	
Conditions:		•	***
When a visibl	e emission from the tion is to be imple	baghouse exceeds !	5% opacity,
		•	
Ì			
Validation (i	F different from Pa	caility Pormith	
	A STANDARD CAREAGO PROPERTO PO	icirity rounity	
Issued _ Expirati	on		Arod Min

•		SOURCE PERMIT NO	. 13-0080-0004-96
	• .		Page 7 of 18
Idaho Portla	nd Coment Compa	any located at _	Inkom, Idaho
is hereby grant	ed permission	to operate the foll	owing air pollution
source or contr	ol equipment:	#3 Mill controlled	by a baghouse
Attitude de antico-custant con relación des figurados esta formada e algunyada con esta esta esta esta esta esta esta esta	To the same allowed control the latter pay and () to () to () builting allowed (1) to other		
	agaidh, agus d'Ardainn agus agus agus agus an agus agus agus agus agus agus agus agus		
Restrictions:	enegarine de la company de		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as re- quired by Operatic and Maintenance Manual
Conditions:			•
When visible emi action is to be	ssions from the implemented.	e baghouse exceed 5	% opacity, corrective
		•	
Ž.			
Validation (if	different from	Facility Permit)	
Issued)
Expiration			Mod Hilling
		- fre	10 may 2 1 1 2 2 2

	SOURCE PERMIT NO.	13-0080-0004-07 -
		Page <u>8</u> of <u>18</u>
Idaho Portland Coment Company	located at I	nkom, Idaho
is hereby granted permission to	operate the follow	ving air pollution
source or control equipment: Co.	ment transfer to b	ulk loadout storage
controlled by a baghouse		
	and the contract of the contra	- And Annual Control of the Control
•		
	•	
Restrictions:		
Emission Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust Particulate	0.10 Pounds per ton of	Stack Test as required by
	material processed	Operation and Maintenance Manua
		•
Conditions:		
When visible emissions from the baction is to be implemented.	paghouse exceed 5%	opacity, corrective
	•	
Validation (if different from Fa	cility Pormit)	· · · · · · · · · · · · · · · · · · ·
Issued		

Expiration

SO	URCE PERMIT NO. 13-0080-0004-08
•	Page 9 of 18
Idaho Portland Coment Company	located at Inkom, Idaho
is hereby granted permission to op	erate the following air pollution
source or control equipment: Bul	k loading area baghouse
enterior to the community of the control of the con	
-	
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
Baghouse Exhaust Particulate	0.10 Pounds Stack Test as reper ton of quired by Operation and Maintenance Management of the processed ual
Conditions:	
when visible emissions from the bag action is to be implemented.	shouse exceed 5% opacity, corrective
	•
Validation (if different from Faci.	lity Permit)
Issued	
Expiration	Million .

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$PART = \hat{f}$

•	S	OURCE PERMIT NO.	13-0080-0004-09
	••		Page _10 of 18
Idaho Portla	and Coment Company	located at In	kom, Idaho
	unted permission to o		
source or cor	itrol equipment: Cem	ent storage silos	s controlled by a
baghouse			
	Philosophical Community of Community and the state of the		
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	The state of the s		
	and the second of the second o		
the state of the s		3	
* Militarian Miranian again angganga apaganan ang rasaranan			
Restrictions:	·		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse Exhaust	Particulate	0.10 Pounds per ton of material processed	Stack Test as requi by Operation and Maintenance Manual
		•	
Conditions:			
When visible action is to	omissions from the ba be implemented.	ghouse exceed 5%	opacity, corrective
\			
Validation (i	f different irem Par	ility Permit)	
Torred		<i></i>	

Expiration _

•	S	OURCE PERMIT NO.	13-0030-0004-10
	• ,		Page <u>11</u> of <u>18</u>
Idaho Portla	ind Cement Company	located at In	ikom, Idaho
is hereby grad	nted permission to o	perate the follow	wing air pollution
source or con-	trol equipment: Pa	ckhouse and packa	ging operation
controlled by		and the second s	
##PPP-specifical engineering the specific specif		· · · · · · · · · · · · · · · · · · ·	
		The state of the s	
475-banks 2007-75-bi	lando un organismo no mago i menosistano sociones e e e e e e e e e e e e e e e e e e	·	

Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
house Exhaust	Particulate	0.10 Pounds	Stack Test as re
		per ton of	quired by Operat
		material processed	and Maintenance Manual
	•		
· ,			
Conditions:		•	1 3 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
When visible of	missions exceed 5% o ion is to be impleme	pacity from the l	baghouse,
· · · · · · · · · · · · · · · · · · ·			

Issued

Expiration _____

•		SOURC	CE PERMIT N	O. <u>13-0</u>	080-0004-	11
•				Page	<u>12</u> of	18
Idaho Portl	and Coment Compa	ny l	ocated at	Inkom,	Idaho	
is hereby gran	nted permission t	o opera	ite the fol	lowing a	ir pollut	ion
source or cont	trol equipment: 1	Raw Mat	erial crus	hing, sc	rcening ar	nd_
transfer to st	orage silos.					
**************************************			44-44-44-44-44-44-44-44-44-44-44-44-44-			
	,	ari gamanani (a				
		4			•	
						*
Restrictions:						
				•		
Emission Point	Emission Characteristic		Emission imitations		onitoring quirement	s
Crusher, Screens and Conveyors	Particulate		Compliance and 1-1252 Regulation Air Pollut	of the sign of the	Rules and e Control	
	•				·	•
Conditions:		r,		and the		
CORGE CLOTTS		.*				
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15.1 (2.1.2)		*:				
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Issued						

Expiration ___

•		SOURCE PERMIT NO.	13-0080-0004-12
	- .		Page <u>13</u> of <u>1</u>
Idaho Portlan	d Cement Company	located at Ir	nkom, Idaho
is hereby gran	ted permission to	o operate the folic	owing air pollution
source or cont	rol equipment: 1	Railcar clinker rec	ceiving area (botto
dump unloading	hopper and conve	eying).	
	The second secon	,	
	,		
	e de la récommendad de la companya d	g plake to transceromina kamililikulusus – metrishter, qoʻqi alittin qoʻr qar — esequining — 29-48 qoʻ	
Restrictions:			
Restrictions:			
•,	Emission Characteristic	Emission Limitations	Monitoring Requirements
ip Area Conveyii	ng Particulate	and 1-1252 Regulations	with section 1-125 of the <u>Rules and</u> for the <u>Control</u> of on In Idaho.
	•	•	
		,	
Conditions:		e e .	
Conditions:			
Conditions:		•	
Conditions:		•	
		•	
	different from t	Pacility Pormit)	

•	•	SOURCE PERMIT NO. 13-0080-0004-13
	-	Page 14 of 18
Idah	o Portland Coment	Co. located at Inkom, Idaho
is hereby gran	nted permission to	operate the following air pollution
source or cont	rol equipment: <u>C</u>	oal receiving and storage area
(bottom dump c	oal hopper, transf	er and storage).
Restrictions:		
Emission Point	Emission Characteristic	Emission Monitoring Limitations Requirements
Dump area, Conveying and Storage	Particulate	Compliance with sections 1-1251 and 1-1252 of the Rules and Regulations for the Control of Air Pollution in Idaho.
	•	
Conditions:		
Conditions:		
1.		
Validation (if	different from Fa	cility Pormit)
Expiratio		M. Atol Klin

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- at reasonable times to have access to and copy
 any records required to be kept under the terms
 and conditions of this permit; to inspect any
 monitoring equipment or monitoring method required
 in this permit, and to sample any emission of
 pollutants.
- Except for data determined to be confidential under section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit shall be construed to preclude institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable federal, state, or local law or regulation.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

- 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.
- Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information required by the Director to assess the air pollution impact of the equipment for which the permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- I The Department may require the permittee to develop an Operational and Maintenance Manual which must be approved by the Director. Such Manual shall become a part of this permit by reference, and failure to comply with the terms of the Manual shall constitute a violation of this permit.
- J The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to conducting any compliance tests required pursuant to this permit. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

PART III

EMISSION LIMITATIONS

FACILITY PERMIT NO. 13-0080-0004-00

Page 18 of 18

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

 $E = .045 (PW)^{0.60}$

If PW is equal to or greater than 17,000 pounds per hour,

 $E = 1.12 (PW)^{0.27}$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.

2. Allowable Grain Loading Rate (Effective January 1, 1981)

A person shall not discharge into the atmosphere from any source, particulate matter in excess of the concentration shown by the following equation:

 $c = 3.0 (v)^{-.35}$

Where C is the allowable concentration in grains per standard dry cubic foot of effluent gas and V is the volume of the effluent gas in standard dry cubic feet per minute.

Page 1 of 8

K.1

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

J. R. 51	mplot	Comp	any			
Permittee,	inclu	ding	affi]	liates	, if	any
					•	
•,						
Located at						
Com do T	-d-b-	0222				
Conda, I	.dano	0323	<u>U</u>			

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

alidation:

Issued <u>7/18/79</u>
Expiration 7/17/84

Miller & Klew

		SOURCE PERMIT NO.	13-0420-0021-01
			Page 2 of 8
J. R. Simplot	Company	located at C	onda, Idaho
is hereby gran	nted permission t	o operate the follow	ring air pollution
source or cont	rol equipment: I	Phosphate ore dryer,	emissons con-
		py 4 higher efficien	
parallel.			07 07 01 011 01
Accompanie de Maria (Alla Arra de Arra			Proceedings and Management of Apple and the control of Apple and the control of Apple and Apple
		the state of the s	
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Dryer Exhaust	Particulate	See Part IV	Stack Test as
			Required by Operation and
			Maintenance Manu
			*
a 34			
Conditions:			
to the dryer.	Total actual emis	ount, in pounds per ssions are calculate	d hy adding the
emizzionz from	the above source	(s). This condition	hecomes offorting
Validation (if	different from B	Facility Permit)	

Effective <u>11/30/81</u>

Expiration ____

		SOURCE PERMIT NO.	13-0420-0021-02
			Page 3 of 8
J. R. Simplot	Company	located at Cor	
		to operate the follow	
	-		-
	ntrol equipment:	Calciner with emission	ons controlled by
a scrubber.			
· ·			Politic Profile quarter (1994 Politic State Control of
	the second decreased with the second		
		The second of th	
Restrictions	:	•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack Test as Required by Operation and
			Maintenance Manu
Conditions:			
to the calcine	weight is that a er. Total actual from the above s	mount, in pounds per l emissions are calcula ource (s).	nour, being fed ated by adding
Validation (i	f different from	Facility Permit)	
Issued _		·	
Expirati	.on	Tel Me	() () () () ()

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant identified in this permit in excess of that authorized, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided by breakdowns as defined in the Rules and Regulations 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 laws.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

PART III

SOURCE	PERMIT	NO.	13-	0420-002	
	Page _	7	of	8	

Compliance Schedule for Conda Calciner operated by J. R. Simplot Company.

1.	Complete Feasibility Study	July 31, 1980
2.	Complete Preliminary Engineering	October 31, 1980
3.	Engineering Completed	March 31, 1981
4.	Order Equipment	April 30, 1981
5.	Begin Construction	June 30, 1981
6.	Complete Construction and Prove Compliance	November 30, 1981

PART III EMISSION LIMITATIONS

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

 $E = .045 (PW)^{0.60}$

If PW is equal to or greater than 17,000 pounds per hour,

 $E = 1.12 (PW)^{0.27}$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour. K.2

Page 1 of 19

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

Beker Industries
Permittee, including affiliates, if any

Post Office Box 37
Located at

Conda, Idaho 83230

is hereby granted permission to operate the Air Pollution Source(s) and Control Equipment specified herein provided the emission limitations, monitoring requirements and other conditions set forth in the Source Permit(s) are complied with.

alidation:

Expiration 7/17/84

Miller A Clem

		SOURCE PERMIT NO.	13-0420-0003-01
			Page 2 of 19
Beker Indust	ries	located at Con	da, Idaho
is hereby gr	anted permission to	operate the follow	ing air pollution
source or co	ntrol equipment: Ber	neficiation with a	vertical dryer
	ns controlled by a cy	Actone tollowed by	a cyclonic spray
scrubber.			
Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack Test as Required By Operation and Maintenance Manu
Conditions:			
to the dryer.	weight is that amount Total actual emiss on the above source(s)	ions are calculated	our, being fed by adding the
Validation (if different from Fac	gility Pormit)	
	LL GILLOICHE LION PAC	orrecy resumes,	
Issued		C11.0	
Expirati	ion	Milletta	of then

			sou	RCE PERMI	ON TI	13-0420	<u>-0003-0</u>	2
						Page 3	of	19
Beker Indus	stries			located	at C	onda, Ida	aho	
is hereby	granted	permission	to ope	rate the	follow	wing air	polluti	ion
source or	control (equipment:	North	Calciner	with	emissions	contr	olled
by 3 cyclon	es follo	wed by a v	enturi	scrubber				

				Notes the second	<u></u>			
Restriction	ns:							
Emission Point		Emission cacteristic	:	Emissic Limitati			toring rements	;
Scrubber	Pa	rticulate		See Part	: III	Requi Opera	Test a red by tion an enance	ıd
Conditions:	1							
Total proces to the calci emissions fr	ner. To	rai actuai	emissi	in pound ons are	s per calcul	hour, bea	ing fed adding	the
Validation	(if diff	erent from	ı Facili	ty Permi	t)			
Issued	L							
Expira	tion	P-1600		M.	et n	104/10	ica) ;

	,	SOURCE PERMIT NO.	13-0420-0003-03
			Page <u>4</u> of <u>19</u>
Beker Indust	ries	located at _Co	nda, Idaho
is hereby gr	ranted permission to	operate the follow	ing air pollution
	ontrol equipment: #3	calciner with emis	sion controlled
	* *		
Dy 2 Cyclone	s followed by a ventu	ri scrubber.	tracers with the annual sequence we would be a sequence of the
algebrasses and the second		**************************************	
	p the same of the		
Restrictions			
Restrictions) .		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack Test as Required by Operation and Maintenance Manu
			• .
Conditions:		•	
co carciner.	weight is that amount Total actual emission m the above source(s)	ns are calculated	our, being fed to by adding the
Validation (if different from Fac	cility Permit)	
Issued		2	
Expirat	ion	Miller	A Telen

		SOURCE PERMIT NO.	13-0420-0003-04
			Page <u>5</u> of <u>19</u>
Beker Industr	ies	located atC	Conda, Idaho
is hereby gra	anted permission to	operate the follow	ing air pollution
source or con	trol equipment: Sou	th Calciner with e	emissions controlle
by 3 cyclones	followed by a ventu	ıri scrubber.	
- Asserting Street, Control of the C	.a.u.a.u.a.u.a.u.a.u.a.u.a.u.a.u.a.u.a.		
Age construction of the second		**************************************	
	and the second s		

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Restrictions:		•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulates	See Part III	Stack Test as Required by Operation and Maintenance Man
Conditions:		·	
to the calcine	weight is that amouser. Total actual emote the above source(s	issions are calcula	hour, being fed ated by adding the
Validation (i	f different from Fac	cility Permit)	
Issued		en e	
Expirati	on	Chil V	Tol Men

		sou	RCE PERM	IT NO.	13-0420	-0003-	05
					Page 6	of	<u> 19</u>
Beker Industries			located	at	Conda, I	daho	
is hereby granted	l permission	to ope	rate the	follo	wing air	pollut	ion
source or control	equipment:	North	storage	bin em	issions	contro	lled
by a baghouse.							
				,			
		4					
	· · · · · · · · · · · · · · · · · · ·						
Restrictions:							
Emission Point Ch	Emission aracteristic		Emissic Limitati			itoring irement	
Baghouse F	Particulate		0.10 por per ton material to the s age bin.	of L fed stor-	Requi Opera	<pre>C Test ired by ation a cenance</pre>	nd
Conditions:							
When visible emiss action is to be im	ions from th	e bagho	ouse exce	ed 5%	opacity,	corre	ctive
Validation (if di	fferent from	Facili	ity Permi	.t)			
Issued			_	,4			
Expiration _				With	TOV 1	·	N

		SOURCE PERMIT NO. 1	3-0420-0003-06
		I	Page <u>7</u> of <u>19</u>
Beker Industr	ies	located at _Co	nda, Idaho
is hereby gra	anted permission to	operate the follows	ing air pollution
source or con	ntrol equipment: Non	rth ball mill with	emissions controll
by a baghouse			
A STATE OF THE STA			

