



DEPARTMENT OF NATURAL RESOURCES

THOMAS J. VILSACK, GOVERNOR
SALLY J. PEDERSON, LT. GOVERNOR

March 2, 2000

PAUL W. JOHNSON, DIRECTOR

Certified Mail

Mr. Steve Mockenhaupt
Dustcoating, Inc.
7217 W. 128th Street
Savage, Minnesota 55378

RECEIVED
NOV 16 2005
SUPERFUND E

Re: Soil Remediation Plant Number **46**
Project No. 00-103
Plant No. PP-63-004

40226592



SUPERFUND RECORDS

Dear Mr. Mockenhaupt:

This letter transmits three permits for the following air contamination sources and emissions control equipment.

Source Description	Control Equipment	Testing	Permit
Thermal Soil Remediation	Thermal Oxidizer and Baghouse	No	00-A-233
Thermal Soil Remediation	Cooler/Mixer and Auxiliary Baghouse	No	00-A-234
Diesel-Electric Generator	None	No	00-A-235

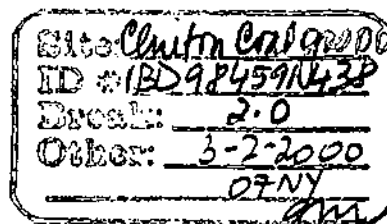
Your attention is directed toward the permit conditions specified in these permits. Based on the information submitted, the Department has determined that:

1. This project is not subject to New Source Performance Standards (NSPS) for the reason there are no applicable subparts.
2. This project is not subject to PSD regulations.
3. The emission units referenced under these permits are not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPS) for the reason there are no applicable subparts.

You may contact Michael Hayward of my staff with questions regarding this permit. His telephone number is (515) 281-3499.

Sincerely,

David Phelps, Supervisor
Construction Permit Section
Air Quality Bureau



Enclosures: Permits 00-A-233, 00-A-234 and 00-A-235
cc: Field Offices 1, 2, 3, 4, 5 and 6

Iowa Department of Natural Resources

Air Quality Construction Permit

Permit Holder

Firm: **Dustcoating, Incorporated**

Contact:

Steve Mockenhaupt
Environmental Coordinator

(612) 894-0012

7217 West 128th Street
Savage, Minnesota 55378

Responsible Party:

Larry Johnson
President

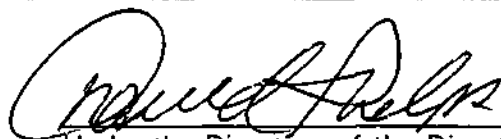
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NOV 16 2005
SUPERFUND DIVISION

Permitted Equipment

Emission Unit(s): Thermal Soil Remediation Unit No. 6
Control Equipment: Thermal Oxidizer/Baghouse
Emission Point: EP-OX-01S
Equipment Location: Portable Equipment --- Various Locations

Plant Number: PP-63-004

Permit No.	Proj. No.	Description	Date	Testing
00-A-233	00-103	Thermal Soil Remediation Unit No. 6 (Thermotech System Corp. - TDU 90) Thermal Oxidizer/Baghouse	Mar 2, 00	No



Under the Direction of the Director of
the Department of Natural Resources

PERMIT CONDITIONS

The owner or operator of the facility shall assure that the installation, operation, and maintenance of this equipment is in compliance with all of the following conditions.

1. Departmental Review

This permit is issued based on information submitted by the applicant. Any misinformation, false statements or misrepresentations by the applicant shall cause this permit to be void. In addition, the applicant may be subject to criminal penalties according to Iowa Code Section 455B.146A.

This permit is issued under the authority of 567 Iowa Administrative Code (IAC) 22.3. The proposed equipment has been evaluated for conformance with Iowa Code Chapter 455B; 567 IAC Chapters 20-31; and 40 CFR Parts 51, 52, 60, 61 and 63 and has the potential to comply.

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. The DNR assumes no liability, directly or indirectly, for any loss due to damage to persons or property caused by, resulting from, or arising out of the design, installation, maintenance or operation of the proposed equipment.

