



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
Toni Hardesty, Director

July 6, 2005

Certified Mail No. 7000 1670 0013 8128 2756

Lee Bernardi
Degerstrom Corporation
PO Box 425
Spokane, WA 99201

RE: Facility ID No. 777-00346, Degerstrom Corporation, Portable
Final Permit Letter

Dear Mr. Bernardi:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-040118 to Degerstrom Corporation (Degerstrom) for a portable hot-mix asphalt facility in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho). This permit is effective immediately and is based on your PTC applications received August 18, 2004 and May 5, 2005.

This permit does not release Degerstrom from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

A representative of the Coeur D'Alene Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

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

Sincerely,

A handwritten signature in cursive script that reads "Martin Bauer".

Martin Bauer, Administrator
Air Quality Division

MB/CM/sd
Enclosures

Permit No. P-040118



**Air Quality
PERMIT TO CONSTRUCT**
State of Idaho
Department of Environmental Quality

PERMIT No.: P-040118
FACILITY ID No.: 777-00346
AQCR: CLASS: SM
SIC: 2951 ZONE:
UTM COORDINATE (km): Portable

1. PERMITTEE
Degerstrom Corporation

2. PROJECT
Initial Permit to Construct – Portable Hot-mix Asphalt Facility

3. MAILING ADDRESS PO Box 425	CITY Spokane	STATE WA	ZIP 99201
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4. FACILITY CONTACT Lee Bernardi	TITLE Asphalt Division Manager	TELEPHONE 509-928-3333
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5. RESPONSIBLE OFFICIAL Lee Bernardi	TITLE Asphalt Division Manager	TELEPHONE 509-928-3333
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6. EXACT PLANT LOCATION Portable	COUNTY
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7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Production of hot-mix asphalt

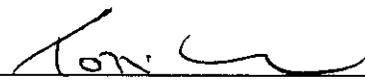
8. GENERAL CONDITIONS

This permit is issued according to IDAPA 58.01.01.200, Rules for the Control of Air Pollution in Idaho, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit will expire if construction has not 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 with its application. Changes of design or equipment may require DEQ approval pursuant to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200, et seq.



TONI HARDESTY, DIRECTOR
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: July 6, 2005

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Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
CO	carbon monoxide
°F	degree Fahrenheit
DEQ	Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
ft	foot or feet
gal/hr	gallons per hour
gr/dscf	grain (1 lb = 7,000 grains) per dry standard cubic foot
hp	horsepower
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
in	inch(es)
km	kilometer
kW	kilowatt
MMBtu/hr	million British thermal units per hour
NO _x	nitrogen oxides
O&M	operation and maintenance
PM	particulate matter
PM ₁₀	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/hr	tons per hour
T/yr	tons per any consecutive 12-month period
UTM	Universal Transverse Mercator

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-040118

Permittee:	Degerstrom Corporation	Facility ID No. 777-00346	Date Issued:	July 6, 2005
Location:	Portable			

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 This PTC allows for the construction of a portable hot-mix asphalt facility. This PTC is the facility's initial permit.

Regulated Sources

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

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emissions Control(s)
2	<u>Hot-mix Asphalt Plant</u> Manufacturer: Astec Type of plant: Portable drum dryer Max hourly asphalt capacity: 250 T/hr Allowable fuel: distillate fuel oil Max. burner fuel consumption rate: 279 gal/hr Max rated heat input requirements: 39 MMBtu/hr	<u>Baghouse</u> Manufacturer: Astec 35,000 acfm at 240°F 27.5 in x 41 in stack 22.0 ft stack height
2	<u>Generator</u> Manufacturer: Cummings Rated power output: 500 kW; 670 hp Allowable fuel: distillate fuel oil Maximum fuel consumption: 30.4 gal/hr Maximum heat input: 4.24 MMBtu/hr	None

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2. HOT-MIX ASPHALT FACILITY

2.1 Process Description

Aggregate and asphalt cement are combined in a rotary drum dryer to produce asphalt. Dryer emissions are controlled by a baghouse. An on-site generator supplies electrical power for the hot-mix asphalt facility.

2.2 Emissions Control Description

Table 2.1 EMISSION CONTROL DEVICES

Emissions Unit(s) / Process(es)	Emissions Control Device
Dryer	Baghouse
Generator	None

Emissions Limits

2.3 Emissions Limits

NO_x emissions and CO emissions from the dryer stack and from the generator stack shall not exceed any corresponding emissions rate limits listed in Table 2.2

Table 2.2 ALLOWABLE EMISSIONS LIMITS

Source Description	NO_x (T/yr)	CO (T/yr)
Dryer stack	7.6	17.9
Generator stack	10.1	2.2
Total emissions	17.7	20.1

2.4 Dryer PM Emissions Limits

Particulate matter (PM) emissions from the dryer stack, or any other stack, vent, or other functionally equivalent opening associated with the dryer, shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), or exhibit 20% opacity or greater as required by 40 CFR 60.92(a)(1) and (2).

2.5 Other PM Emissions Limit

Gases from systems for screening, handling, storing, and weighing hot aggregate shall not discharge into the atmosphere any gases which exhibit 20% opacity or greater as required by 40 CFR Part 60.92(a)(2).

2.6 Opacity Limit

Visible emissions from any point of emission associated with this hot-mix asphalt facility shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60 minute period as required in IDAPA 58.01.01.625. Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

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2.7 Visible Emissions Limit at Property Boundary

Visible fugitive 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, which is contained in 40 CFR 60 Appendix A, or by a DEQ-approved alternative method.

Operating Requirements

2.8 Dryer Burner Fuel

The fuel supplied to the dryer and generator shall be distillate fuel oil (ASTM Grade 1 fuel oil or ASTM Grade 2 fuel oil) exclusively.