<u> </u>			
AND 100 100 100 100 100 100 100 100 100 10			
			· · · · · · · · · · · · · · · · · · ·
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	0.10.00	G1 - 1 - m
Daga.c	rarcicatace	0.10 Pounds per ton of	Stack Test as Required by
		material fed to the ball	Operation and Maintenance Man
		mill.	
Conditions:			
When visible e	missions from the ba	aghouse exceed 5% o	pacity,
corrective act.	ion is to be impleme	ented.	
Walidation /i	f different from Fa	cility Darmit)	
Issued	r different from 14	CITICA LETHICA	

Expiration

		SOURCE PERMIT NO.]	L3-0420-0003-07
			Page <u>8</u> of <u>1</u> 9
Beker Indust	ries	located at _Co	onda, Idaho
is hereby gr	anted permission to	operate the follow	ing air pollution
source or co	ntrol equipment: Sou	ith storage area em	aissions occurring
during storage	ge of ore materials a	are controlled by a	baghouse.
• · · · · · · · · · · · · · · · · · · ·			
Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulates	0.10 PPT1	Stack Test as Required by Operation and Maintenance Man
		•	
		•	
Conditions:			
When visible corrective ac	emissions from the bation is to be impleme	aghouse exceed 5% o	opacity,
PT ¹ - Pounds	per ton of material	processed.	
Validation (i	if different from Fac	cility Permit)	
Issued			a
Expirati	ion	Mili	To Allen

SOURCE PERMIT NO. 13-0420-0003-08

			Page 9 of 19
Beker Indu	stries	located at _Co	onda, Idaho
is hereby	granted permission to	operate the follow	uing air pollution
source or	control equipment: Gri	nding operation (s	south ball mill)
	from emission point 07		
baghouses.			
yaagatay aan maanaan kan maanaa kan ka			
	u sa Menna da najyaya na ana ana anna anna anna da da Mariana anna ang anna da da Marian ang Parlama an Amerika		,

	Processed Market Control of Processed Theory and Control of	***************************************	
Restrictio	ons:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
7			
Baghouse	Particulate	0.10 PPT1	Stack Test as Required by
			Operation and Maintenance Ma
Baghouse	Particulate	0.10 PPT1	
Conditions			
Conditions	•	-	
When visibl corrective	e emissions from the ba action is to be impleme	ghouse exceed 5%	opacity,
	_		
PPT ¹ - Pound	ds per ton of material	processed.	
Validation	(if different from Fac	cility Permit)	
Issue	đ		
Expir	ation	- ON M	A/Clin
		W/LOM	2 V /

		SOURCE PERMIT NO.	13-0420-0003-09
			Page <u>10</u> of <u>19</u>
Beker In	dustries	located at Co	nda, Idaho
is hereby g	ranted permission to	operate the follow	ing air pollution
source or c	ontrol equipment: Pro	oduction of phospho	ric acid in-
cluding	digester and filtration	on systems, with em	issions controlled
	lonic spray scrubber.		<u> </u>
			4 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -
and the state of t			**************************************
			The state of the s
Restriction	C.		
Rescriction.			
	Tanàna tao	Tari a a i a u	Marie III marifus
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack Test as Required by Operation and Maintenance Man
Conditions:			
to the diges	s weight is that amount tor. Total actual emi s from the above source	issions are calcula	our, being fed ted by adding
Validation	(if different from Fac	cility Permit)	
Issued			
Expirat	tion	CMM	De Maller

		SOURCE PERMIT NO.	13-0420-0003-10
			Page <u>11</u> of <u>19</u>
Beker Industri	es	located at Co	ond a, Idaho
is hereby gran	nted permission to	o operate the follow	ing air pollution
source or cont	crol equipment: D	iammonium phosphate	production:
Reactor, granul	ator and cooler a	re controlled by an	ammonia scrubber
		. All scrubbers exh	
common stack.			
		•	
- And Andrews Angles Angles and A			His days a second decision and the second decision and
aran and an annual management of the second and an an analysis of the second and an annual second and an annual second and an analysis of the second analysis of the second and an analysis of the second and an analysis of the second and an analysis of the second analysis of th			an-minus-distribusional della rapide i resemblication della rapida della resemblication della resemblication d
Angle of photos or getting about the control of the	energia de la companio de la computaçõe de	, — 1 mm/y 1	
Restrictions:		999-yan ilika roomaan 1998-yan ka sa	The Control of States and Advance of Antonia States that the Antonia Antonia Antonia Antonia Antonia Antonia A
			•
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Common Stack	Particulate	See Part III	Stack Test as Required by Operation and Maintenance Mar
Conditions:			
to the reactor.	eight is that amo Total actual em the above source(ount, in pounds per dissions are calcula (s).	hour, being fed ted by adding the
Validation (if	different from E	Facility Permit)	
Issued			
Expiratio		Chall le	1-1/1/2:)

		SOURCE PERMIT NO.	13-0420-0003-11
			Page 12 of 19
Beker Ind	lustries	located at Co	nda, Idaho
is hereby gr	anted permission to	o operate the follow	ving air pollution
source or co	ntrol equipment: _	West Sulfuric Acid	Plant.
,			
Restrictions	:		
		·	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Stack	so ₂	27.0 PPT ¹ or 1125 pounds of SO ₂ per hour.	Continuous - Stack Test as Required by Operation and Maintenance Man
	H ₂ SO ₄ Mist	0.50 Pounds per to of 100% sulfuric acid produced.	n Stack Test as Required by Operation and Maintenance Man
Conditions:			
ppml - pounda	. mam. hav. a.5. 1000		•
rei Pounds	per ton of 100% ed	guivalent acid produ	ced.
· -			
Validation (if different from R	Facility Permit)	
Issued			2.
Expirat	ion	Melto	1 A Then
			• •

		SOURCE PERMIT NO.	13-0420-0003-12
		,	Page <u>13</u> of <u>19</u>
Beker Indus	stries	located at Co	onda, Idaho
is hereby gra	anted permission d	to operate the follow	ing air pollution
source or cor	ntrol equipment:	East sulfuric acid p	lant.
Angeling on west can invest a surround of the state of th			
			The second secon
	an ann an		

		and the second of the second o	
Restrictions:	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Stack	SO ₂	4.0 PPT1 or not to exceed 504 pounds of SO2 per 3 hour period.	Continuous - Stack Test as Required by Operation and Maintenance Manua
	H ₂ SO ₄ Mist	0.15 Pounds per ton of 100% sulfuric acid produced.	Stack Test as Required by Operation and Maintenance Manua
Conditions:			
1) This source	ce is required to	meet new source perfo	ormance standards.
		o exceed 10% opacity.	
PPT ^l - Pounds	per ton of equiva	lent 100% acid produc	ed.
Validation (i	f different from	Facility Permit)	
Issued _			•
Expirati		Mille	Tol Thein
			* *

	SOURCE PERMIT NO. <u>13-0420-0003-13</u>
	Page <u>14</u> of <u>19</u>
Beker Industries	located at Conda, Idaho
is hereby granted permission	to operate the following air pollution
source or control equipment:	Ammonia Plant
· · · · · · · · · · · · · · · · · · ·	
Restrictions:	
Restrictions.	
Emission Emission	Emission Monitoring
Emission Emission Point Characteristic	
General Provisions of the Rule of Air Pollution in Idaho	s and Regulations for the Control
or mil rollation in idano	
Conditions:	
Validation (if different from	Facility Permit)
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	Colle - dalle
Expiration	- Militar of Tillin

		SOURCE PERMIT NO.	13-0420-0003-14
		. 1	Page <u>15</u> of <u>19</u>
Beker Indust	cies	located at Con	ida, Idaho
is hereby gr	anted permission to	operate the follow:	ing air pollution
source or co	ntrol equipment: Ben	eficiation buildin	g with baghouse.
ega garaga digita da sana da s			***************************************
	<u>.</u>	·	
**************************************			·
Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	0.10 Pounds per ton of material processed.	Stack Test as Required by Operation and Maintenance Mar
Conditions:		•	
When visible ecorrective act	emissions from the ba	aghouse exceed 5% o	pacity,
Validation (i	f different from Fac	cility Permit)	
Issued			
° Expirati	on	Mille	a A Telen

Page 16 of 19

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- The permittee shall at all times (except as provided in the Rules and Regulations 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 laws for the control of air pollution.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

Page 18 of 19

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- H The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

Page 19 of 19

PART III EMISSION LIMITATIONS

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

 $E = .045 (PW)^{0.60}$

If PW is equal to or greater than 17,000 pounds per hour,

 $E = 1.12 (PW)^{0.27}$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour. K.3

Page 1 of 15

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

Monsanto Company
Permittee, including affiliates, if any

Post Office Box 816 Located at

Soda Springs, Idaho 83276

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

alidation:

Issued <u>7/18/79</u>

Expiration 7/17/84

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	SOURCE PERMIT NO.	13-0420-0001-01
		Page 2 of <u>15</u>
Monsanto Corporation	located at _S	oda Springs, Idaho
is hereby granted permission to		
source or control equipment: Na	tural gas fired b	oiler with distilla
fuel oil for standby.		
•		
	. 4.4. (1994) - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994	
Restrictions:		·
Nestric Crons.		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Sulfur limitations for distillate	fuel grades as d	lefined in
section 1-1354 of the <u>Rules and F</u> Air Pollution in Idaho	regulations for th	e Control of
Conditions:		
Validation (if different from Fa	cility Permit)	
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	SOURCE PERMIT NO. 1	3-0420-0001-02
	:	Page <u>3</u> of <u>15</u>
Monsanto Corporation	located at _Sc	oda Springs, Idaho
is hereby granted permission to	operate the follow.	ing air pollution
source or control equipment: Pho	osphate ore noduliz	ing kiln and
cooler; both points are controlled	ed by separate spra	y towers.
	101 min 5 min 101 min	
	en e	
	1200	
Restrictions:		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Nodulizing Kiln Particulate Spray Tower	See Part III	Stack Tests as Required by
Cooler Spray Particulate Fower		Operation and Maintenance Manu
Conditions:		
Total process weight is that amount to the nodulizing kiln. Total act adding the emissions from the abor	tual emissions are	nour, being fed calculated by
Validation (if different from Fac	cility Permit)	
Issued		2
Expiration	Mille	to Allien

		SOURCE PERMIT NO.	13-0420-0001-03
			Page <u>4</u> of <u>15</u>
Monsanto Cor	poration	located at Soc	da Springs, Idaho
is hereby g	ranted permission to	operate the follow	ing air pollution
source or co	ontrol equipment: Ci	cushing and screeni	ng with emissions
	oy a venturi scrubber.		
Concrotted	y a vencuii scrubber.	•	
· · · · · · · · · · · · · · · · · · ·			

Restrictions	5:		
	•		
Emission	Emission	Emission	Monitoring
Point	Characteristic	Limitations	Requirements
Venturi Scrubber	Particulate	See Part III	Stack Test as
		bee rait iff	Required by
			Operation and Maintenance Man
,			
Conditions:			
to the crushi	s weight is that amounting and screening open y adding the emissions	ration. Total acti	ial emissions are
		o. III om one above se	Juice (3).
Validation	(if different from Fa	cility Permit)	
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Expirat	ion	Milli	Tol Klin
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			SOURCE PERMIT NO.	13-0420-0001-04
				Page <u>5</u> of <u>15</u>
	Monsant	o Corporation	located at Soc	da Springs, Idaho
	is hereby	granted permission to	o operate the follow	wing air pollution
	course or	control equipment: (Toke and quartaito	andling and store
•				randing and Scorage
W	remissio	ns controlled by 4 l	oagnouses	
			Provident and the state of the	
		A MARKET		
	Restriction	ns:		
*	PPT means p	pounds per ton of mat	erial processed in	this operation
	Emission	Emission	Emission	Monitoring
	Point	Characteristic	Limitations	Requirements
	handling ouse	Particulate	0.10 PPT*	Stack test as required by Operation
	tzite hand- Baghouse	- Particulate	0.10 PPT*	& Maintenance Manu
Coke Bagh	Bunker ouse	Particulate	0.10 PPT*	
	Conveyor ouse Conditions:		0.10 PPT*	
W	hen visible	e emissions from the action is to be imple	baghouse exceed 5% mented.	opacity,
*]	PPT - Pound	s per ton of materia	l input	
		(if different from E	-	

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		SOURCE PERMIT NO.	13-0420-0001-05
			Page <u>6</u> of <u>15</u>
Monsanta Cor	poration	located at Soc	da Springs, Idaho
is hereby g	ranted permission t	o operate the follow	ring air pollution
source or co	ontrol equipment:	Coke dryer and quar	rtz dryer with
emissions co	ntrolled by a scrub	ber.	
		· ·	
gapen separat de carrer com esta esta esta esta en est			
			· ·
Restrictions	S:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	Part III	Stack Tests as Required by Operation and Maintenance Manu
Conditions:			
the dryer. 1	weight is that amo otal actual emission the above source	ount, in pounds per ons are calculated by (s).	hour, being fed to y adding the
Validation (if different from I	Facility Permit)	
Issued			1. 1.10.
Expirat	ion	Mil	Tol Klein

	:	SOURCE PERMIT NO.	13-0420-0001-06
		I	Page _ 7 _ of15
Monsanto Corr	poration	located at Sod	a Springs, Idaho
is hereby gr	anted permission to	operate the followi	ng air pollution
source or co	ntrol equipment: Pro	portioning of phos	phate ore, coke and
quartzite and	d stocking area over	furnaces. Scale r	oom transfer points
	ed by a scrubber. St		· · · · · · · · · · · · · · · · · · ·
accordance wi	th the schedule in P	art IV.	
		1944-bil 1974-bil 1986-bil 1986-bil 1984-bil 1984-bil 1984-bil 1984-bil 1984-bil 1984-bil 1984-bil 1984-bil 19	
and an analysis of the state of			
<u> </u>		,	
49.132.202.00.00.00.00.00.00.00.00.00.00.00.0	AND THE RESIDENCE OF THE PERSON OF THE PERSO		
		annan kara 1948 Paliperrayan karan dan dan dan dan dan dan dan dan dan d	
Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scale Room Fransfer Poin	+		
Scrubber	Particulate	0.10 Pounds	Stack Test as
		per ton of material	Required by Operation and
		processed.	Maintenance Manu
9 - 141			
Conditions:			
Validation (if different from Fac	cility Permit)	
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Expirati	lon		JA Tillin

		SOURCE PERMIT NO.	13-0420-0001-07
			Page <u>8</u> of <u>15</u>
Monsanto Corp	oration	located at _So	oda Springs, Idaho
is hereby gra	anted permission to		
source or con	ntrol equipment: #7	electric arc furna	ace with emissions
from the furn	ace tapping operation	ons controlled	by a venturi scrub

Restrictions	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	0.20 Pounds per ton of material processed.	Stack Test as Required by Operation and Maintenance Man
Conditions:			
Validation (i	.f different from Fac	cility Permit)	
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Expirati	on		to of Their

	•	SOURCE PERMIT NO. 1	3-0420-0001-08
			Page 9 of <u>15</u>
Monsanto Corp	oration	located at Soc	la Springs, Idaho
is hereby gra	anted permission to	operate the follow	ing air pollution
source or cor	ntrol equipment: #8	electric arc furna	ce with emissions
from the furn	ace tapping operation	ons controlled	by a venturi scrub
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			· · · · · · · · · · · · · · · · · · ·
		AND THE PERSON SERVICE OF THE PERSON OF THE	**************************************
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	0.20 Pounds per ton of material processed.	Stack Test as Required by Operation and Maintenance Manu
		,	
Conditions:			
	•		
		•	
Validation (i	f different from Fac	cility Permit)	
Issued		•	

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		SOURCE PERMIT NO	. 13-0420-0001-9
			Page <u>10</u> of <u>15</u>
Monsanto Corpo	ration	located at S	Soda Springs, Idaho
is hereby gran	ted permission to	o operate the follo	owing air pollution
source or cont	rol equipment: #	9 electric arc fur	nace with emissions
from the furna	ce tapping operat	ions controlle	ed by a venturi scrub

	:		
The state of the s			
Restrictions:			
Restrictions:	•		
must must must	Mari a a i a a	Emission	Manaikanaina
Emission Point	Emission Characteristic	Limitations	Monitoring Requirements
Scrubber	Particulate	0.20 Pounds	Stack Test as
		per ton of material	Required by
		processed.	Operation and Maintenance Man
Conditions:			
Validation (if	different from I	Facility Permit)	
		14011101 101107	
* upote anter	n		ATTO TOLL.
DAPTICETO	***	JU je	Day Dy / Clerk

PART II GENERAL PROVISIONS

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- The permittee shall at all times (except as provided in the Rules and Regulations 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 laws for the control of air pollution.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

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PART III EMISSION LIMITATIONS

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

 $E = .045 (PW)^{0.60}$

If PW is equal to or greater than 17,000 pounds per hour,

 $E = 1.12 (PW)^{0.27}$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.