2. Transferability

As limited by 567 IAC 22.3(3)"f", this permit is not transferable from one location to another or from one piece of equipment to another, unless the equipment is portable. When portable equipment for which a permit has been issued is to be transferred from one location to another, the DNR shall be notified in writing at least thirty (30) days prior to transferring to the new location. The owner will be notified at least ten (10) days prior to the scheduled relocation if the relocation will cause a violation of the National Ambient Air Quality Standards. In such case, a supplemental permit shall be required prior to the initiation of construction of additional control equipment or equipment modifications needed to meet the standards.

This permit is for the construction and operation of the specific emission unit(s), control equipment and emission point as described in this permit and in the application for this permit. Any owner or operator of the specified emission unit(s), control equipment or emission point, including any person who becomes an owner or operator subsequent to the date on which this permit is issued, is responsible for compliance with the provisions of this permit. No person shall construct, install, reconstruct or alter this emission unit, control equipment or emission point without the required revisions to this permit.

3. Construction

This permit shall become void if construction on the proposed project has not been initiated within eighteen (18) months after the date of the issuance of this permit and completed within thirty-six (36) months after the date of the issuance of this permit.

3. Construction (Continued)

It shall be the responsibility of the owner to ensure that construction conforms to the final plans and specifications as submitted and that adequate operation and maintenance is provided to ensure that no condition of air pollution is created. A supplement to this permit shall be obtained if the owner proposes changes to the final submitted plans and specifications.

4. Credible Evidence

As stated in 567 IAC 21.5 and also in 40 CFR Part 60.11(g), where applicable, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions specified in this permit or any provisions of 567 IAC Chapters 20 through 31.

5. Owner Responsibility

Issuance of this permit shall not relieve the owner or operator of the responsibility to comply fully with applicable provisions of the State Implementation Plan (SIP), and any other requirements of local, state, and federal law.

The owner or operator of any emission unit or control equipment shall maintain and operate the equipment and control equipment at all times in a manner consistent with good practice for minimizing emissions, as required by paragraph 567 IAC 24.2(1) *"Maintenance and Repair"*.

6. Disposal of Contaminants

The disposal of materials collected by the control equipment shall meet all applicable rules.

7. Excess Emissions

Excess emissions during a period of startup, shutdown, or cleaning of control equipment are not a violation of the emission standard if it is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment, which does not require the shutdown of process equipment, shall be limited to one six-minute period per one-hour period. An incident of excess emissions other than the above is a violation and may be subject to criminal penalties according to Iowa Code 455B.146A. If excess emissions are occurring, either the control equipment causing the excess shall be repaired in an expeditious manner, or the process generating the emissions shall be shutdown within a reasonable period of time, as specified in 567 IAC 24.1.

An incident of excess emissions shall be orally reported to the appropriate DNR field office within eight (8) hours of, or at the start of, the first working day following the onset of the incident. A written report of an incident of excess emissions shall be submitted as a follow-up to all required oral reports within seven (7) days of the onset of the upset condition.

8. Notification, Reporting and Recordkeeping

A. The owner shall furnish the DNR the following written notifications:

1. The date construction, installation, or alteration is initiated postmarked within seven (7) days following initiation of construction, installation, or alteration;
2. The date of intended startup, at least ten (10) days before the equipment or control equipment involved is placed into operation;
3. The actual date of startup, postmarked within fifteen (15) days following the start of operation;
4. The date of each compliance test required by Permit Condition 12, at least thirty (30) days before the anticipated compliance test date;
5. The date of each pretest meeting, at least fifteen (15) days before the proposed meeting date. The owner shall request a proposed test plan protocol questionnaire at least sixty (60) days prior to each compliance test date. The completed questionnaire shall be received by the DNR at least fifteen (15) days before the pretest meeting date;
6. Transfer of equipment ownership, within 30 days of the occurrence;
7. Portable equipment relocation, at least thirty (30) days before equipment relocation.

B. The owner shall furnish DNR with the following reports:

1. Oral excess emissions reports, in accordance with 567 IAC 24.1;
2. Indicator opacity reports in accordance with Opacity Policy 3-b-08 (See footnote 1, Permit Condition 10);
3. A written compliance demonstration report for each compliance testing event, whether successful or not, postmarked not later than forty-five (45) days after the completion of the test period;
4. Operation of this emission unit(s) or control equipment outside of those limits specified in Permit Conditions 10, 11 and 14 and according to the schedule set forth in 567 IAC 24.1.