2.9 Used Oil Restriction

This facility shall not burn used oil.

2.10 Distillate Fuel Oil Sulfur Content Limits

The sulfur content in the distillate fuel oil supplied to the dryer and generator shall not exceed the following limits as required by IDAPA 58.01.01.728:

- ASTM Grade 1 fuel oil – 0.3% by weight
- ASTM Grade 2 fuel oil – 0.5% by weight

2.11 Hot-mix Asphalt Production Limit

Annual hot-mix asphalt production from this facility shall not exceed 275,000 tons per any consecutive 12-month period (T/yr).

2.12 Generator Operations

The generator shall only be used to provide electrical power to the hot-mix asphalt plant.

2.13 Baghouse Operations Requirement

The baghouse shall be operated at all times during the operation of the dryer.

2.14 Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer's specifications, equipment to continuously measure the pressure differential across the baghouse.

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2.15 Operations and Maintenance Manual Requirements

Within 60 days after startup, the permittee shall have developed an operations and maintenance (O&M) manual for the baghouse. The O&M manual shall describe the procedures that will be followed to comply with General Provision 2 and the baghouse operating requirements contained in this permit. The manual shall remain on site at all times and shall be available to DEQ representatives upon request.

2.16 Pressure Drop Across the Baghouse

The pressure drop across the baghouse shall be maintained within the manufacturer's and O&M manual's specifications. Documentation of both the manufacturer's and O&M manual's operating pressure drop specifications shall remain on site at all times and shall be available to DEQ representatives upon request.

2.17 Performance Tests

2.17.1 No later than November 17, 2009, a performance test shall be conducted on the hot-mix asphalt facility. The performance test shall be conducted under worst-case normal operating conditions, and in accordance with 40 CFR 60.93, IDAPA 58.01.01.157, and General Provision 6. The performance test shall be conducted to demonstrate compliance with the applicable PM standards defined in 40 CFR 60.92. The following information shall be monitored and recorded during the performance test:

- The hourly production rate of the hot-mix asphalt facility expressed as tons per hour
- The pressure drop across the baghouse
- The visible emissions observed during the performance test

2.17.2 The permittee shall conduct a performance test at a frequency of no less than once every five years to demonstrate compliance with the applicable PM standards defined in 40 CFR 60.92.

2.18 Reasonable Control of Fugitive Dust

All reasonable precautions shall be taken to prevent PM from becoming airborne as required in IDAPA 58.01.01.651. 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 which might 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 clearing of lands;
- Application, where practical, of asphalt, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create 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;

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- Paving of roadways and their maintenance in a clean condition, where practical; or
- Prompt removal of earth or other stored material from streets, where practical.

Monitoring and Recordkeeping Requirements

2.19 Operating Parameters Monitoring

The permittee shall monitor and record the following information. Records of this information shall be kept on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

- The pressure drop across the baghouse once per day when the hot-mix asphalt plant is operating to demonstrate compliance with Permit Condition 2.16.
- The annual hot-mix asphalt production to demonstrate compliance with Permit Condition 2.11. Annual production shall be determined by summing daily production monthly, and summing monthly production over the previous consecutive 12-month period.

2.20 Reasonable Control Measures Monitoring

The permittee shall monitor and record, during operation, the periodic method(s) used to reasonably control fugitive dust from this facility. The record shall include the type of control used (e.g., water, environmentally safe chemical dust suppressants, etc.), the frequency of application per day of operation, the amount applied, and the circumstances under which no controls are used. Records of this information shall be kept on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

2.21 Fuel Oil Sulfur Content Limits Monitoring

The permittee shall demonstrate compliance with Permit Condition 2.10 by obtaining documentation of the sulfur content analysis for each shipment of distillate fuel oil on an as-received basis. Records of this information shall remain on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

2.22 Operations in PM₁₀ Nonattainment Areas or Proposed PM₁₀ Nonattainment Areas

The permittee shall not operate this hot-mix asphalt facility in any PM₁₀ nonattainment areas or proposed nonattainment areas without obtaining a permit which specifically allows for operations in a PM₁₀ nonattainment areas or proposed PM₁₀ nonattainment areas.

Reporting Requirements

2.23 Performance Test Protocol

The permittee shall submit a protocol for the performance tests required in Permit Condition 2.17 to DEQ for approval at least 30 days prior to conducting the test.

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2.24 Performance Test Report

The permittee shall submit a report of the results of the performance tests required in Permit Condition 2.17, including all required process data, to DEQ within 30 days after the date on which the testing is concluded.

2.25 Certification of Documents

All documents, including, but not limited to, application forms for permits to construct, monitoring data, supporting information, requests for confidential treatment, testing reports, and compliance certifications submitted to DEQ shall contain a certification by a responsible official in accordance with IDAPA 58.01.01.123. 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.

2.26 Relocation

At least 10 days prior to relocation of any equipment covered by this permit, the permittee shall submit a scaled plot plan and a complete a Portable Equipment Registration and Relocation Form (available on DEQ website at: http://www.deq.state.id.us/air/permits_forms/forms/ptc_relocation.pdf), in accordance with IDAPA 58.01.01.500, to the following address:

PERF Processing Unit
DEQ - Air Quality
1410 N. Hilton
Boise, ID 83706-1255

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3. PERMIT TO CONSTRUCT GENERAL PROVISIONS

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.
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.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
 - To enter, at reasonable times, upon the 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.
 - 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 require stack compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. 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. The permittee shall notify DEQ, in writing, of the required information for the following events within 5 working days after occurrence:
 - Initiation of Construction – Date
 - Completion/Cessation of Construction – Date
 - Actual Production Startup – Date
 - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
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.

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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.

7. 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.
8. In accordance with IDAPA 58.01.01.123, 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.