FACILITY PERMIT NO.13-0420-0001Page 15 of 15 •

1982

Equipment	Engineering & Development	Begin Construction	Complete Construction	Shakedown Period	In Compliance
Nodule Fines From Burden Screens Install Dust Controls	Jan. 15, 1978 to Jan. 15, 1979	Feb. 15, 1979	May 15, 1979	May 15, 1979 to June 30, 1979	June 30, 1979
Precipitator Dust Disposal Install such equipment or institute such operational measures as necessary to control emissions from phosphorus burning of precipitator dust at disposal si		Oct. 30, 1980	Oct. 31, 1981	Oct. 31, 1981 to Jan. 31, 1982	Jan. 31, 1982
Stocking System Area Dust Control Install Dust Controls	Dec. 31, 1978 to July 31, 1980	March 31, 1980	March 31, 1981	March 31, 1981 to June 30, 1981	June 30, 1981
Vent Risers Install sprays in vent stacks to scrub emissions during emergency periods when furnaces must be vented.	Jan. 1, 1978 to Jan 1, 1979	Jan. 25, 1978	May 31, 19 7 9	Feb. 1, 1978 to June 30, 1979	June 30, 1979
Slag Handling Alter slagging process					

to reduce fugitive

emissions.

K.4 STATE OF IDAHO

Page 1 of

DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

Kerr McGee
Permittee, including affiliates, if any

Soda Springs, Idaho 83276 Located at

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

alidation:

Issued <u>7/18/79</u>

Expiration 7/17/84

Milto S. Elen

•	3	BOOKCE PERMIT NO. I	3-0420-0002-01
		·	Page 2 of 12
Kerr McGee)	located at _so	da Springs, Idaho
is hereby gra	anted permission to c		
source or cor	ntrol equipment: Fer	rophos crusher, dr	yer, impactor, and
	ge area; all points a		
		,	
Restrictions:	:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	0.10 Pounds per ton of raw material input to the process.	Stack test as required by Operation and Maintenance Manual
Conditions:			
When visible eaction is to b	emissions from the base implemented.	ghouse exceed 5% c	pacity corrective
Walidation (i	f different from Too	ilite Downith	
Issued	f different from Fac	IIITY PERMIT)	
155UEU _		72.3	de Santa

	2	SOURCE PERMIT NO.	L3-0420-0002-02
		:	Page <u>3</u> of <u>12</u>
Kerr McGee		located atSc	oda Springs, Idaho
is hereby gra	nted permission to c		
source or con	trol equipment: Fer	rophos Ballmill wi	th Baghouse
4 800 98 0 100 0 10			
and the second s			
			ayya na bir ifala 19 ayya a sasaniya aya 19 _{4 a say} a ka 19 a
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Mon i toring Requirements
Baghouse	Particulate	0.10 Pounds per ton of raw material input to the process.	Stack Test as required by Operation and Maintenance Manu
Conditions:			
When visible e action is to b	missions from the ba	ghouse exceed 5%	opacity corrective
PPT ¹ - Pounds	per ton of raw mater	rial input	
Validation (if	different from Fac	ility Permit)	
Issued			
Expiratio	on	Mills	To Millin

Authorizing Signature

	•	BOUNCE FERMIT NO	13-0420-0002-03
		P	age <u>4</u> of <u>12</u>
Kerr McGee		located at Sod	a Springs, Idaho
is hereby gra	anted permission to		
	ntrol equipment: Lim		
controlled by		77	cir cire emissions
***************************************	,		
		galaksan ga da da a a a a a a a a a a a a a a a	in the second se
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack Test as required by Operation and Maintenance Manua
		•	
Conditions:			
to the parimi	weight is that amount of the second the above sour	ussions are calcula	hour, being fed ated by adding
Validation (i	f different from Fac	cility Permit)	
Issued _		_	
Expirati	on	Million	Allin

		SOURCE PERMIT NO.	13-0420-0002-04
			Page <u>5</u> of <u>12</u>
Kerr McGee		located at So	da Springs, Idaho
is hereby gr	anted permission to	operate the follow	ing air pollution
source or co	ntrol equipment: Met	ering of salt/soda	ash, limestone
and ferropho	s; #1 roaster, with	quench and leach t	anks. Emissions
from the roa	ster are controlled	by a cyclone follo	wed by a venturi
scrubber.			
Restrictions	:		
		•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack test as required by Operation and Maintenance Man
Conditions:			
to the roaste	weight is that amou er. Total actual emi from the above sour	ssions are calcula	hour, being fed ted by adding
Validation (i	if different from Fac	cility Permit)	
Issued _			
Expirati	ion	Milli	Tol Klin

		SOURCE PERMIT NO.	13-0420-0002-05
			Page <u>6</u> of <u>12</u>
Kerr McGee		located at Soc	da Springs, Idaho
is hereby g	ranted permission to		
source or c	ontrol equipment: Me	tering of salt/soda	a ash, limestone
and ferroph	os; #2 roaster, with	quench and leach t	anks. Emissions
from the ro	easter are controlled	by a cyclone follo	wed by a venturi
scrubber.			
Restrictions	5 :		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	See Part III	Stack test as required by Operation and Maintenance Manu
Conditions:			
to the roast	ss weight is that amo cer. Total actual em ns from the above sou	issions are calcula	hour, being fed ated by adding
Validation (if different from Fa	cility Permit)	
Issued			
Evni rat	-ion		1. 1.10.

	SOURCE PERMIT NO. 13-0420-0002-06
	Page _ 7 of <u>12</u>
Kerr McGee	located at <u>Soda Springs, Idaho</u>
is hereby granted permission to	o operate the following air pollution
source or control equipment: _	Wet processes for purification of
vanadium	
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
General provisions of the Rules of Air Pollution in Idaho.	s and Regulations for the Control
•	
Conditions:	
Validation (if different from F	acility Permit)
Issued	
Expiration	Of Strattlein

		SOURCE PERMIT NO.	13-0420-0002-07
			Page <u>8</u> of <u>12</u>
Kerr McGee		located at Soc	la Springs, Idaho
is hereby gr	anted permission t	o operate the follow	ing air pollution
source or co	ntrol equipment: A	Ammonium meta vanadat	e dryer, decompose
		g; the decomposer emi	
trolled by a			**************************************
		h a a a h dhi 1970 (1971) a mag 1971 a 1	
	oo taasaa aa a	**************************************	
-			
Restrictions	:		•
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	See Part III	Stack test as required by Operation and Maintenance Manu
Dryer	инз	General provis of the Rules an Regulations	
Conditions:			
When visible corrective a	emissions from the ction is to be imp	e baghouse exceed 5% lemented.	opacity
Validation (if different from P	Facility Permit)	•
Issued			
Expirat	ion	CM	De - 1-1111 \

Page 9 of 12

PART II GENERAL PROVISIONS

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- The permittee shall at all times (except as provided in the Rules and Regulations 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 laws for the control of air pollution.
- The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

- at reasonable times to have access to and copy
 any records required to be kept under the terms
 and conditions of this permit; to inspect any
 monitoring equipment or monitoring method required
 in this permit, and to sample any emission of
 pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

Page 11 of 12

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

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PART III EMISSION LIMITATIONS

1. Allowable Mass Emission Rate (Effective on Issuance of Permit Unless Otherwise Noted)

A person shall not discharge into the atmosphere from any source operating prior to February 1, 1979 particulate matter in excess of the amount shown by the following equations:

If PW is less than 17,000 pounds per hour,

 $E = .045 (PW)^{0.60}$

If PW is equal to or greater than 17,000 pounds per hour,

 $E = 1.12 (PW)^{0.27}$

Where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.



AIR QUALITY TIER I OPERATING PERMIT

State of Idaho Department of Environmental Quality **PERMIT NO.:**

T1-9507-114-1

FACILITY ID NO.:

077-00006

AQCR: 061

CLASS:

SIC:

2874

ZONE:

12

UTM COORDINATE (km): 375.6, 4751.6

1. PERMITTEE

J.R. Simplot Co. - Don Siding Plant

2. PROJECT

Tier I Operating Permit

3. MAILING ADDRESS	СІТУ	STATE	ZIP
P.O. Box 912	Pocatello	ID	83204
4. FACILITY CONTACT Leon C. Pruett	TITLE Environmental, Safety, and Health Manager	TELEPHOI (208) 234-53	
5. RESPONSIBLE OFFICIAL Delbert Butler TITLE Plant Manager		TELEPHO (208) 234-54	
6. EXACT PLANT LOCATION Section 18 R-34-E, T-6-S; 5½ Section 7 R-34-E T-6-S		COUNTY Power	,

7. GENERAL NATURE OF BUSINESS and KINDS OF PRODUCTS Manufacture of nitrogen, phosphate, and sulfate commercial products

8. PERMIT AUTHORITY

This Tier I operating permit is issued pursuant to Idaho Code §39-115 and the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.300 - 386. The permittee shall comply with the terms and conditions of this permit.

This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Department of Environmental Quality (DEQ) for the permitted source, unless the permittee emits toxic pollutants subject to state-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit.

The effective date of this permit is the date of signature by DEQ on the cover page

DATE ISSUED:

April 5, 2004

C. STEPHEN ALLRED. DIRECTOR DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE EXPIRES:

AIR OUALITY TIER I OPERATING PERMIT NUMBER: T1-9507-114-1 Permittee: J.R. Simplot Co. - Don Siding Plant Project No. Date Issued: April 5, 2004 Pocatello, Idaho T1-9507-114-1 Date Expires: Location: The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit. Permit Limits / Standard Summary The PM and PM₁₀ emissions shall not exceed 1.93 lb/hr and 5.83 T/yr. 5.1 [PTC No. 077-00006, 9/20/00] 5.2 The SO₂ emissions shall not exceed 0.11 lb/hr and 0.46 T/yr. [PTC No. 077-00006, 9/20/00] 5.3 The NO, emissions shall not exceed 7.00 lb/hr and 30.7 T/yr. [PTC No. 077-00006, 9/20/00] 3× The NO_x emissions shall not exceed 0.04 lb/MMBtu. [40 CFR 60.44b(a)(1); PTC No. 077-00006, 9/20/00] The VOC emissions shall not exceed 0.96 lb/hr and 4.22 T/yr. 5.5 [PTC No. 077-06006, 9/20/00] 5.6 The CO emissions shall not exceed 14.0 lb/hr and 61.3 T/yr. [PTC/No. 077-00006, 9/20/00] 5.7 The PM from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic foot corrected to 3% oxygen. [IDAPA 58.01.01.676, 95/01/94; PTC No. 077-00006, 9/20/00] For purposes of compliance with Permit Condition 5.9, the NO_x standards in Permit Condition 5.4 apply 5.8 at all times including periods of startup, shutdown, or malfunction. [40 CFR 60.44b(h)] Compliance with the NO_x emissions limit in Pernsit Condition 5.4 is determined on a 30-day rolling 5.9 average basis. 40 CFR 60.44b(i); PTC No. 077-00006, 9/20/00] Operating Requirement 5.10 The maximum hourly natural gas throughput of the boiler shall not exceed 0.175 MMcf/hr. The maximum annual natural gas throughput of the boiler shall not exceed 1,533 MMcf/yr). [PTC No. 077-00006, 9/20/00] 5.11 The boiler shall only use natural gas as fuel. [PTC No. 077-00006, 9/20/00]

An O&M manual for the boiler and LoNO_x - EGR systems shall remain on site at all times.

[PTC No. 077-00006, 9/20/09]

Monitoring and Record-keeping Requirements

5.12

AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-9507-114-1					
Permittee:	J.R. Simplot Co Don Siding Plant		Date Issued:	April 5, 2004	
Location: The permi	Pocatello, Idaho ittee is hereby allowed to operate the	T1-9507-114-1 equipment described herei	Date Expires: in subject to all to	erms and conditions of	
		the permit.			
5.13	The permittee shall install, calibrate, and operate a NO _x CEMS for measuring emissions discharged to the atmosphere and record the output of the system. [PTC No. 077-00006, 9/20/00; 40 CFR 60.48b(b)]				
		-	_		
5.14	The NO _x CEMS shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks and zero and span adjustments.				
	•	[PTC No. 0)77-00006, 9/20/0	0; 40 CFR 60.48b(c)]	
5.15	The one-hour average NO _x emission rates measured by the NO _x CEMS shall be expressed in lb/MMBtu heat input and shall be used to calculate the average 30-day emissions rates under Permit Condition 5.4. The one-hour averages shall be calculated using the data points required under 40 CFR 60.13(b). At least two data points must be used to calculate each one-hour average. [PTC No. 077-00006, 9/20/00; 40 CFR 60.13(b), 48b(d)]				
5.16	The NO _x CEMS must meet all requirements set forth in 40 CFR 60.13 (provided in Appendix B). [PTC No. 077-00006, 9/20/00; 40 CFR 60.13(b), 48b(e)]				
5.17	The span value for NO _x CEMS is 500		3, 9/20/00; 40 CFI	R 60.13(b), 48b(e)(2)]	
5.18	When NO _x emissions data is not obtain and zero and span adjustments, emissi EPA Method 7, EPA Method 7A, or of minimum of 75% of the operating hour of 30 successive steam-generating unit	ons data will be obtained by ther approved reference me ars in each steam-generating t operating days.	y using standby methods to provide of unit operating dates.	onitoring systems, emissions data for a	
5.19	Each operating day, the permittee shal MMcf/day. Once per month, the permittee rolling 12-month period, in MMcf/yr.		atural gas usage f		
5.20	The permittee shall calculate the emissusing AP-42 Section 1.4 (3/98) emission		from the boiler or ved alternative.	•	
5.21	The permittee shall calculate the annual annual capacity factor based on a 12-n calculated at the end of each calendar is	nonth rolling average basis month.	with a new annua		
5.22	The permittee shall maintain the follow	ving records for each boiler	operating day:		
5.22.1	Calendar date				
5.22.2	The average hourly NO _x emission rates	s (expressed as NO ₂) measu	ared as lb/MMBtu	heat input.	