8. Notification, Reporting and Recordkeeping (continued)

- C. The owner shall send notifications, reports and correspondence to the following addresses:

Mr. David Phelps
Construction Permit Supervisor
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 281-8189
Fax: (515) 242-5094

Field Office 1
909 West Main Street, Suite 4
Manchester, Iowa 52057
Telephone (319) 927-2640
Fax (319) 927-2075

Field Office 4
706 Sunnyside
Atlantic, Iowa 50022
Telephone (712) 243-1934
Fax (712) 243-6251

Field Office 2
2300 15th Street, SW
P.O. Box 1443
Mason City, Iowa 50401
Telephone (515) 424-4073
Fax (515) 424-9342

Field Office 5
607 East 2nd Street
Des Moines, Iowa 50309
Telephone (515) 281-~~9009~~
Fax (515) 281-~~9009~~ *9068*

Field Office 3
1900 N. Grand Avenue
Gateway North Mall
Spencer, Iowa 51301
Telephone (712) 262-4177
Fax (712) 262-2901

Field Office 6
1004 West Madison
Washington, Iowa 52352
Telephone (319) 653-2135
Fax (319) 653-2856

- D. The owner shall send correspondence concerning stack testing to:

Stack Testing Coordinator
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 242-6001
FAX: (515) 242-5127

- E. All data, records, reports, documentation, construction plans, and calculations required under this permit shall be available at the plant during normal business hours for inspection and copying by federal, state, or local air pollution regulatory agencies and their authorized representatives, for a minimum of two (2) years from the date of recording.
-

9. Permit Violations

Knowingly committing a violation of this permit may carry a criminal penalty of up to \$10,000 per day fine and 2 years in jail according to Iowa Code Section 455B.146A.

10. Emission Limits

Pollutant	Lb/Hr	Tons/Yr	Additional Limits	Reference (567 IAC)
Particulate Matter (PM)	NA	NA	0.1 gr/dscf	23.3(2)"a"
PM ₁₀	NA	NA	NA	NAAQS
Opacity	NA	NA	40% ⁽¹⁾	23.3(2)"d"
Sulfur Oxides (SO _x)	NA	NA	NA	23.3(3)
Nitrogen Dioxide (NO ₂)	NA	NA	NA	NA
Volatile Organic Compounds	NA	NA	NA	NA
Carbon Monoxide (CO)	NA	NA	NA	NA
Lead (Pb)	NA	NA	NA	NA
(Single HAP)	NA	NA	NA	NA
(Total HAP)	NA	NA	NA	NA

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (20%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

11. Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Parameter	Value
Stack Height, (ft, from the ground)	35.3 ft
Discharge Style	Vertical
Stack Opening, (inches, dia.)	92.5 inches diameter
Exhaust Temperature (°F)	1,700 F
Exhaust Flowrate (acfm)	108,000 acfm

It shall be the owner's responsibility to ensure that construction conforms with the emission point characteristics stated above. If it is determined that any of the emission point characteristics are different than stated above, the owner must notify the Department and obtain a permit amendment, if required.

12. Initial Performance Testing Requirements

Pollutant	Testing Required	Test Method
PM	No	Iowa Compliance Sampling Manual Method 5
PM ₁₀	No	40 CFR 51, Appendix M, 201A with 202
Opacity	No	40 CFR 60, Appendix A, Method 9
SO _x	No	40 CFR 60, Appendix A, Method 6C
NO ₂	No	40 CFR 60, Appendix A, Method 7E
VOC	No	40 CFR 60, Appendix A, Method 25A
CO	No	40 CFR 60, Appendix A, Method 10
Pb	No	40 CFR 60, Appendix A, Method 12
Other	No	

If specified above, the owner shall verify compliance with the emission limitations contained in Permit Condition 10 within 90 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment. The tests shall be conducted with the equipment operating in a manner representative of maximum rated capacity. Failure to test at the rated capacity may be cause for the Department to limit the emission unit to the operating level at which the compliance tests had been conducted.

Each emissions compliance test must be approved by the DNR. Unless otherwise specified by the DNR, each test shall consist of three separate runs. The duration of each run shall be established by the DNR at the pretest meeting. The arithmetic mean of three acceptable test runs shall apply for compliance, unless otherwise indicated by the DNR. The test methods to be used are those stated above unless otherwise approved by the DNR.