The NO ₂ emissions from the boiler exhaust stack shall not exceed 2.88 lb/hr and 12.63 T/yr. [PTC No. 077-00006, 06/16/95] The CO emissions from the boiler exhaust stack shall not exceed 11.7 lb/hr and 51.1 T/yr. [PTC No. 077-00006, 06/16/95] The CO emissions from the boiler exhaust stack shall not exceed 11.7 lb/hr and 51.1 T/yr. [PTC No. 077-00006, 06/16/95] The CO emissions from the boiler exhaust stack shall not exceed 11.7 lb/hr and 0.84 T/yr. [PTC No. 077-00006, 06/16/95] The VOC emissions from the boiler exhaust stack shall not exceed 0.19 lb/hr, and 0.84 T/yr. [PTC No. 077-00006, 06/16/95] The Particulate emissions from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic foot-corrected to 3% oxygen. [DAPA 58.01.01.676, 05/01/94] Operating Requirement The Babcock and Wilcox boiler shall only use natural gas as fuel. [PTC No. 077-00006, 06/16/95] Monitoring and Record-keeping Requirements The permittee shall record and maintain records of the amounts of natural gas combusted during each day. [PTC No. 077-00006, 08/16/95] Monitoring and Record-keeping Requirements The permittee shall record the cumulative volume of natural gas fuel consumed by the Babcock and Wilefox boiler on a monthly basis. The permittee shall record the total natural gas usage in MMcf per rolling 12-month period. The records shall be kept on site for at least five years and shall be made available to DEQ representatives upon request. [DAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO, from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [DAPA 58.01.01.322.06, 07, 5/1/94]		AIR QUALITY TIER I OPER		1	
The NO, emissions from the boiler exhaust stack shall not exceed 2.88 lb/hr and 12.63 T/yr. [PTC No. 077-00006, 06/16/95] The CO emissions from the boiler exhaust stack shall not exceed 11.7 lb/hr and 51.1 T/yr. [PTC No. 077-00006, 06/16/95] The VOC emissions from the boiler exhaust stack shall not exceed 0.19 lb/hr, and 0.84 T/yr. [PTC No. 077-00006, 06/16/95] 6.6 Particulate emissions from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic foot-corrected to 3% oxygen. [IDAPA 58.01.01.676, 05/01/94] Operating Requirement The Babcock and Wilcox boiler shall only use natural gas as fuel. [PTC No. 077-00006, 06/16/95] Monitoring and Record-keeping Requirements The permittee shall record and maintain records of the amounts of natural gas combusted during each day. [PTC No. 077-00006, 06/16/95; 40 CFR 60.48c(g); 40 CFR 60.48c(g); iDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall record the cumulative volume of natural gas fuel consumed by the Babcock and Wijeox boiler on a monthly basis. The permittee shall record the total natural gas usage in MN(cf per rolling 12-month period. The records shall be kept on site for at least five years and shall be made available to DEQ representatives upon request. [IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO ₂ from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [IDAPA 58.01.01.322.06, 07, 5/1/94] Reporting 6.13 The permittee shall comply with 40 CFR 60.7, as contained in Appendix B, for notification and record-keeping requirements.	Permittee: .ocation: The permit	Pocatello, Idaho	T1-9507-114-1 equipment described hereir	Date Expires:	
The CO emissions from the boiler exhaust stack shall not exceed 11.7 lb/hr and 51.1 T/yr. [PTC No. 077-00006, 06/16/95] 6.6 The VOC emissions from the boiler exhaust stack shall not exceed 0.19 lb/hr, and 0.84 T/yr. [PTC No. 077-00006, 06/16/95] 6.7 Particulate emissions from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic foot-corrected to 3% oxygen. [IDAPA 58.01.01.676, 05/01/94] Operating Requirement 6.8 The Babcock and Wilcox boiler shall only use natural gas as fuel. [PTC No. 077-00006, 06/16/95] The Babcock and Wilcox boiler shall not burn more than 559,000,000 of of natural gas per year. [PTC No. 077-00006, 06/16/95] Monitoring and Record-keeping Requirements 6.10 The permittee shall record and maintain records of the amounts of natural gas combusted during each day. [PTC No. 077-00006, 06/16/95] The permittee shall record the cumulative volume of natural gas fuel consumed by the Babcock and Wijeox boiler on a monthly basis. The permittee shall record the total natural gas usage in MMcf per rolling 12-month period. The records shall be kept on site for at least five years and shall be made available to DEQ representatives upon request. [IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO, from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall comply with 40 CER 60.7, as contained in Appendix B, for notification and record-keeping requirements.					
The VOC emissions from the boiler exhaust stack shall not exceed 0.19 lb/hr, and 0.84 Te/rr. [PTC No. 077-00008, 06/16/95] 6.7 Particulate emissions from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic foot corrected to 3% oxygen. [IDAPA 58.01.01.676, 05/01/94] Operating Requirement 6.8 The Babcock and Wilcox boiler shall only use natural gas as fuel. [PTC No. 077-00006, 06/16/95] 6.9 The Babcock and Wilcox boiler shall not burn more than 559,000,000 cf of natural gas per year. [PTC No. 077-00006, 06/16/95] Monitoring and Record-keeping Requirements 6.10 The permittee shall record and maintain records of the amounts of natural gas combusted during each day. [PTC No. 077-00006, 06/16/95] MONITORING OF CONTROLOGY, 06/16/95] 6.11 The permittee shall record the cumulative volume of natural gas fuel consumed by the Babcock and Wilcox boiler on a monthly basis. The permittee shall record the total natural gas usage in MNcf per rolling 12-month period. The records shall be kept on site for at least five years and shall be made available to DEQ representatives upon request. [IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO, from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [IDAPA 58.01.01.322.06, 07, 5/1/94] Reporting 6.13 The permittee shall comply with 40 CFR 60.7, as contained in Appendix B, for notification and record-keeping requirements.	6.4	The NO _x emissions from the boiler exi	haust stack shall not exceed		
Particulate emissions from the boiler stack shall not exceed a concentration of 0.015 grains per dry standard cubic fool corrected to 3% oxygen. [IDAPA 58.01.01.676, 05/01/94] Operating Requirement 6.8 The Babcock and Wilcox boiler shall only use natural sets as fuel. [PTC No. 077-00006, 06/16/95] The Babcock and Wilcox boiler shall not burn more than 559,000,000 cf of natural gas per year. [PTC No. 077-00006, 06/16/95] Monitoring and Record-keeping Requirements 6.10 The permittee shall record and maintain records of the amounts of natural gas combusted during each day. [PTC No. 077-00006, 06/16/95; 40 CFR 60.48c(I); IDAPA 58.01.01.322.06, 07, 5/1/94] 6.11 The permittee shall record the cumulative volume of natural gas fuel consumed by the Babcock and Wilcox boiler on a monthly basis. The permittee shall record the total natural gas usage in MMcf per rolling 12-month period. The records shall be kept on site for at least five years and shall be made available to DEQ representatives upon request. [IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO ₃ from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [IDAPA 58.01.01.322.06, 07, 5/1/94] Reporting 6.13 The permittee shall comply with 40 CFR 60.7, as contained in Appendix B, for notification and record-keeping requirements.	6.5	The CO emissions from the boiler exh	aust stack shall not exceed		
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[IDAPA 58.01.01.322.06, 07, 5/1/94] The permittee shall calculate the emissions of SO ₂ , CO, and NO _x from the boiler on a monthly basis using AP-42 Section 1.4 (3/98) emission factors, or a DEQ-approved alternative. [IDAPA 58.01.01.322.06, 07, 5/1/94] Reporting The permittee shall comply with 40 CFR 60.7, as contained in Appendix B, for notification and record-keeping requirements.		Wileox boiler on a monthly basis. The rolling 12-month period. The records sl	permittee shall record the to shall be kept on site for at lea	total natural gas usage	in MMcf per
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6.13 The permittee shall comply with 40 CFR 60.7, as contained in Appendix B, for notification and record-keeping requirements.				ved alternative.	
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[40 CFR 60.7]	6.13	The permittee shall comply with 40 CF	R 60.7, as contained in Ap	pendix B, for notificat	
					[40 CFR 60.7]

AIR QUALITY THER I OPERATING PERMIT NUMBER: T1-9507-114-1

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires:

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Permit Limits / Standard Summary

- 9.1 Particulate Matter Emissions
- 9.1.1 The PM emissions from the Granulation No. 3 stack shall not exceed 7.0 lb/hr and 30.7 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hous emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[PTC No. 077-00006, 12/12/01]

- 9.1.2 No person shall emit PM to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in b/hr, and PW is the process weight in lb/hr:
 - a. If PW is less than 9,250 lb/hr,

 $E = 0.045 (PW)^{0.60}$

b. If PW is equal to or greater than 9,250 lb/hr,

 $E = 1.10(PW)^{0.25}$

[IDAPA 58.01.01.701, 4/5/00]

9.2 PM₁₀ Emissions

9.2.1 The PM₁₀ emissions from the Granulation No. 3 stack shall not exceed 5.7 lb/hr and 25.0 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[PTC No. 077-00006, 12/12/01]

- 9.2.2 The PM₁₀ emissions from the diatomaceous earth baghouse shall not exceed 0.28 lb/hr and 1.2 T/yr. [PTC No. 077-00006, 17/12/99]
- 9.3 Total fluoride emissions from the Granulation No. 3 stack shall not exceed 1.28 lb/hr, and shall not exceed 5.63 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[PTC No. 077-00006, 12/12/01]

9.4 The NO₂ emissions from the Granulation No. 3 stack shall not exseed 3.4 lb/hr and 14.9 T/yr.

[PTC No. 077-00006, 12/12/01]

9.5 The SO₂ emissions from the Granulation No. 3 stack shall not exceed 0.02 lb/hr and 0.00 T/yr.

[PTC No. 077-00006, 12/12/01]

AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-9507-114-1

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires:

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

9.14 The dryer, with a maximum rated heat input capacity of 35 MMBtu/hr (determined on a 24-hour rolling average), shall burn only natural gas as fuel.

[PIC-No. 077-00006, 12/12/01]

9.15 Maintenance to the scrubbers, and/or process equipment, and/or baghouse shall be performed if visible emissions from the Granulation No. 3 plant stack exceed 15% opacity.

[PTC No. 077-00006, 12/12/01]

9.16 The permittee shall comply with the Air Pollution Emergency Rules in IDAPA 58.01.01.550 through 562.

[PTC No. 077-90006, 12/12/01]

Monitoring and Record-keeping Requirements

9.17 The permittee shall conduct compliance tests within 12 months of, or 12 months prior to, December 24, 2002 to demonstrate compliance with the PM hourly emissions limit in Permit Condition 9.1.1, the PM₁₀ hourly emissions limit in Permit Condition 9.2.1, and the fluoride hourly emissions limit in Permit Condition 9.3.

During calendar years 2003, 2004, and 2005, compliance with the PM_{10} emissions limit in Permit Condition 9.2.1 shall be determined by conducting a Method 5 performance test on the granulation No. 3 stack. The PM_{10} fraction of the PM emission rate determined during the test shall be determined by multiplying the PM emission rate by a 0.82 conversion factor.

During calendar years 2004 and 2005, Method 5 and 202 performance tests shall be conducted on the granulation No. 3 stack in addition to the Method 5 test. No later than September 30, 2005, Simplot shall submit a permit application to revise the PM₁₀ emissions limits to reflect the results of the Method 5 and 202 performance tests. The permit application shall contain justification for each emission limit proposed. Once DEQ issues a permit with revised PM₁₀ emissions limits, compliance with Permit Condition 9.2.1 shall be determined by source testing using Methods 5 and 202 on the granulation No. 3 scrubber stack. The compliance tests shall be performed in accordance with Permit Conditions 2.15, 2.16, 2.17, and the following requirements, except that Permit Condition 9.17.6 shall not apply to testing of emissions of PM and PM₁₀ until calendar year 2006:

- 9.17.1 Visible emissions shall be observed during each compliance test run using the methods specified in IDAPA 58.01.01.625.
- 9.17.2 The pressure drop across the baghouse shall be monitored and recorded during each compliance test.
- 9.17.3 The pressure drop and liquid flow rate of the wet scrabber shall be monitored and recorded during each compliance test.
- 9.17.4 The feed rate, in tons of P₂O₅ equivalent per hour, to the Granulation No. 3 plant shall be recorded during each compliance test. The permittee shall determine the rate of equivalent P₂O₅ feed by first determining the mass rate in tons per hour of phosphorus-bearing feed, then multiplying the phosphorus bearing feed rate by the decimal fraction of P₂O₅ content.

AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-9507-114-1

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires:

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

9.17.5 The process data specified in the approved test protocol shall be monitored and recorded during the test period.

9.17.6 If the measurement during the initial compliance test is less than or equal to 75% of the respective hourly emission standard, no further testing for that emissions standard shall be required during the term of the permit. If the measurement during the initial compliance test is greater than 75%, but less than or equal to 90% of the hourly respective emission standard, a second test for that emissions standard shall be required in the third year of the permit term. If measurement during the compliance test is greater than 90% of the respective hourly emission standard, the permittee shall conduct a compliance test for that emissions standard annually.

[PTC No. 077-00006, 12/12/01; Tier !! Permit No. 077-00006, 12/3/99; IDAPA 58.01.01.322.06, 5/1/94]

9.18 To demonstrate compliance with the NO_x, CO, SO₂, and VOC emissions limits, the permittee shall continuously monitor the amount of natural gas fired in the dryer. On a monthly basis, the permittee shall record the natural gas consumption of the dryer, the operating hours of the dryer, and the rolling 12-month natural gas usage. The permittee shall calculate the monthly and rolling 12-month emission rate using AP-42 Section 1.4 (308) emission factors for natural gas combustion, or a DEQ-approved alternative, on a monthly basis.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.01, 3/19/99]

- 9.19 Compliance with the fugitive PM, PM₁₀, and fluoride emission shall be determined by the following:
- 9.19.1 Multiplying the hourly production rate, in tons per hour, by the emission factors of 0.027 lb/T for PM, 0.004 lb/T for PM₁₀, and 0.00022 lb/T for fluoride per the facility's Granulation No. 3 upgrade permit application analysis.
- 9.19.2 Multiplying the annual production rate, in tons per year, by the emission factors of 0.027 lb/T for PM, 0.004 lb/T for PM₁₀, and 0.00022 lb/T for fluoride per the facility's Granulation No. 3 upgrade permit application analysis.

[PTC No. 077-00006, 12/12/01]

9.20 Within 60 days after startup, the permittee shall develop an O&M manual for the baghouse and wet scrubber system that describes the procedures that will be followed to comply with General Provision 2 of PTC No. 077-00006 and Permit Conditions 9.12 and 9.13. This manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

[PTC No. 077-00006, 12/12/01]

9.21 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.

[General Provision 2 of PTC No. 077-00006, 12/12/01]

2.22 The permittee shall monitor and record the following information:

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires: Date Expires:

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Table 12.2 contains only a summary of the requirements that apply to the phosphoric acid plant No. 400. Specific permit requirements are listed below Table 12.2.

Table 12.2(1): SUMMARY OF EMISSIONS LIMITS

Parage Contiden				Operating Montparing
		1.3 lb/hr, 4.71 T/yr	Tier II Permit No. 077-00006	
12.1	Total fluoride	0.020 1b/T of equivalent P ₂ O ₅ feed	40 CFR 63.602(a); Tier II Permit No. 077-00006	12.64through 12.12, 12.15 through 12.20
12.2	PM	3.38 lb/hr, 14.80 T/yr	Tier II Permit No. 077-00006	12.6, 12.7, 12.13
		Process weight rate	IDAPA 58.01.01.702	12.0, 12.7, 12.13
12.3	PM ₁₀	2.77 lb/lbs, 12.13 T/yr	Tier II Permit No. 077-00006	12.6, 12.7, 12.13
12.4	Total reduced sulfur	8.61 lb/hr, 37.7 T/yr	Tier II Permit No. 077-00006	12.4, 12.14
12.5	Fugitive PM ₁₀	0.01 lb/hr, 0.03 T/yr	Tier II Permit No. 077-00006	12.5

¹If any requirement in this permit conflicts with any requirement contained in 40 CFR 63, the requirement in 40 CFR 63 shall supercede.

Permit Limits / Standard Summary

12.1 Total Fluorides

12.1.1 For the wet process phosphoric acid process line, the permittee shall comply with the total fluorides standard of 0.020 lb/T of equivalent P₂O₅ feed.

[40 CFR 63.602(a)]

12.1.2 Total particulate and gaseous fluoride emissions from the phosphoric acid plant No. 400 stack shall not exceed 1.30 bb/hr, and 4.71 T/yr.

Tier il Permit No. 077-00006, 12/3/991

The PM emissions from the phosphoric acid plant No. 400 stack shall not exceed the emission limits set by IDAPA 58.01.01.701, or 3.38 lb/hr (whichever is more restrictive), and shall not exceed 14.80 T/yr. The ton-per-year rate shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[Tier II Permit No. 077-00006, 12/3/99; IDAPA 58.01.01.701, 4/5/00]

12.3 The PM₁₀ emissions from the phosphoric acid plant No. 400 stack shall not exceed 2.77 lb/hr and 12.13 T/yr. The ton-per-year rate shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[Tier li Permit No. 077-00006, 12/3/99]

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires: Breakles and conditions

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

(F) Section XI, Methods of Analysis For Phosphoric Acid, Superphosphate, Triple Superphosphate, and Ammonium Phosphates, No. 3 Total Phosphorus- P₂O₅₅ Method B-Gravimetric Quimociae Method.

- (G) Section XI, Methods of Analysis For Phosphoric Acid, Superphosphate, Triple Superphosphate, and Assumonium Phosphates, No. 3 Total Phosphorus- P₂O₅, Method C-Spectrophotometric Method.
- (4) To comply with Permit Condition 12.11(1) or (2), the owner or operator shall use the monitoring systems in Permit Condition 2.10 to determine the average pressure loss of the gas stream across each scrubber in the process scrubbing system and to determine the average flow rate of the scrubber liquid to each scrubber in the process scrubbing system during each of the total fluoride runs. The arithmetic averages of the three runs shall be used as the baseline average values for the purposes of Permit Condition 12.11(1) or (2).

[40 CFR 63.606(c)]

12.13 PM and PM₁₀ Performance Test

12.13.1 The permittee shall conduct compliance tests within 12 months of, or 12 months prior to, December 24, 2002 to demonstrate compliance with the PM and PM₁₀ hourly emissions limits required in Permit Conditions 12.2 and 12.3. After the first compliance test, the permittee shall conduct a compliance test once per annum to demonstrate compliance with hourly PM and PM₁₀ emissions limits in Permit Conditions 12.2 and 12.3.

During calendar years 2003, 2004, and 2005, compliance with the PM_{10} emissions limit in Permit Condition 12.3 shall be determined by conducting a Method 5 performance test on the belt filter scrubber stack. The PM_{10} fraction of the PM emission rate determined during the test shall be determined by multiplying the PM emission rate by a 0.82 conversion factor.

During calendar years 2004 and 2005, Method 5 and 202 performance tests shall be conducted on the belt filter scrubber stack in addition to the Method 5 test. All performance testing shall be conducted in accordance with Permit Condition 2.16.

No later than September 30, 2005, Simplot shall submit a permit application to revise the PM₁₀ emissions limits to reflect the results of the Method 5 and 202 performance tests. The permit application shall contain justification for each emission limit proposed. Once DEQ issues a permit with revised PM₁₀ emissions limits, compliance with Permit Condition 12.3 shall be determined by source testing using Methods 5 and 202 on the belt filter scrubber stack.

- 12.13.2 The permittee shall record the equivalent P₂O₅ feed rate to the process, the pressure drop across each scrubber, and the flow rate of the scrubber liquid to each scrubber during compliance tests.
- 12.13.3 The permittee shall conduct a visible emissions evaluation during each compliance test. The evaluation shall be conducted in accordance with the procedures contained in IDAPA 58.01.01.625.

 [IDAPA 58.01.01.322.06, 5/1/94; Tier II Permit No. 077-00006, 12/3/99]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Permit Limits / Standard Summary

- 14.1 Particulate Matter Emissions
- 14.1.1 Particulate matter emissions from each cell of the reclaim cooling towers shall not exceed 17.65 lb/hr and 77.31 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

|Tier II Permit No. 077-00006, 12/3/99]

14.1.2 Based on the process weight rate equation the limit is 40.7 lb/hr per cell using a flowrate of 3,750 gpm per cell (30,000 gpm to the cooling tower). Because Condition 14.1.1 is more stringent, compliance with Condition 14.1.1 shall be deemed compliance with Condition 14.1.2.

[IDAPA 58.01.01.701, 4/5/09]

The PM₁₀ emissions from each cell of the reclaim cooling towers shall not exceed 3.53 lb/hr, and 15.48 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[Tier il Permit No. 077-00006, 12/3/99]

Fluoride emissions from each cell of the reclaim cooling towers shall not exceed 4.9 lb/hr and 21.70 T/yr. The ton-per-year emissions limit shall be determined by multiplying the actual or allowable (If actual is not available) pound-per-hour emission rate by the actual hours per year the process(es) venting to this stack operate(s).

[Tier il Permit No. 077-00006, 12/3/99]

Operating Requirements

14.4 No owner or operator shall introduce into any evaporative cooling tower any liquid effluent from any wet scrubbing device installed to control emissions from process equipment. Each owner or operator of an affected source subject to this paragraph must certify to the Administrator annually that he/she has complied with the requirements contained in this section.

[40 CFR 63.602(e)]

14.5 The permittee shall operate the mist-eliminator control device at all times during operation of the reclaim cooling towers.

[IDAPA 58.01.01.322.01, 3/19/99]

Monitoring and Record-keeping Requirements

- 14.6 PM and PM₁₀ Compliance Tests:
- 14.6.1 The permittee shall conduct a compliance test within 12 months of, or 12 months prior to, December 24, 2002 to demonstrate compliance with the PM and PM₁₀ hourly emissions limits in Permit Conditions 14.1 and 14.2.

During calendar years 2003, 2004, and 2005, compliance with the PM₁₀ emissions limit in Permit Condition 14.2 shall be determined by conducting a Method 5 performance test on one of the cooling

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tower cells in each of the three reclaim cooling towers. The PM₁₀ fraction of the PM emission rate determined during the test shall be determined by multiplying the PM emission rate by a 0.20 conversion factor.

During calendar years 2004 and 2005, Method 5 and 202 performance tests shall be conducted on one of the cooling tower cells in each of the three reclaim cooling towers in addition to the Method 5 test. All performance testing shall be conducted in accordance with Permit Condition 2.16.

No later than September 30, 2005, Simplot shall submit a permit application to revise the PM_{10} emissions limits to reflect the results of the Method 5 and 202 performance tests. The permit application shall contain justification for each emission limit proposed. Once DEQ issues a permit with revised PM_{10} emissions limits, compliance with Permit Condition 14.2 shall be determined by annual source testing using Methods 5 and 202 on one of the cooling tower cells in each of the three reclaim cooling towers. The annual source test shall be conducted as specified in Permit Condition 14.8.

[IDAPA 58.01.01.322.06, 5/1/94; Tier II Permit No. 077-00006, 12/3/99]

- 14.6.2 Reserved.
- 14.6.3 The permittee shall conduct a visible emissions evaluation during each compliance test. The visible emissions evaluation shall be conducted in accordance with the procedures contained in IDAPA 58.01.01.625.

[Tier ii Permit No. 077-00006, 12/3/99]

- 14.7 <u>Total Fluorides Compliance Tests</u>
- 14.7.1 The permittee shall conduct compliance tests within 12 months of, or 12 months prior to, December 24, 2002 to demonstrate compliance with the total fluorides hourly emissions limit in Permit Condition 14.3.

[IDAPA 58.01.01.322.06, 5/1/94; Tier II Permit No. 077-00006, 12/3/99]

14.7.2 The permittee shall conduct a visible emissions evaluation during each compliance test. The visible emissions evaluation shall be conducted in ascordance with the procedures contained in IDAPA 58.01.01.625.

[IDAPA 58.01.01.322.06, 5/1/94; Tier II Permit No. 077-00006, 12/3/99]

14.7.3 After the first compliance test is fulfilled as required in this permit condition, the permittee shall conduct a compliance test once per annum to demonstrate compliance with the hourly total fluorides emissions limit in Permit Condition 14.3 as specified in Permit Condition 14.8.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00; Tier II Permit No. 077-00006, 12/3/99]

14.8 With respect to the compliance testing in Permit Condition 14.6 and 14.7, the permittee shall test one of the cooling tower cells in each of the three reclaim cooling towers. The permittee shall select different cooling tower cells for testing from year to year until all of the cells within a particular cooling tower have been tested. Once all cells in a cooling tower have been tested, the cell selection process shall start again.

[Tier II Permit No. 077-00006, 12/3/99]

14.9 Total Fluoride and PM/PM₁₀ Monitoring

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Table 16.2 SUMMARY OF PERMIT REQUIREMENTS

Peralt				
Condition				
16.1	SO ₂	170 lb/hrthree hour average, 750 T/yr, 4 lb/T of 100% H ₂ SO ₄ produced	40 CFR 60.82; PTC No. 077-00006	16.8, 16.9, 16.10, 16.11, 16.13, 16.14
16:2	H₂SO4 mist	3 lb/hour24-hr average, 13 T/yr; 0.15 lb/T of 100% H ₂ SO ₄ produced	40 CFR 60.83(1); PTC No. 077-00006	16.11, 16.13, 16.14
162	PM	Process weight rate	IDAPA 58.01.01.702	None
16.3	PM ₁₀	A source test is required to determine the emission rate.	PTC No. 077-00006	16.8, 16.9, 16.11, 16.13, 16.14
16.4	NO _x	64 T/yr	PTC No. 077-00006	16.8, 16.11, 16.13
16.5	NH ₃	2.5 lb/hr, 11 T/yr	PTC No. 077-00006	16.8, 16.9, 16.11, 16.13
16.6	Opacity	10% for more than six-minute average	40 CFR 60.83(2); FTC No. 077-00006	16.11, 16.12, 16.14
16.7	Visible emissions	20%, no fugitive emissions leaving property boundary	IDAPA 38.01.01.625; PTC No. 077-06006	16.12, 16.13, 16.14
16.8	100% H ₂ SO ₄ Throughput	1,750 T/day - rolling 24-hr average	PTC No. 077-00006	16.13
1645	SO ₂	Monitoring ground-level ambient SO ₂ concentrations	40 CFR 52.675(b)(7); Tier II Permit No. 077- 00006	17.8

Permit Limits / Standard Summary

16.1 Emissions of SO₂ shall not exceed 170 lb/hr calculated as a three-hour rolling average and 750 tons per any consecutive 12-month period. Emissions of SO₂ shall not exceed 4 lb/T of 100% sulfuric acid produced.

[40 CFR 60.82; PTC No. 077-00006, 6/15/01]

Emissions of sulfuric acid mist (as total H₂SO₄) shall not exceed 3 lb/hr calculated as a 24-hour rolling average and shall not exceed 13 tons per any consecutive 12-month period. Emissions of acid mist shall not exceed 0.15 lb/T of sulfuric acid produced, expressed as 100% H₂SO₄.

[40 CFR 60.83(1); PTC No. 077-00006, 6/15/01]

- 16.3 Particulate Matter
- 16.3.1 A source test will be required to determine the emission rate for PM₁₀. This test was conducted and documented in a report dated 12/9/02.

[PTC No. 077-00006, 6/15/01]

16.3.2 No person shall emit PM to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, in excess of the amount shown by the following equations,

Where

E is the allowable emission from the entire source in lb/hr, and PW is the process weight in lb/hr.

a. If PW is less than 9,250 lb/hr,

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At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions in accordance with 40 CFR 60.11(d), as contained in Appendix B.

[40 CFR 60.11(d); PTC No. 077-00006, 6/45/01]

Monitoring And Record-keeping Requirements

- 16.10 (a) A continuous monitoring system for the measurement of sulfur dioxide shall be installed, calibrated, maintained, and operated by the owner or operator. The pollutant gas used to prepare calibration gas mixtures under Performance Specification 2 and for calibration checks under 40 CFR 60.13(d), shall be sulfur dioxide. Method 8 shall be used for conducting monitoring system performance evaluations under 40 CFR 60.13(c) except that only the sulfur dioxide portion of the Method 8 results shall be used. The span value shall be set at 1000 ppm of sulfur dioxide.
 - (b) The owner or operator shall establish a conversion factor for the purpose of converting monitoring data into units of the applicable standard (kg/metric ton, lb/ton). The conversion factor shall be determined, as a minimum, three times daily by measuring the concentration of sulfur dioxide entering the converter using suitable methods (e.g., the Reich test, National Air Pollution Control Administration Publication No. 999-AP-13) and calculating the appropriate conversion factor for each eight-hour period as follows:

CF = k[(1.000 - 0.015r) / (r - s)]

Where:

CF = conversion factor (kg/metric ton per ppm, lb/ton per ppm).

- k = constant derived from material balance. For determining CF in metric units, k = 0.0653. For determining CF in English units, k = 0.1306.
- r = percentage of sulfur dioxide by volume entering the gas converter. Appropriate corrections must be made for air injection plants subject to the Administrator's approval.
- s = percentage of sulfur dioxide by volume in the emissions to the atmosphere determined by the continuous monitoring system required under paragraph (a) of this section.
- (c) The owner or operator shall record all conversion factors and values under paragraph
- (b) of this section from which they were computed (i.e., CF, r, and s).
- (d) Alternatively, a source that processes elemental sulfur or an ore that contains elemental sulfur and uses air to supply oxygen may use the following continuous emission monitoring approach and calculation procedures in determining SO₂ emission rates in terms of the standard. This procedure is not required, but is an alternative that would alleviate problems encountered in the measurement of gas velocities or production rate. Continuous emission monitoring systems for measuring SO2, O2, and CO2 (if required) shall be installed, calibrated, maintained, and operated by the owner or operator and subjected to the certification procedures in Performance Specifications 2 and 3. The calibration procedure and span value for the SO2 monitor shall be as specified in paragraph (b) of this section. The span value for CO_2 (if required) shall be 10% and for O_2 shall be 20.9% (air). A conversion factor based on process rate data is not necessary. Calculate the SO₂ emission rate as follows:

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 $E_a = (C_aS) / [0.265 - (0.126 \%O_2) - (A \%CO_2)]$

Where:

E₂ = emission rate of SO₂, kg/metric ton (lb/ton) of 100% of H₂SO₄ produced.

 C_{*} = concentration of SO_{2} , kg/dscm (lb/dscf).

S = acid production rate factor, 368 dscm/metric ton (11,800 dscf/ton) of 100% H₂SO₄ produced.

%O₂ = oxygen concentration, percent dry basis.

A = auxiliary fuel factor.

= 0.00 for no fuel.

= 0.0226 for methane.

= 0.0217 for natural gas.

= 0.0196 for propane.

= 0.0172 for No 2 oil.

= 0.0161 for No 6 oil.

= 0.0148 for coal.

= 0.0126 for coke.

%CO₂

= carbon dioxide concentration, percent dry basis.

Note: It is necessary in some cases to convert measured concentration units to other units for these calculations:

Use the following table for such conversions:

From	То	Multiply by
g/scm	kg/scm	0[-3]
mg/scm	kg/scm	0[-6]
ppm (SO ₂)	kg/scm	0[-6]
ppm (SO ₂)	lb/scf	p(-7)

(e) For the purpose of reports under 40 CFR 60.7(c), periods of excess emissions shall be all threehour periods (or the arithmetic average of three consecutive one-hour periods) during which the integrated average sulfur dioxide emissions exceed the applicable standards in Permit Condition 16.1.

[40 CFR 60.84]

16.11 The permittee shall conduct performance tests to demonstrate that the pollution control equipment is capable of achieving pollutant-specific emission limits. The initial performance test, and any subsequent compliance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, General Provision F of PTC No. 077-00006, dated 6/15/01, and the requirements outlined in the following subsections. The annual compliance tests shall be conducted within 13 months after the previous initial performance or compliance test.

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Date Expires:

December 24, 2007

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

General Provision F of PTC No. 077-00006 reads as follows:

"If emission testing is specified, the permittee must schedule such testing within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup. Such testing must strictly adhere to the procedures outlined in IDAPA 58.01.01.157 and shall not be conducted on weekends or state holidays without prior written DEQ approval. Testing procedures and specific time limitations may be modified by DEQ by prior negotiation if conditions warrant adjustment. DEQ shall be notified at least 15 days prior to the scheduled compliance test. Any records or data generated as a result of such compliance test shall be made available to DEQ upon request."

The maximum allowable operating rate shall be limited to 120% of the average operating rate attained during any performance test period, for which a test protocol has been granted prior approval by DEQ, unless (1) the test demonstrates noncompliance, (2) a more restrictive operating limit is specified elsewhere in this permit, or (3) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit."

[PTC No. 077-00006, 6/15/01]

16.11.1 Sulfur Dioxide and Sulfuric Acid Mist

Method 8 (or an alternative method approved by both DEO and EPA in accordance with IDAPA 58.01.01.157) shall be used to determine the concentration of SO₂. The performance tests shall also include a performance evaluation of the CEMS. Method 8 (or an alternative method approved by both DEQ and EPA in accordance with IDAPA 58.01.01.157) shall be used to determine the concentration of H₂SO₄.

In conducting the performance tests required in 40 CFR 60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of 40 CFR 60 or other methods and procedures as specified in this section, except as provided in 40 CFR 60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

- The owner or operator shall determine compliance with the SO₂, acid mist, and visible emission standards in Permit Conditions 16.1, 16.2, and 16.6 as follows:
- (1) The emission rate (E) of acid mist or SO₂, shall be computed for each run using the following equation:

 $E = (CQ_{sd}) / (PK)$

Where:

E = emission rate of acid mist or SO₂ kg/metric ton (lb/ton) of 100% H₂SO₄ produced.

C = concentration of acid mist or SO₂, g/dscm (lb/dscf).

Q_{ed} = volumetric flow rate of the effluent gas, dscm/hr (dscf/hr).

P = production rate of 100% H_2SO_4 , metric ton/hr (ton/hr).

K = conversion factor, 1000 g/kg (1.0 lb/lb).

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- (2) Method 8 shall be used to determine the acid mist and SO₂ concentrations (C's) and the volumetric flow rate (Q_{sd}) of the effluent gas. The moisture content may be considered to be zero. The sampling time and sample volume for each run shall be at least 60 minutes and 1.15 dscm (40.6 dscf).
- (3) Suitable methods shall be used to determine the production rate (P) of 100% H₂SO₄ for each run. Material balance over the production system shall be used to confirm the production rate.
- (4) Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.
 - (c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:
 - (1) If a source processes elemental sulfur or an ore that contains elemental sulfur and uses air to supply oxygen, the following procedure may be used instead of determining the volumetric flow rate and production rate:
 - (i) The integrated technique of Method 3 is used to determine the O₂ concentration and, if required, CO₂ concentration.
 - (ii) The SO₂ or acid mist emission rate is calculated as described in Permit Condition 16.10(d), substituting the acid mist concentration for C's as appropriate.
 [40 CFR 60.8 and 60.85; PTC No. 077-00006, 6/15/01]

16.11.2 The performance test for NO_x shall be conducted in accordance with IDAPA 58.01.01.157. The test shall use the reference methods and procedures described in 40 CFR 60, Appendix A. Method 7 (or an alternative method approved by DEQ in accordance with IDAPA 58.01.01.157) shall be used to determine the concentration of NO_x.