A pretest meeting shall be held at a mutually agreeable site no less than fifteen (15) days prior to the date of each test. Representatives from the DNR shall attend this meeting, along with the owner and the testing firm, if any. It shall be the responsibility of the owner to coordinate and schedule the pretest meeting. The owner shall be responsible for the installation and maintenance of test ports. The DNR shall reserve the right to impose additional, different, or more detailed testing requirements.

13. NSPS and NESHAP Applicability

The emission unit referenced under this permit may be subject to the requirements of either the New Source Performance Standards (NSPS), or the National Emission Standards for Hazardous Air Pollutants (NESHAPS), if there is an applicable subpart within either of these standards.

14. Operating Limits

- A. The process weight rate of the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234 shall not exceed 32 tons per hour.
 - B. The soil remediation unit administered under DNR permits 00-A-233 and 00-A-234 shall be used to process soil with a volatile organic compound (VOC) content not to exceed 2 percent by weight.
-

15. Operating Condition Monitoring

- A. The permit holder shall maintain records on the premises to show the process weight rate per hour of the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234. Records shall be maintained for two (2) years and available for inspection upon request by representatives of the Department of Natural Resources.
 - B. The permit holder shall maintain records on the premises to show the weight percent of volatile organic compound (VOC) content in the contaminated soil processed by the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234. Records shall be maintained for two (2) years and available for inspection upon request by representatives of the Department of Natural Resources.
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16. Continuous Emission Monitoring

Continuous emission monitoring is not required by this permit at this time.

17. Descriptions of Terms and Acronyms

acfm	Actual cubic foot per minute
Applicant	The owner, company official or authorized agent
CFR	Code of Federal Regulations
Department	Iowa Department of Natural Resources
DNR	Iowa Department of Natural Resources
gr/dscf	Grains per dry standard cubic foot
HAP	Hazardous Air Pollutant(s)
IAC	Iowa Administrative Code
MMBtu	One million British thermal units
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen Dioxide, a criteria pollutant measured as NO _x
Owner	The owner or authorized representative
Permit	This document including permit conditions and all submitted application materials
PM ₁₀	Particulate Matter equal to or less than 10 microns in aerodynamic diameter
scfm	Standard cubic foot per minute
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide, the measured surrogate for SO _x
SO _x	Sulfur Oxides, a criteria pollutant
VOC	Volatile Organic Compound

END OF PERMIT CONDITIONS

Iowa Department of Natural Resources

Air Quality Construction Permit

Permit Holder

Firm: Dustcoating, Incorporated

Contact:

Steve Mockenhaupt
Environmental Coordinator

(612) 894-0012

7217 West 128th Street
Savage, Minnesota. 55378

Responsible Party:

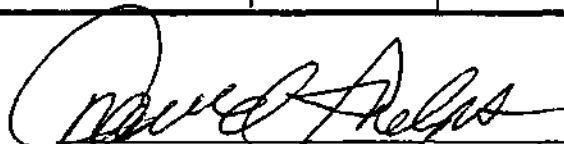
Larry Johnson
President

Permitted Equipment

Emission Unit(s): Thermal Soil Remediation Unit 6
Control Equipment: Mixer-Cooler Baghouse
Emission Point: MC-01S
Equipment Location: Portable Equipment --- Various Locations

Plant Number: PP-63-004

Permit No.	Proj. No.	Description	Date	Testing
00-A-234	00-103	Thermal Soil Remediation Unit 6 (Thermotech System Corp. - TDU 90) Mixer-Cooler Baghouse	Mar 2, 00	No



Under the Direction of the Director of
the Department of Natural Resources

PERMIT CONDITIONS

The owner or operator of the facility shall assure that the installation, operation, and maintenance of this equipment is in compliance with all of the following conditions.

1. Departmental Review

This permit is issued based on information submitted by the applicant. Any misinformation, false statements or misrepresentations by the applicant shall cause this permit to be void. In addition, the applicant may be subject to criminal penalties according to Iowa Code Section 455B.146A.

This permit is issued under the authority of 567 Iowa Administrative Code (IAC) 22.3. The proposed equipment has been evaluated for conformance with Iowa Code Chapter 455B; 567 IAC Chapters 20-31; and 40 CFR Parts 51, 52, 60, 61 and 63 and has the potential to comply.