[PTC No. 077-00006, 6/15/01]

16.11.3 A performance test shall be conducted to evaluate total PM₁₀ from the sulfuric acid plant No. 300 and to establish an emissions factor for setting an emissions limit. The test shall use the reference methods and procedures described in 40 CFR 51, Appendix M. Method 201A and Method 202 (or alternative methods approved by DEQ in accordance with IDAPA 58.01.01.157) shall be used to determine the concentration of PM₁₀.

[PTC No. 077-00006, 6/15/01]

- 16.11.4 The performance test for NH₃ shall be conducted in accordance with IDAPA 58.01.01.157.

 [PTC No. 077-00006, 6/15/01]
- 16.11.5 Visible emissions shall be observed during each performance test run using the methods specified in EPA Reference Method 9 and IDAPA 58.01.01.625.

[40 CFR 60.8 and 60.85; PTC No. 077-00006, 6/15/01]

16.11.6 The production rate in pounds per hour and tons per day and the operating parameters shall be recorded during each performance test.

[PTC No. 077-00006, 6/15/01]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of

the permit.

Permit Limits / Standard Summary

17.1 The SO₂ emissions shall not exceed 4 lb/T of 100% sulfuric acid produced and 999 pounds per each running 3-hour period (whichever is more restrictive). In addition, SO₂ emissions shall not exceed 1,458 T/yr. The ton-per-year emission rate shall be determined by multiplying the actual, or allowable (if actual is not available), pound-per-hour emissions by the actual hours per year the process(es) venting to this stack operate(s).

[40 CFR 60.82(a); Tier II Permit No. 077-00006, 12/3/99]

Sulfuric acid mist emissions shall not exceed 0.15 lb/T of 100% sulfuric acid produced and 12.5 lb/hr (whichever is more restrictive). Sulfuric acid mist emissions shall also not exceed 54.8 T/yr. The ton-per-year emission rate shall be determined by multiplying the actual, or allowable (if actual is not available), pound-per-hour emissions by the actual hours per year the process(es) venting to this stack operate(s).

[40 CFR 60.83(a)(1); Tier II Permit No. 677-00006, 12/3/99]

17.3 Visible emissions shall not exhibit 10% opacity, or greater, as determined using the U.S. EPA Reference Method 9 and procedures in 40 CFR 60.11. The opacity standards set forth here shall apply at all times except during periods of startup, shutdown, and malfunction.

[40 CFR 60.83(a)(2), 40 CFR 60.85(b)(4), 40 CFR 60.11(c); Tier II Permit No. 077-00006, 12/3/99]

- No person shall emit PM to the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in lb/hr, and PW is the process weight in lb/hr.
 - a. If PW is less than 9,250 lb/hr,

 $E = 0.045(PW)^{0.60}$

b. If PW is equal to or greater than 9,250 lb/hr.

 $E = 1.10(PW)^{0.25}$

[IDAPA 58.01.01.701, 4/5/00]

Operating Requirements

17.5 The production rate of sulfuric acid plant No. 400 processes shall be determined during the tests required in Permit Condition 17.10. The maximum production during the following year shall not exceed 105% of the rate achieved during the tests unless Permit Conditions 17.5.1 through 17.5.5 are met.

[Tier II Permit No. 077-00006, 12/3/99]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of

the permit.

17.5.1 The SO₂ monitor is calibrated at least once every 24 hours using certified test gases, one of which has an SO₂ concentration equal to or less than the expected stack gas SO₂ concentration, and one of which has an SO₂ concentration greater than the expected stack gas SO₂ concentration.

[Tier II Permit No. 077-00006, 12/3/99]

17.5.2 The calibrated SO₂ monitor is cross-checked and agrees with the initial compliance test, which demonstrates SO₂ emission limit compliance.

[Tier II Permit No. 077-00006, 12/3/99]

17.5.3 Prior written approval by DEQ is received.

[Tier II Permit No. 077-00006, 12/3/99]

17.5.4 An emission test is performed at the requested increased emission rate, and the test demonstrates that the continuous emission monitor is accurate at the increased rate.

[Tier II Permit No. 077-00006, 12/3/99]

- 17.5.5 The SO₂ and acid mist emission limits will not be violated at the requested increased emission rates.

 [Tier II Permit No. 077-00006, 12/3/99]
- At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions in accordance with 40 CFR 60.11(d).

[40 CFR 60.11(d)]

Monitoring Requirements

17.7 Continuous Emissions Monitoring

- (a) A continuous monitoring system for the measurement of sulfur dioxide shall be installed, calibrated, maintained, and operated by the owner or operator. The pollutant gas used to prepare calibration gas mixtures under Performance Specification 2 and for calibration checks under 40 CFR 60.13(d), shall be sulfur dioxide. Method 8 shall be used for conducting monitoring system performance evaluations under 40 CFR 60.13(c) except that only the sulfur dioxide portion of the Method 8 results shall be used. The span value shall be set at 1000 ppm of sulfur dioxide.
- (b) The owner or operator shall establish a conversion factor for the purpose of converting monitoring data into units of the applicable standard (kg/metric ton, lb/ton). The conversion factor shall be determined, as a minimum, three times daily by measuring the concentration of sulfur dioxide entering the converter using suitable methods (e.g., the Reich test, National Air Pollution Control Administration Publication No. 999-AP-13) and calculating the appropriate conversion factor for each eight-hour period as follows:

CF = k[(1.000 - 0.015r)/(r - s)]

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Where:

CF = conversion factor (kg/metric ton per ppm, lb/ton per ppm).

k = constant derived from material balance. For determining CF in metric units, k = 0.0653. For determining CF in English units, k = 0.1306.

r = percentage of sulfur dioxide by volume entering the gas converter. Appropriate corrections must be made for air injection plants subject to the Administrator's approval.

s = percentage of sulfur dioxide by volume in the emissions to the atmosphere determined by the continuous monitoring system required under paragraph (a) of this section.

- (c) The owner or operator shall record all conversion factors and values under paragraph
- (b) of this section from which they were computed (i.e., CF, r, and s).
- (d) Alternatively, a source that processes elemental sulfur or an ore that contains elemental sulfur and uses air to supply oxygen may use the following continuous emission monitoring approach and calculation procedures in determining SO₂ emission rates in terms of the standard. This procedure is not required, but is an alternative that would alleviate problems encountered in the measurement of gas velocities or production rate. Continuous emission monitoring systems for measuring SO₂, O₂, and CO₂ (if required) shall be installed, calibrated, maintained, and operated by the owner or operator and subjected to the certification procedures in Performance Specifications 2 and 3. The calibration procedure and span value for the SO₂ monitor shall be as specified in paragraph (b) of this section. The span value for CO₂ (if required) shall be 10% and for O₂ shall be 20.9% (air). A conversion factor based on process rate data is not necessary. Calculate the SO₂ emission rate as follows:

$$E_s = (C_sS) / [0.265 - (0.126 \%O_2) - (A \%CO_2)]$$

Where:

E₂ = emission rate of SO₂, kg/metric ton (lb/ton) of 100% of H₂SO₄ produced.

C_s = concentration of SO₂, kg/dscm (lb/dscf).

S = acid production rate factor, 368 dscm/metric ton (11,800 dscf/ton) of 100% H₂SO₄ produced.

 $%O_2$ = oxygen concentration, percent dry basis.

A = auxiliary fuel factor.

= 0.00 for no fuel.

= 0.0226 for methane.

= 0.0217 for natural gas.

= 0.0196 for propane.

= 0.0172 for No 2 oil.

= 0.0161 for No 6 oil.

= 0.0148 for coal.

= 0.0126 for coke.

%CO₂ = carbon dioxide concentration, percent dry basis.

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires: December 24, 2003

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

Note: It is necessary in some cases to convert measured concentration units to other units for these calculations:

Use the following table for such conversions:

g/scm	kg/scm	10-3
mg/scm	kg/scm	10-6
ppm (SO ₂)	kg/scm	2.660 x 10 ⁻⁶
ppm (SO ₂)	lb/scf	1.660 x 10 ⁻⁷

[40 CFR 60.84(a), (b), (c), and (d); Tier ii Permit No. 077-00006, 12/3/99]

- 12.8 Monitoring Ground Level Ambient SO₂ Concentrations
- 17.8.1 The permittee shall, by September 30, 1976, install, calibrate, maintain and operate a network for continuously monitoring ground-level ambient SO₂ concentrations along with wind speed and direction in accordance with 40 CFR 52.675(b)(7).

[40 CFR 52.675(b)(7); Tier ii Permit No. 077-00006, 12/3/99]

17.8.2 The permittee shall operate the SO₂ monitors in their present locations, as specified in 40 CFR 50 and 40 CFR 58. For specific methods and quality control, follow EPA's "Quality Assurance Handbook for Air Pollution Measurement Systems".

[Tier II Permit No. 077-00006, 12/3/99]

- Annual audits of the monitor's performance will be conducted by DEQ or other auditors approved by DEQ. Audit results will be sent in writing to DEQ within 45 days after the audit and will be performed in accordance with 40 CFR 58.
- Opacity shall be determined using the Method 9 procedures contained in IDAPA 58.01.01.625. On a monthly basis, the permittee shall monitor and record the visible emissions observations complete with conditions at the time of observation. The records shall be kept at the facility for the most recent five-year period and shall be made available to DEQ representatives upon request.

[IDAPA 58.01.01.322.07, 5/1/94; PTC No. 077-00006, 6/15/01]

Performance Tests and Compliance Procedures

17.10 Annual SO₂ and H₂SO₄ mist emissions tests shall be performed. All emission tests shall be performed at the process equipment's maximum operating rate.

[Tier II Permit No. 077-00006, 12/3/99]

17.11 (a) In conducting the performance tests, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of 40 CFR 60 or other methods and procedures as specified in this section, except as provided in 40 CFR 60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

Permittee: J.R. Simplot Co. - Don Siding Plant | Project No. | Date Issued: April 5, 2004

Location: Pocatello, Idaho T1-9507-114-1 Date Expires: December 11-9507-114-1

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions of the permit.

- (b) The owner or operator shall determine compliance with the SO₂, acid mist, and visible emission standards in Permit Conditions 17.1, 17.2, and 17.3 as follows:
- (1) The emission rate (E) of acid mist or SO₂, shall be computed for each run using the following equation:

$$E = (CQ_{ad}) / (PK)$$

Where:

E = emission rate of acid mist or SO₂ kg/metric ton (lb/ton) of 100% H₂SO₄ produced.

C = concentration of acid mist or SO₂, g/dscm (lb/dscf).

Q_{sd} = volumetric flow rate of the effluent gas, dscm/hr (dscf/hr).

P = production rate of 100% H₂SO₄, metric ton/hr (ton/hr).

K = conversion factor, 1000 g/kg (1.0 lb/lb).

- (2) Method 8 shall be used to determine the acid mist and SO₂ concentrations (C's) and the volumetric flow rate (Q_{sd}) of the effluent gas. The moisture content may be considered to be zero. The sampling time and sample volume for each run shall be at least 60 minutes and 1.15 dscm (40.6 dscf).
- (3) Suitable methods shall be used to determine the production rate (P) of 100% H₂SO₄ for each run. Material balance over the production system shall be used to confirm the production rate.
- (4) Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity.
 - (c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:
 - (1) If a source processes elemental sulfur or an ore that contains elemental sulfur and uses air to supply oxygen, the following procedure may be used instead of determining the volumetric flow rate and production rate:
 - (i) The integrated technique of Method 3 is used to determine the O₂ concentration and, if required, CO₂ concentration.
 - (ii) The SO₂ or acid mist emission rate is calculated as described in Permit Condition 17.7, substituting the acid mist concentration for C's as appropriate.

[IDAPA 58.01.01.322.06, 5/1/94; Tier II Permit No. 077-00006, 12/3/98]

Reporting Requirements

17.12 For the purpose of reports required under 40 CFR 60.7(c), periods of excess emissions shall be defined as all three-hour periods (or the arithmetic average of three consecutive one-hour periods) during which the integrated average SO₂ emissions exceed the applicable standards in Permit Condition 17.1.

[40 CER 60.84(e)]

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

IN	THE	MAT	TER	OF
----	-----	-----	-----	----

J. R. Simplot Company – Don Siding Plan Highway 30 and I-86	nt
Pocatello, Idaho	

COMPLIANCE AGREEMENT & VOLUNTARY ORDER
Idaho Code § 39-116A

- 1. Pursuant to Idaho Environmental Protection and Health Act (EPHA), Idaho Code § 39-116A, the Idaho Department of Environmental Quality (DEQ) enters into this Compliance Agreement and Voluntary Order (Agreement) with J. R. Simplot Company (Simplot), a Nevada Corporation.
- 2. Simplot owns and operates a fertilizer manufacturing plant in Pocatello, Idaho. The plant is known as the Don Siding Plant (Don Plant), an air pollution source regulated under the EPHA and the Rules for the Control of Air Pollution in Idaho (Rules), IDAPA 58.01.01.001 through 999.
- 3. Section 172(c)(1) of the Clean Air Act requires state implementation plans for nonattainment areas to implement reasonably available control measures (RACM), including reasonably available control technology (RACT), for existing stationary sources. 42 USC 7502(c)(1).
- 4. The Don Plant is located within the Portneuf Valley PM₁₀ nonattainment area. The Environmental Protection Agency determined that the Portneuf Valley area met the PM₁₀ standard by the attainment date of December 31, 1996. 67 Fed. Reg. 48552 (July 25, 2002). The State of Idaho is submitting a SIP containing RACT/RACM to EPA to support its request to redesignate the area to attainment under section 107(d)(3) of the Clean Air Act. 42 USC 7407(d)(3).
- 5. DEQ has determined that the provisions of this Agreement constitute RACT for PM₁₀ emissions and secondary aerosol (PM₁₀) emissions of NO_x and SO₂ in light of the attainment needs of the area for the specific sources listed. DEQ assessment of the RACT documentation is contained in the Reasonably Available Control Technology Analysis.
- 6. The Don Plant has existing limits in Tier I Operating Permit No. 077-00006, dated April 5, 2004, that are considered RACT for the following sources and pollutants:

No. 300 Sulfuric Acid Plant: SO₂, NO_x and NH₃

No. 400 Sulfuric Acid Plant: SO₂

No. 400 Phosphoric Acid Plant: PM₁₀ Granulation No. 3 Plant: PM₁₀

Reclaim Cooling Towers: PM₁₀

B&W Boiler: NO_x HPB&W Boiler: NO_x

7. In order to resolve this matter without litigation or further controversy, and making no

admission of fact or law, Simplot agrees to the provisions of this Agreement and the following terms and actions which shall be implemented to set RACT limits at the Don Plant.....

NO. 300 SULFURIC ACID PLANT

8. Emissions from the No. 300 sulfuric acid plant shall not exceed the emissions limits in Table 1.

Table 1. NO. 300 SULFURIC ACID PLANT EMISSIONS LIMITS

Source Description	PR North	la Tiya	NO.
No. 300 Sulfuric Acid Plant Stack	Note A	Note A	16.0

1 24-hour average

Note A: Limit shall be set in accordance with condition 9

9. The hourly PM₁₀ RACT emissions limit (pounds per hour) for the No. 300 sulfuric acid plant shall be set by conducting five performance tests on the sulfuric acid plant stack. The limit will be determined based on the 95% confidence interval: limit = average of five tests plus 1.96 times the standard deviation of the five tests. The annual PM₁₀ RACT limit (tons per year) shall be set by multiplying the pound per hour RACT limit by 8760 hours per year and dividing by 2000 pounds per ton. The first performance test shall be conducted prior to December 30, 2004, and tests shall be conducted annually thereafter. The sum of the emissions measured from Method 5 and 202 shall be considered PM₁₀.

NO. 400 SULFURIC ACID PLANT

10. Emissions from the No. 400 sulfuric acid plant shall not exceed the emissions limits in Table 2.

Table 2. NO. 400 SULFURIC ACID PLANT EMISSIONS LIMITS

1	No. 400 Sulfuric Acid Plant Stack	Note A	Note A	Note B	Note B	
l	Source Description	lb/hr ¹	Thys	lb/hr ¹	T/yr	
		P)	M _u	· N	0 _x	

1 24-hour average

Note A: Limit shall be set in accordance with condition 11 Note B: Limit shall be set in accordance with condition 12

11. The hourly PM₁₀ RACT emissions limit (pounds per hour) for the No. 400 sulfuric acid plant shall be set by conducting five performance tests on the sulfuric acid plant stack. The limit will be determined based on the 95% confidence interval: limit = average of five tests plus 1.96 times the standard deviation of the five tests. The annual PM₁₀ RACT limit (tons per year) shall be set by multiplying the pound per hour RACT limit by 8760 hours per year and dividing by 2000 pounds per ton. The first performance test shall be conducted prior to December 30, 2004, and tests shall be conducted annually thereafter. The sum of the emissions measured from Method 5 and 202 shall be considered PM₁₀.

- 12. The hourly NO_x RACT emissions limit (pounds per hour) for the No. 400 sulfuric acid plant shall be set by conducting five performance tests on the sulfuric acid plant stack. The limit will be determined based on the 95% confidence interval: limit = average of five tests plus 1.96 times the standard deviation of the five tests. The annual NO_x RACT limit (tons per year) shall be set by multiplying the pound per hour RACT limit by 8760 hours per year and dividing by 2000 pounds per ton. The first performance test shall be conducted prior to December 30, 2004, and tests shall be conducted annually thereafter.
- 13. The permittee shall monitor and record the production rate of the No. 400 sulfuric acid plant in tons per hour, tons per rolling 24-hour period, and tons per any consecutive 12-month period.

GRANULATION NO. 1 PLANT

14. Emissions from the granulation No. 1 plant shall not exceed the emissions limits in Table 3.

Table 3. GRANULATION NO. 1 PLANT EMISSIONS LIMITS

	PM/	PM ₁₀
Source Description	lb/hr	T/yr
Reactor/granulator stack		
Dryer stack	10.9	47.7
Baghouse stack		

GRANULATION NO. 2 PLANT

15. Emissions from the granulation No. 2 plant shall not exceed the emissions limits in Table 4.

Table 4. GRANULATION NO. 2 PLANT EMISSIONS LIMITS

Baghouse stack	10.7	40.3
Tailgas scrubber stack	10.7	46.9
Source Description	light	T/yr
Source Description	PM	PM ₁₈

COMPLIANCE AND PERFORMANCE TESTING

- 16. All 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 the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is strongly encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:
 - The type of method to be used

(

- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

J. R. Simplot – Don Siding Plant Compliance Agreement, Page 3

DEQ REVIEW AND APPROVAL PROCESS

17. All correspondence sent by Simplot to DEQ shall be addressed to:

Niffany Floyd
Air Quality Manager
Idaho Department of Environmental Quality
Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201

and a copy shall also be sent to:

Pat Nair
Stationary Source Program Manager
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706

18. All correspondence sent by DEQ to Simplot shall be addressed to:

Delbert Butler
Plant Manager
J. R. Simplot Company – Don Siding Plant
P. O. Box 912
Pocatello, ID 83204

and a copy shall also be sent to:

Alan Prouty
Director, Environmental & Regulatory Affairs
J. R. Simplot Company
P. O. Box 27
Boise, ID 83707

Terry T. Uhling Sr. VP, Sec. & Gen. Counsel J.R. Simplot Company PO Box 27 Boise, ID 83707

- 19. This Agreement shall not relieve Simplot from its obligation to comply with any of the provisions of the EPHA, the Rules, any provisions of an air quality permit issued by DEQ to Simplot, or other applicable local, state, or federal law and regulations
- 20. Simplot expressly recognizes that failure to comply with the terms of this Agreement may result in a district court action for specific performance of the Agreement, civil penalties, assessment of costs, restraining orders, injunctions and other relief available under law.
- 21. If any event occurs that causes, or may cause, delay in the achievement of any requirement of this Agreement, Simplot shall notify DEQ in writing within ten days of the date Simplot knew, or should have known, of the delay. Any notice under this paragraph shall describe in detail the anticipated length of the delay, all anticipated consequences of the delay, measures taken by Simplot to prevent or minimize the delay, and a timetable by which those measures shall be implemented. Simplot shall utilize all reasonable measures to avoid or minimize

any such delay. If DEQ determines that the delay or anticipated delay in achieving any requirements of this Agreement has been or will be caused by circumstances beyond the reasonable control of Simplot, DEQ may grant an extension for a period equal to the length of the delay. The burden of proving that any delay is eaused by circumstances beyond the reasonable control of Simplot shall rest wholly with Simplot.

- 22. The Parties may modify the terms and conditions of this Agreement by a writing signed by both Parties. Any such written modification shall be incorporated into this Agreement and be enforceable as if included herein.
- 23. The effective date of this Agreement shall be the date of the signature by the Director of the Idaho Department of Environmental Quality.

DATED THIS $\frac{13}{}$ day of $\frac{AD^{(1)}}{}$, 20	DATED THIS	13	day of	April	, 2	004
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TERRY UNLING, SENJOR VP, SEC & GENERAL COUNSEL AUTHORIZED REPRESENTATIVE OF J. R. SIMPLOT COMPANY – DON SIDING PLANT

DATED THIS 16th day of april , 2004

C. STEPHEN ALLRED, DIRECTOR

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

The Amalgamated Sugar Company LLC – Nampa Factory T2–2009.0105 12/23/11

EPA-APPROVED IDAHO SOURCE-SPECIFIC REQUIREMENTS

The following conditions: 1.2, including the table of Regulated Emission Point Sources Table, 3.2, 3.3 (first paragraph only), 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.11, 3.13, 3.14, 3.15, 3.16, and 4.1.



Air Quality TIER II OPERATING PERMIT

State of Idaho **Department of Environmental Quality**

PERMIT No.: T2-2009.0105

FACILITY ID No.: 027-00010

AQCR: 64

CLASS:

ZONE: 11 Α

SIC:

2063 **NAICS**:

311313

UTM COORDINATE (km): 534.5, 4828.0

1. PERMITTEE

The Amalgamated Sugar Company LLC - Nampa Factory (TASCO)

2. PROJECT

Project No. 60867, BART Tier II Operating Permit

3. MAILING ADDRESS	CITY	STATE	ZIP
P.O. Box 8787	Nampa	ID	83653-8787
4. FACILITY CONTACT	TITLE	TELEPHONE	
Glen Patrick	Plant Environmental Manager	(208) 468-6883	
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	
Kent Quinney	Plant Manager	(208) 466-3541	
6. EXACT PLANT LOCATION	COUNTY		
138 W. Karcher Ave., Nampa, Idaho		Canyon	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Beet Sugar Manufacturing

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400 through 410, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

Changes in design, equipment or operations may be considered a modification. Modifications are subject to DEO review in accordance with IDAPA 58.01.01.200 through 228 of the Rules for the Control of Air Pollution in Idaho.

MORRIE LEWIS, PERMIT WRITER

DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER DEPARTMENT OF ENVIRONMENTAL QUALITY

December 23, 2011

Date Modified/Revised:

Date Expires:

Date Issued:

December 23, 2016

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Acronyms, Units, and Chemical Nomenclature

AQCR Air Quality Control Region

BART Best Available Retrofit Technology

B&W Babcock & Wilcox

CAA Clean Air Act

CAM Compliance Assurance Monitoring

CFR Code of Federal Regulations

CO carbon monoxide

DEQ Department of Environmental Quality
EPA U.S. Environmental Protection Agency

fpm feet per minute gpm gallons per minute

IDAPA a numbering designation for all administrative rules in Idaho promulgated in accordance with

the Idaho Administrative Procedures Act

iwg inches of water gauge lb/hr pounds per hour

lb steam/hr pounds of steam output per hour
LNBs low NO_x burners when firing coal
MMBTU/hr million British thermal units per hour
MMscf/hr million standard cubic feet per hour
NAAQS National Ambient Air Quality Standards

NAICS North American Industry Classification System

NO₂ nitrogen dioxide NO_x nitrogen oxides

NSPS New Source Performance Standards

O&M operations and maintenance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a nominal 10

micrometers

PSD prevention of significant deterioration of air quality

SIC Standard Industrial Classification

SIP State Implementation Plan

 SO_2 sulfur dioxide SO_x sulfur oxides TAP toxic air pollutants

TASCO The Amalgamated Sugar Company, LLC – Nampa Factory

T/hr tons per hour
U.S.C. United States Code

UTM Universal Transverse Mercator
VOC volatile organic compounds

1. TIER II OPERATING PERMIT SCOPE

Purpose

1.1 The purpose of this Tier II Operating Permit is to establish Best Available Retrofit Technology (BART) and BART Alternative emission standards and requirements for the TASCO Riley Boiler and Nampa factory in accordance with 40 CFR 51.308(e) and IDAPA 58.01.01.668.

This permit is not effective until a revised Regional Haze State Implementation Plan (RH SIP) is approved by the U.S. Environmental Protection Agency (EPA) which incorporates BART requirements from this permit.

Upon the effective date of a revised RH SIP, this permit supersedes Tier II Operating Permit No. T2-2009.0105 issued on September 7, 2010.

Regulated Sources

1.2 The emission sources regulated by this permit are listed in the following Regulated Emission Point Sources Table.

REGULATED EMISSION POINT SOURCES TABLE

Permit Section	Source De	scription	Control Equ	uipment Descriptions
2 & 3	Riley Boiler (S-B3) Installation Date: Rated steam capacity: Maximum capacity: Maximum operation: Fuel types:	1969 250,000 lb steam/hr 350 MMBTU/hr 8,760 hr/yr coal, natural gas	Baghouse (A-B3) Manufacturer: Control efficiency: Coal-Firing LNBs Control efficiency:	Envirotech Corp. ≥99.0% for PM (BART for PM)
	B&W Boiler #1 (S-B1)			(BART for NO _x)
2 & 3	Installation Date: Rated steam capacity: Maximum capacity: Maximum operation: Fuel types:	1942 105,000 lb steam/hr 126 MMBTU/hr 8,760 hr/yr coal, natural gas	Coal-Firing LNBs Control efficiency:	≥55% for NO _x (BART Alternative for SO ₂)
2 00 3	B&W Boiler #2 (S-B2)		Coal-Firing LNBs	
	Installation Date: Rated steam capacity: Maximum capacity: Maximum operation: Fuel types:	1942 105,000 lb steam/hr 126 MMBTU/hr 8,760 hr/yr coal, natural gas	Control efficiency:	≥55% for NO _x (BART Alternative for SO ₂)
2 & 4	Pulp Dryers (S-D1, S-D2,	and S-D3)	Permanent shutdown	(BART Alternative for SO ₂

2. FACILITY-WIDE CONDITIONS

Obligation to Comply

2.1 Receiving a Tier II operating permit shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and regulations, in accordance with IDAPA 58.01.01.406.

Incorporation of Federal Requirements by Reference

- 2.2 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, in accordance with IDAPA 58.01.01.107. Documents include, but are not limited to:
 - Protection of Visibility, 40 CFR Part 51, Subpart P, Section 308 Best Available Retrofit Technology (BART) requirements

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as BART and CAM), 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.

DEQ Address

2.3 Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, notifications of intent to test, testing reports, or compliance certifications, 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. Any reporting required by this permit shall be submitted to the following address:

Air Quality Permit Compliance Department of Environmental Quality Boise Regional Office 1445 N. Orchard Boise, ID 83706

Phone: (208) 373-0550 Fax: (208) 373-0287

Performance Testing

2.4 When testing is required, the following test methods shall be used to measure the pollutant emissions unless otherwise approved by DEQ in accordance with IDAPA 58.01.01.157.

TEST METHODS

Pollutant	Test Method
PM ₁₀	EPA Method 201.a and Method 202
NO _x	EPA Method 7
SO ₂	EPA Method 6
CO	EPA Method 10

3. BOILERS

3.1 Process Description

The Nampa factory operates three industrial boilers each fired by pulverized coal and/or natural gas to supply steam and generate electricity for processing of sugar beets into sugar and byproducts, including animal feed at the Nampa facility. These boilers are the one Riley Boiler and two Babcock & Wilcox (B&W) Boilers.

3.2 BART and BART Alternative Control Equipment Descriptions

- BART for the control of PM emissions is the existing Baghouse (A-B3) on the Riley Boiler.
- BART for the control of NO_x emissions is Coal-Firing LNBs on the Riley Boiler.
- The BART Alternative to the control of SO₂ emissions is Coal-Firing LNBs on B&W Boiler #1 and Coal-Firing LNBs on B&W Boiler #2 for the control of NO_x, and shutdown of the three coal-fired Pulp Dryers (S-D1, S-D2, and S-D3) for the control of PM, NO_x, and SO₂.

Compliance Dates

3.3 BART 40 CFR 51.308, Subpart P – BART Control Equipment Installation and Operation Due Date

Unless the Riley Boiler is fired with natural gas only, the permittee shall install and operate BART and BART Alternative controls (Permit Conditions 3.6 and 3.7) as expeditiously as practicable, but in no event later than July 22, 2016, in accordance with IDAPA 58.01.01.668.04 and 40 CFR 51.308(e)(1)(iv).

The permittee may submit a request to obtain DEQ-approved BART alternatives and to revise this permit in accordance with IDAPA 58.01.01.404.04. DEQ will process the request in accordance with IDAPA 58.01.01.404. The request must be submitted timely such that any revisions to this permit and the corresponding revision to the RH SIP are approved prior to July 22, 2016. Pursuant to Section 110(k)(2) of the Clean Air Act, EPA has 12 months to act on a requested SIP revision.

Emissions Limits

3.4 BART 40 CFR 51.308, Subpart P – BART Emission Limits

On and after July 22, 2016, emissions from the Riley Boiler shall not exceed any corresponding emission rate limit listed in the following BART Emission Limits Table, in accordance with 40 CFR 51.308(e) and IDAPA 58.01.01.668.

BART EMISSION LIMITS TABLE (a)

Source Description	PM ₁₀ lb/hr ^{(b)(c)}	NO _x lb/hr ^{(b)(c)}
Riley Boiler	12.4	147

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping requirements.

3.5 BART 40 CFR 51.308, Subpart P – BART Alternative Emission Limits

At all times the Riley Boiler is fired with coal on and after July 22, 2016, emissions from the B&W Boiler #1 and B&W Boiler #2 combined shall not exceed any corresponding emission rate limit listed in the following BART Alternative Emission Limits Table, in accordance with 40 CFR 51.308(e) and IDAPA 58.01.01.668.

Pounds per hour as determined by the prescribed test method (Permit Condition 2.4), or alternative test method approved by DEQ in accordance with IDAPA 58.01.01.157.

c) BART emission rate limit established pursuant to 40 CFR 51.308(e).

BART ALTERNATIVE EMISSION LIMITS TABLE (a)

Source Description	NO _x lb/hr ^{(b)(c)}
B&W Boiler #1 and B&W Boiler #2, combined	103

- In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping requirements.
- Pounds per hour as determined by the prescribed test method (Permit Condition 2.4), or alternative test method approved by DEQ in accordance with IDAPA 58.01.01.157.
- barr Alternative emission rate limit established pursuant to 40 CFR 51.308(e)(2).

Operating Requirements

3.6 BART 40 CFR 51.308, Subpart P – Baghouse Control Equipment

At all times the Riley Boiler is fired with coal on and after July 22, 2016, the permittee shall operate Baghouse (A-B3) to control PM emissions from the Riley Boiler to ensure compliance with the PM₁₀ emission limit (Permit Condition 3.4), in accordance with 40 CFR 51.308(e) and IDAPA 58.01.01.668. The baghouse need not be operated during periods when the Riley Boiler is being fired exclusively with natural gas.

3.7 BART 40 CFR 51.308, Subpart P – Coal-Firing LNBs

At all times the Riley Boiler is fired with coal on and after July 22, 2016, the permittee shall:

- Operate Riley Boiler Coal-Firing LNBs at all times the Riley Boiler is fired by coal, to ensure compliance with the relevant NO_x emission limit (Permit Condition 3.4). The Coal-Firing LNBs shall have a maximum rated heat input capacity (highest heating value) of less than or equal to 350 MMBTU/hr.
- Operate B&W Boiler #1 Coal-Firing LNBs at all times the B&W Boiler #1 is fired by coal, to ensure compliance with the relevant NO_x emission limit (Permit Condition 3.5). The Coal-Firing LNBs shall have a maximum rated heat input capacity (highest heating value) of less than or equal to 126 MMBTU/hr.
- Operate B&W Boiler #2 Coal-Firing LNBs at all times the B&W Boiler #2 is fired by coal, to ensure compliance with the relevant NO_x emission limit (Permit Condition 3.5). The Coal-Firing LNBs shall have a maximum rated heat input capacity (highest heating value) of less than or equal to 126 MMBTU/hr.