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. The DNR assumes no liability, directly or indirectly, for any loss due to damage to persons or property caused by, resulting from, or arising out of the design, installation, maintenance or operation of the proposed equipment.

2. Transferability

As limited by 567 IAC 22.3(3)"f", this permit is not transferable from one location to another or from one piece of equipment to another, unless the equipment is portable. When portable equipment for which a permit has been issued is to be transferred from one location to another, the DNR shall be notified in writing at least thirty (30) days prior to transferring to the new location. The owner will be notified at least ten (10) days prior to the scheduled relocation if the relocation will cause a violation of the National Ambient Air Quality Standards. In such case, a supplemental permit shall be required prior to the initiation of construction of additional control equipment or equipment modifications needed to meet the standards.

This permit is for the construction and operation of the specific emission unit(s), control equipment and emission point as described in this permit and in the application for this permit. Any owner or operator of the specified emission unit(s), control equipment or emission point, including any person who becomes an owner or operator subsequent to the date on which this permit is issued, is responsible for compliance with the provisions of this permit. No person shall construct, install, reconstruct or alter this emission unit, control equipment or emission point without the required revisions to this permit.

3. Construction

This permit shall become void if construction on the proposed project has not been initiated within eighteen (18) months after the date of the issuance of this permit and completed within thirty-six (36) months after the date of the issuance of this permit.

3. Construction (Continued)

It shall be the responsibility of the owner to ensure that construction conforms to the final plans and specifications as submitted and that adequate operation and maintenance is provided to ensure that no condition of air pollution is created. A supplement to this permit shall be obtained if the owner proposes changes to the final submitted plans and specifications.

4. Credible Evidence

As stated in 567 IAC 21.5 and also in 40 CFR Part 60.11(g), where applicable, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions specified in this permit or any provisions of 567 IAC Chapters 20 through 31.

5. Owner Responsibility

Issuance of this permit shall not relieve the owner or operator of the responsibility to comply fully with applicable provisions of the State Implementation Plan (SIP), and any other requirements of local, state, and federal law.

The owner or operator of any emission unit or control equipment shall maintain and operate the equipment and control equipment at all times in a manner consistent with good practice for minimizing emissions, as required by paragraph 567 IAC 24.2(1) *"Maintenance and Repair"*.

6. Disposal of Contaminants

The disposal of materials collected by the control equipment shall meet all applicable rules.

7. Excess Emissions

Excess emissions during a period of startup, shutdown, or cleaning of control equipment are not a violation of the emission standard if it is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment, which does not require the shutdown of process equipment, shall be limited to one six-minute period per one-hour period. An incident of excess emissions other than the above is a violation and may be subject to criminal penalties according to Iowa Code 455B.146A. If excess emissions are occurring, either the control equipment causing the excess shall be repaired in an expeditious manner, or the process generating the emissions shall be shutdown within a reasonable period of time, as specified in 567 IAC 24.1.

An incident of excess emissions shall be orally reported to the appropriate DNR field office within eight (8) hours of, or at the start of, the first working day following the onset of the incident. A written report of an incident of excess emissions shall be submitted as a follow-up to all required oral reports within seven (7) days of the onset of the upset condition.

8. Notification, Reporting and Recordkeeping

A. The owner shall furnish the DNR the following written notifications:

1. The date construction, installation, or alteration is initiated postmarked within seven (7) days following initiation of construction, installation, or alteration;
2. The date of intended startup, at least ten (10) days before the equipment or control equipment involved is placed into operation;
3. The actual date of startup, postmarked within fifteen (15) days following the start of operation;
4. The date of each compliance test required by Permit Condition 12, at least thirty (30) days before the anticipated compliance test date;
5. The date of each pretest meeting, at least fifteen (15) days before the proposed meeting date. The owner shall request a proposed test plan protocol questionnaire at least sixty (60) days prior to each compliance test date. The completed questionnaire shall be received by the DNR at least fifteen (15) days before the pretest meeting date;
6. Transfer of equipment ownership, within 30 days of the occurrence;
7. Portable equipment relocation, at least thirty (30) days before equipment relocation.