3.8 BART 40 CFR 51.308, Subpart P - Maintenance of BART Equipment

On and after July 22, 2016 the permittee shall maintain each required BART control equipment (if required by Permit Conditions 3.3 or 3.6) and establish procedures to ensure such equipment is properly operated and maintained, in accordance with IDAPA 58.01.01.668.05 and 40 CFR 51.308(e)(1)(v).

3.9 Riley Boiler Fuels

- Unless complying with the Coal-Firing LNBs requirements (Permit Condition 3.7), on and after July 22, 2016 the Riley Boiler shall be fired using natural gas only.
- On and after July 22, 2016, the Riley Boiler shall not be fired with coal until such date that the Coal-Firing LNBs are installed and operated in accordance with Permit Condition 3.7.

T2-2009.0105 PROJ 60867 Page 7

Monitoring and Recordkeeping Requirements

3.10 Operation and Maintenance Manuals

Within 180 days after installation of Coal-Firing LNBs (Permit Condition 3.7), the permittee shall develop and submit to DEQ an Operation and Maintenance (O&M) manual for review and comment at the address provided (Permit Condition 2.3). Any changes to the O&M manual shall be submitted to DEQ for review and comment within 15 days of the change.

- The O&M manual shall describe for the installed control equipment described in the Regulated Emission Point Sources Table (Permit Condition 1.2), procedures that will be followed to ensure compliance with emission limits (Permit Conditions 3.4 and 3.5), the maintenance of BART equipment requirement (Permit Condition 3.8), the control equipment maintenance and operation general provision (General Provision 2), and the manufacturer's specifications. The O&M manual shall be developed by the permittee based upon, but independent of, the manufacturer supplied operating manual(s).
- The permittee shall operate control equipment in accordance with the O&M manual. The procedures specified in the O&M manual are incorporated by reference into this permit and are enforceable permit conditions. The O&M manual and copies of any manufacturer's manual(s) and recommendations shall remain on site at all times and shall be made available to DEQ representatives upon request.
- Procedures for periodic calibration of the pressure drop monitor associated with Baghouse (A-B3), including calibration to an accuracy of within ±5% inches of water gauge. The monitor shall be calibrated on at least an annual basis or as specified by the manufacturer.

Performance Testing Requirements

3.11 BART Initial Performance Tests

- On or before December 20, 2016, performance tests shall be conducted on the Riley Boiler exhaust to demonstrate compliance with the following emission limit, in accordance with IDAPA 58.01.01.405 and IDAPA 58.01.01.157:
 - The Riley Boiler PM₁₀ emission limit in pounds per hour (Permit Condition 3.4)
- Within 180 days of initial startup of Coal-Firing LNBs (Permit Condition 3.7), performance tests shall be conducted on the Riley Boiler exhaust and the B&W Boilers exhaust to demonstrate compliance with the following emission limits, in accordance with IDAPA 58.01.01.405 and IDAPA 58.01.01.157:
 - The Riley Boiler NO_x emission limit in pounds per hour (Permit Condition 3.4)
 - The B&W Boilers combined NO_x emission limit in pounds per hour (Permit Condition 3.5)

3.12 CO Initial Performance Tests

Within 180 days of initial startup of the Coal-Firing LNBs (Permit Condition 3.7), performance tests shall be conducted on the Riley Boiler and B&W Boilers exhaust stacks to determine the following emission rates, in accordance with IDAPA 58.01.01.405 and IDAPA 58.01.01.157:

- The Riley Boiler CO emissions in pounds per hour,
- The B&W Boilers combined CO emissions in pounds per hour

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3.13 Periodic Performance Testing

After completing the BART initial performance tests, performance tests to determine PM_{10} and NO_x emissions from the Riley Boiler exhaust and to determine NO_x emissions from the B&W Boilers exhaust shall be conducted as described in Permit Condition 3.11 during the Beet Campaign each year, in accordance with IDAPA 58.01.01.405 and IDAPA 58.01.01.157, unless another testing frequency has been approved by DEQ. For the purposes of this requirement, the Beet Campaign shall be defined as October through February of each year.

3.14 Performance Test Conditions, Monitoring, and Recordkeeping

Each required performance test (Permit Conditions 3.11 through 3.13) shall be conducted using an approved test method (Permit Condition 2.4) and under the following conditions unless otherwise approved by DEQ, in accordance with IDAPA 58.01.01.405, IDAPA 58.01.01.157, and General Provision 6:

- Emissions shall be measured while combusting coal fuel in the boiler(s) being tested
- Three separate test runs shall be conducted for each performance test
- The permittee shall monitor and record the following during each performance test for the boiler tested, unless otherwise approved by DEQ:
 - Steam production rate of the boiler, in pounds per hour (lb steam/hr), once every 15 minutes;
 - Coal feed rate to the boiler, in tons per hour (T/hr), once every 15 minutes (the coal feed rate may
 be determined using alternate relevant operational parameter(s) and a calculation method which
 has been approved by DEQ);
 - Natural gas firing rate of the boiler, in million standard cubic feet per hour (MMscf/hr), once every 15 minutes;
 - Highest heating value and analysis results of the coal fuel fired, including ash content; and
 - Pressure drop across Baghouse (A-B3) during each Riley Boiler PM₁₀ test, in inches water gauge (iwg), once every 15 minutes.

3.15 Performance Test Reporting

The permittee shall submit performance test reports to DEQ which include records of the monitoring required (Permit Condition 3.14) and in accordance with the performance testing general provision (General Provision 6). Performance test reports shall be submitted by the permittee to the DEQ address provided (Permit Condition 2.3).

Compliance Notifications

3.16 BART Compliance Notifications

- If coal-firing LNBs have not been installed by July 22, 2016 (Permit Condition 3.7), the permittee shall provide written notification to DEQ describing the method(s) used on the Riley Boiler to disable coal-firing and to ensure that coal is not fired in the Riley Boiler (Permit Condition 3.9) until the coal-firing LNBs have been installed.
- Notification of the anticipated date of initial startup of Coal-Firing LNBs (Permit Condition 3.7) shall be provided not more than sixty days or less than thirty days prior to such date as provided in General Provision 5.
- Notifications shall be submitted to the DEQ address provided (Permit Condition 2.3).

4. SOUTH PULP DRYER

Operating Requirements

4.1 BART 40 CFR 51.308, Subpart P - Shutdown of South Pulp Dryer

The permittee shall permanently shut down the South Pulp Dryer (S-D1).

5. TIER II PERMIT TO OPERATE GENERAL PROVISIONS

General Compliance

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 and 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.]

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 58.01.01.405, 5/1/94]

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 58.01.01.406, 5/1/94]

Inspection and Entry

- 4. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
 - a. Enter upon the permittee's premises where an emissions source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d. 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

- 5. The permittee shall furnish DEQ written notifications as follows:
 - a. A notification of the date of initiation of construction, within five working days after occurrence;
 - b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;
 - c. 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;
 - d. A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and

e. A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.405, 5/1/94]

Performance Testing

6. 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.

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.

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

7. The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Records of monitoring information 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 and 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 58.01.01.405, 5/1/94]

Excess Emissions

8. The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

Certification

9. 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

10. 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

11. 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]

Expiration and Renewal

12. This permit shall be renewable on the expiration date, provided the permittee submits an application for renewal to the Department and continues to meet all terms and conditions contained in the permit. The expiration of this permit will not affect the operation of the stationary source of facility during the administrative procedure period associated with the permit renewal process.

[IDAPA 58.01.01.404.04, 7/1/02]

Transferability

13. This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.404.05.

[IDAPA 58.01.01.404.05, 4/11/06]

P4 Production, L.L.C., Soda Springs, Idaho T2-2009.0109 11/17/2009

EPA-APPROVED IDAHO SOURCE-SPECIFIC REQUIREMENTS

The following conditions: 1.2 (including Table 1.1), 2.3, 2.4, 2.5, 2.6, 2.7, and 2.8.



Air Quality TIER II OPERATING PERMIT

State of Idaho **Department of Environmental Quality**

PERMIT No.: T2-2009.0109

FACILITY ID No.: 029-00001

AQCR: 61

CLASS:

ZONE: 12

SIC:

2819

NAICS:

325188

A

UTM COORDINATE (km): 452.0, 4726.0

1. PERMITTEE

P4 Production, L.L.C.

2. PROJECT

DEQ-initiated BART Tier II operating permit

3. MAILING ADDRESS P. O. Box 816	CITY Soda Springs	STATE ID	ZIP 83276
4. FACILITY CONTACT Carol Adams	TITLE Senior Environmental Engineer	TELEPHON (208) 547-122	
5. RESPONSIBLE OFFICIAL Sheldon D. Alver	TITLE Plant Manager	TELEPHONE (208) 547-1318	
6. EXACT PLANT LOCATION Two miles north of Soda Springs, Idaho, on Highway 34		COUNTY Caribou	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Elemental phosphorus production

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400 through 410, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit has been granted on the basis of design information presented with its application. Changes in design, equipment or operations may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 through 228 of the Rules for the Control of Air Pollution in Idaho.

CAROLE ZUNDEL, PERMIT WRITER

DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER

DEPARTMENT OF ENVIRONMENTAL QUALITY

Date Issued: November 17, 2009 Date Modified/Revised: November 17, 2014 **Date Expires:**

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	NYMS, UNITS, AND CHEMICAL NOMENCLATURE TIER II OPERATING PERMIT SCOPE PHOSPHATE ORE NODULIZING KILN TIER II PERMIT TO OPERATE GENERAL PROVISIONS

Acronyms, Units, and Chemical Nomenclature

AQCR Air Quality Control Region

BART Best available retrofit technology
CFR Code of Federal Regulations

DEQ Department of Environmental Quality
EPA U.S. Environmental Protection Agency

IDAPA a numbering designation for all administrative rules in Idaho promulgated in accordance with

the Idaho Administrative Procedures Act

km kilometers

lb/hr pounds per hour

LCDA lime concentrated dual alkali

NAICS North American Industry Classification System

O&M operations and maintenance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a nominal 10

micrometers

SIC Standard Industrial Classification

SO₂ sulfur dioxide T/yr tons per year

UTM Universal Transverse Mercator

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1. TIER II OPERATING PERMIT SCOPE

Purpose

1.1 The purpose of this permit is to establish permit requirements as required in 40 CFR 51.308(e) and IDAPA 58.01.01.668 for Best Available Retrofit Technology (BART).

Regulated Sources

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

Table 1.1 REGULATED SOURCES

Permit Section	Source Description	Emissions Control
2.0	Kiln	Four parallel Hydro-Sonic scrubbers SO ₂ scrubbing system (LCDA)

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2. PHOSPHATE ORE NODULIZING KILN

2.1 Process Description

Phosphate ore must be nodulized in a rotary kiln in preparation for use in the furnace feedstock. Blended ore is added to the kiln where it is heated to the point of incipient fusion. The tumbling action of the kiln causes the ore to agglomerate into balls referred to as raw nodules. These raw nodules pass through a cooling and crushing process. A portion of the resulting raw nodules is routed directly into the nodule crushing and screening process while the remainder of the raw nodules is stockpiled for future use. The kiln's exhaust gas is routed through an emission control system that includes a dust knockout chamber for large particulate removal, a spray tower used to capture soluble gases and fine particulate matter, and four parallel hydrosonic scrubbing systems that remove submicron dust particles and entrained particulate-laden water. The nodule cooling process generates both point and fugitive particulate matter that is controlled by a wet scrubbing system.

2.2 Emission Control Description

P4 Production's phosphate ore nodulizing kiln has particulate emissions, including polonium-210, and SO₂ emissions. The particulate emissions are controlled by a dust knockout chamber, North spray tower, eight parallel cyclonic separators, four parallel Hydro-Sonic scrubbers and demisters, and SO₂ scrubbing system. A spray tower controls emissions from the nodule cooler. The kiln SO₂ emissions are controlled by a lime concentrated dual alkali (LCDA) SO₂ scrubbing system. This system consists of Hydro-Sonic scrubbers that absorb SO₂ with a solution of sodium salts. Some sodium sulfate is produced. The spent solution of sodium sulfite/bisulfite/sulfate is continuously withdrawn to a dual-reactor system, where it is reacted with hydrated lime. The lime regenerates the scrubbing solution and precipitates calcium sulfite/sulfate solids. The solids are removed from the system through thickening and filtration, and the regenerated solution is returned to the scrubber as feed material. The LCDA installation includes raw material storage tanks, two reactor tanks, thickener/clarifier, filtration (feed tank with vacuum filtering process), and a double lined landfill with leachate collection.

Table 2.1 KILN DESCRIPTION

Emissions Unit(s) / Process(es)	SO ₂ Emissions Control Device
Kiln	Four parallel Hydro-Sonic scrubbers LCDA SO ₂ scrubbing system

Emissions Limits

2.3 BART 40 CFR 51.308(e) Emission Limits

Emissions from the kiln shall not exceed 143 lb/hr, on a three-hour average, of SO₂ in accordance with 40 CFR 51.308(e).

Operating Requirements

2.4 BART 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05 pH Limit

The one-hour average pH of the scrubbing solution measured in the recirculation tank shall not be less than 6.1 in accordance with 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05.

Monitoring and Recordkeeping Requirements

2.5 BART 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05 Hydrosonic and LCDA Scrubbing System Operation

The hydrosonic and LCDA scrubbing system shall be operated any time the kiln is in operation in accordance with 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05.

2.6 BART 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05 pH Monitoring Requirement

The permittee shall monitor and record the pH of the scrubbing solution measured in the recirculation tank at least once per hour when the system is operating in accordance with 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05. The record shall be kept at the facility for the most recent five-year period and shall be made available to Department representatives upon request.

2.7 BART 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05 Operations and Maintenance Manual

Within 60 days after startup, the permittee shall have developed an O&M manual for the hydrosonic scrubber system and the LCDA system which describes the procedures that will be followed to comply with General Provision 2 for these systems in accordance with 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05. The manual shall be updated as needed to reflect any change in operating parameters, including scrubber solution flow rate and pressure drop across the scrubber, from the most recent performance test that demonstrated compliance. This manual shall remain onsite at all times and shall be made available to Department representatives upon request.

2.8 BART 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05 SO₂ Performance Tests for Kiln Hydro Sonics

The permittee shall conduct performance tests to measure SO₂ emissions from the kiln Hydro Sonics scrubber stacks according to the schedule in this permit condition. The performance testing will be conducted to demonstrate compliance with the emission rate limits listed in Permit Condition 2.3 in accordance with 40 CFR 51.308(e)(1)(v) and IDAPA 58.01.01.668.05.

Each performance test shall be performed in accordance with IDAPA 58.01.01.157 and General Provision 6 of this permit. The following information shall be recorded during each performance test:

- Amount of kiln feed processed in the kiln, in tons per hour
- Pressure drop across the scrubber
- Scrubber solution flow rate
- pH in the recirculation tank

After the initial performance test, future testing shall be performed according to the following schedule. If the SO₂ emission rate measured in the most recent test is less than or equal to 75% of the applicable emission standard in Permit Condition 2.3, the next test shall be conducted within five years of the test date. If the SO₂ emission rate measured during the most recent performance test is greater than 75%, but less than or equal to 90%, of the emission standard in Permit Condition 2.3, the next test shall be conducted within two years of the test date. If the SO₂ emission rate measured during the most recent performance test is greater than 90% of the emission standard in Permit Condition 2.3, the next test shall be conducted within one year of the test date.

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3. TIER II PERMIT TO OPERATE GENERAL PROVISIONS

General Compliance

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 and 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.]

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 58.01.01.405, 5/1/94]

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 58.01.01.406, 5/1/94]

Inspection and Entry

- 4. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
 - a. Enter upon the permittee's premises where an emissions source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d. 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

- 5. The permittee shall furnish DEQ written notifications as follows:
 - a. A notification of the date of initiation of construction, within five working days after occurrence;
 - b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;
 - c. 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;
 - d. A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
 - e. A notification of the initial date of achieving the maximum production rate, within five working days after occurrence production rate and date.

[IDAPA 58.01.01.405, 5/1/94]

Performance Testing

6. 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.

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.

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

The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Records of monitoring information 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 and 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 DEO representatives upon request.

[IDAPA 58.01.01.405, 5/1/94]

Excess Emissions

8. The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

Certification

9. 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]

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False Statements

10. 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

11. 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]

Expiration and Renewal

This permit shall be renewable on the expiration date, provided the permittee submits an application for renewal to the Department and continues to meet all terms and conditions contained in the permit. The expiration of this permit will not affect the operation of the stationary source of facility during the administrative procedure period associated with the permit renewal process.

[IDAPA 58.01.01.404.04, 7/1/02]

Transferability

13. This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.404.05.

[IDAPA 58.01.01.404.05, 4/11/06]

T2-2009.0109