B. The owner shall furnish DNR with the following reports:

1. Oral excess emissions reports, in accordance with 567 IAC 24.1;
2. Indicator opacity reports in accordance with Opacity Policy 3-b-08 (See footnote 1, Permit Condition 10);
3. A written compliance demonstration report for each compliance testing event, whether successful or not, postmarked not later than forty-five (45) days after the completion of the test period;
4. Operation of this emission unit(s) or control equipment outside of those limits specified in Permit Conditions 10, 11 and 14 and according to the schedule set forth in 567 IAC 24.1.

8. Notification, Reporting and Recordkeeping (continued)

- C. The owner shall send notifications, reports and correspondence to the following addresses:

Mr. David Phelps
Construction Permit Supervisor
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 281-8189
Fax: (515) 242-5094

Field Office 1
909 West Main Street, Suite 4
Manchester, Iowa 52057
Telephone (319) 927-2640
Fax (319) 927-2075

Field Office 4
706 Sunnyside
Atlantic, Iowa 50022
Telephone (712) 243-1934
Fax (712) 243-6251

Field Office 2
2300 15th Street, SW
P.O. Box 1443
Mason City, Iowa 50401
Telephone (515) 424-4073
Fax (515) 424-9342

Field Office 5
607 East 2nd Street
Des Moines, Iowa 50309
Telephone (515) 281-9069
Fax (515) 281-9069

Field Office 3
1900 N. Grand Avenue
Gateway North Mall
Spencer, Iowa 51301
Telephone (712) 262-4177
Fax (712) 262-2901

Field Office 6
1004 West Madison
Washington, Iowa 52352
Telephone (319) 653-2135
Fax (319) 653-2856

- D. The owner shall send correspondence concerning stack testing to:

Stack Testing Coordinator
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 242-6001
FAX: (515) 242-5127

- E. All data, records, reports, documentation, construction plans, and calculations required under this permit shall be available at the plant during normal business hours for inspection and copying by federal, state, or local air pollution regulatory agencies and their authorized representatives, for a minimum of two (2) years from the date of recording.
-

9. Permit Violations

Knowingly committing a violation of this permit may carry a criminal penalty of up to \$10,000 per day fine and 2 years in jail according to Iowa Code Section 455B.146A.

10. Emission Limits

Pollutant	Lb/Hr	Tons/Yr	Additional Limits	Reference (567 IAC)
Particulate Matter (PM)	NA	NA	0.1 gr/dscf	23.3(2)"a"
PM ₁₀	NA	NA	NA	NAAQS
Opacity	NA	NA	40% ⁽¹⁾	23.3(2)"d"
Sulfur Oxides (SO _x)	NA	NA	NA	23.3(3)
Nitrogen Dioxide (NO ₂)	NA	NA	NA	NA
Volatile Organic Compounds	NA	NA	NA	NA
Carbon Monoxide (CO)	NA	NA	NA	NA
Lead (Pb)	NA	NA	NA	NA
(Single HAP)	NA	NA	NA	NA
(Total HAP)	NA	NA	NA	NA

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

11. Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Parameter	Value
Stack Height, (ft, from the ground)	26.6 ft
Discharge Style	Vertical
Stack Opening, (inches, dia.)	24 inches diameter
Exhaust Temperature (°F)	272 F
Exhaust Flowrate (acfm)	7,795 acfm

It shall be the owner's responsibility to ensure that construction conforms with the emission point characteristics stated above. If it is determined that any of the emission point characteristics are different than stated above, the owner must notify the Department and obtain a permit amendment, if required.

12. Initial Performance Testing Requirements

Pollutant	Testing Required	Test Method
PM	No	Iowa Compliance Sampling Manual Method 5
PM ₁₀	No	40 CFR 51, Appendix M, 201A with 202
Opacity	No	40 CFR 60, Appendix A, Method 9
SO _x	No	40 CFR 60, Appendix A, Method 6C
NO ₂	No	40 CFR 60, Appendix A, Method 7E
VOC	No	40 CFR 60, Appendix A, Method 25A
CO	No	40 CFR 60, Appendix A, Method 10
Pb	No	40 CFR 60, Appendix A, Method 12
Other	No	

If specified above, the owner shall verify compliance with the emission limitations contained in Permit Condition 10 within 90 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment. The tests shall be conducted with the equipment operating in a manner representative of maximum rated capacity. Failure to test at the rated capacity may be cause for the Department to limit the emission unit to the operating level at which the compliance tests had been conducted.

Each emissions compliance test must be approved by the DNR. Unless otherwise specified by the DNR, each test shall consist of three separate runs. The duration of each run shall be established by the DNR at the pretest meeting. The arithmetic mean of three acceptable test runs shall apply for compliance, unless otherwise indicated by the DNR. The test methods to be used are those stated above unless otherwise approved by the DNR.

A pretest meeting shall be held at a mutually agreeable site no less than fifteen (15) days prior to the date of each test. Representatives from the DNR shall attend this meeting, along with the owner and the testing firm, if any. It shall be the responsibility of the owner to coordinate and schedule the pretest meeting. The owner shall be responsible for the installation and maintenance of test ports. The DNR shall reserve the right to impose additional, different, or more detailed testing requirements.

13. NSPS and NESHAP Applicability

The emission unit referenced under this permit may be subject to the requirements of either the New Source Performance Standards (NSPS), or the National Emission Standards for Hazardous Air Pollutants (NESHAPS), if there is an applicable subpart within either of these standards.

14. Operating Limits

- A. The process weight rate of the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234 shall not exceed 32 tons per hour.
 - B. The soil remediation unit administered under DNR permits 00-A-233 and 00-A-234 shall be used to process soil with a volatile organic compound (VOC) content not to exceed 2 percent by weight.
-

15. Operating Condition Monitoring

- A. The permit holder shall maintain records on the premises to show the process weight rate per hour of the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234. Records shall be maintained for two (2) years and available for inspection upon request by representatives of the Department of Natural Resources.
- B. The permit holder shall maintain records on the premises to show the weight percent of volatile organic compound (VOC) content in the contaminated soil processed by the soil remediation unit administered under DNR permits 00-A-233 and 00-A-234. Records shall be maintained for two (2) years and available for inspection upon request by representatives of the Department of Natural Resources.

16. Continuous Emission Monitoring

Continuous emission monitoring is not required by this permit at this time.

17. Descriptions of Terms and Acronyms

acfm	Actual cubic foot per minute
Applicant	The owner, company official or authorized agent
CFR	Code of Federal Regulations
Department	Iowa Department of Natural Resources
DNR	Iowa Department of Natural Resources
gr/dscf	Grains per dry standard cubic foot
HAP	Hazardous Air Pollutant(s)
IAC	Iowa Administrative Code
MMBtu	One million British thermal units
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen Dioxide, a criteria pollutant measured as NO _x
Owner	The owner or authorized representative
Permit	This document including permit conditions and all submitted application materials
PM ₁₀	Particulate Matter equal to or less than 10 microns in aerodynamic diameter
scfm	Standard cubic foot per minute
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide, the measured surrogate for SO _x
SO _x	Sulfur Oxides, a criteria pollutant
VOC	Volatile Organic Compound

END OF PERMIT CONDITIONS

Iowa Department of Natural Resources

Air Quality Construction Permit

Permit Holder

Firm: **Dustcoating, Incorporated**

Contact:

Steve Mockenhaupt
Environmental Coordinator

(612) 894-0012

7217 West 128th Street
Savage, Minnesota 55378

Responsible Party:

Larry Johnson
President

Permitted Equipment

Emission Unit(s): Portable Diesel-Electric Generator Unit (653 hp)
Caterpillar Model 3412

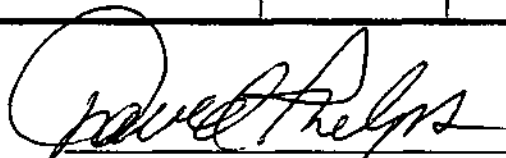
Control Equipment: None

Emission Point: EP-Gen-01

Equipment Location: Portable Equipment --- Various Locations

Plant Number: PP-63-004

Permit No.	Proj. No.	Description	Date	Testing
00-A-235	00-103	Diesel-Electric Generator Unit (653 hp)	Mar 2, 00	No



Under the Direction of the Director of
the Department of Natural Resources

PERMIT CONDITIONS

The owner or operator of the facility shall assure that the installation, operation, and maintenance of this equipment is in compliance with all of the following conditions.

1. Departmental Review

This permit is issued based on information submitted by the applicant. Any misinformation, false statements or misrepresentations by the applicant shall cause this permit to be void. In addition, the applicant may be subject to criminal penalties according to Iowa Code Section 455B.146A.

This permit is issued under the authority of 567 Iowa Administrative Code (IAC) 22.3. The proposed equipment has been evaluated for conformance with Iowa Code Chapter 455B; 567 IAC Chapters 20-31; and 40 CFR Parts 51, 52, 60, 61 and 63 and has the potential to comply.

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. The DNR assumes no liability, directly or indirectly, for any loss due to damage to persons or property caused by, resulting from, or arising out of the design, installation, maintenance or operation of the proposed equipment.

2. Transferability

As limited by 567 IAC 22.3(3)"f", this permit is not transferable from one location to another or from one piece of equipment to another, unless the equipment is portable. When portable equipment for which a permit has been issued is to be transferred from one location to another, the DNR shall be notified in writing at least thirty (30) days prior to transferring to the new location. The owner will be notified at least ten (10) days prior to the scheduled relocation if the relocation will cause a violation of the National Ambient Air Quality Standards. In such case, a supplemental permit shall be required prior to the initiation of construction of additional control equipment or equipment modifications needed to meet the standards.

This permit is for the construction and operation of the specific emission unit(s), control equipment and emission point as described in this permit and in the application for this permit. Any owner or operator of the specified emission unit(s), control equipment or emission point, including any person who becomes an owner or operator subsequent to the date on which this permit is issued, is responsible for compliance with the provisions of this permit. No person shall construct, install, reconstruct or alter this emission unit, control equipment or emission point without the required revisions to this permit.

3. Construction

This permit shall become void if construction on the proposed project has not been initiated within eighteen (18) months after the date of the issuance of this permit and completed within thirty-six (36) months after the date of the issuance of this permit.

3. Construction (Continued)

It shall be the responsibility of the owner to ensure that construction conforms to the final plans and specifications as submitted and that adequate operation and maintenance is provided to ensure that no condition of air pollution is created. A supplement to this permit shall be obtained if the owner proposes changes to the final submitted plans and specifications.

4. Credible Evidence

As stated in 567 IAC 21.5 and also in 40 CFR Part 60.11(g), where applicable, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions specified in this permit or any provisions of 567 IAC Chapters 20 through 31.

5. Owner Responsibility

Issuance of this permit shall not relieve the owner or operator of the responsibility to comply fully with applicable provisions of the State Implementation Plan (SIP), and any other requirements of local, state, and federal law.

The owner or operator of any emission unit or control equipment shall maintain and operate the equipment and control equipment at all times in a manner consistent with good practice for minimizing emissions, as required by paragraph 567 IAC 24.2(1) *"Maintenance and Repair"*.

6. Disposal of Contaminants

The disposal of materials collected by the control equipment shall meet all applicable rules.

7. Excess Emissions

Excess emissions during a period of startup, shutdown, or cleaning of control equipment are not a violation of the emission standard if it is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment, which does not require the shutdown of process equipment, shall be limited to one six-minute period per one-hour period. An incident of excess emissions other than the above is a violation and may be subject to criminal penalties according to Iowa Code 455B.146A. If excess emissions are occurring, either the control equipment causing the excess shall be repaired in an expeditious manner, or the process generating the emissions shall be shutdown within a reasonable period of time, as specified in 567 IAC 24.1.

An incident of excess emissions shall be orally reported to the appropriate DNR field office within eight (8) hours of, or at the start of, the first working day following the onset of the incident. A written report of an incident of excess emissions shall be submitted as a follow-up to all required oral reports within seven (7) days of the onset of the upset condition.

8. Notification, Reporting and Recordkeeping

A. The owner shall furnish the DNR the following written notifications:

1. The date construction, installation, or alteration is initiated postmarked within seven (7) days following initiation of construction, installation, or alteration;
2. The date of intended startup, at least ten (10) days before the equipment or control equipment involved is placed into operation;
3. The actual date of startup, postmarked within fifteen (15) days following the start of operation;
4. The date of each compliance test required by Permit Condition 12, at least thirty (30) days before the anticipated compliance test date;
5. The date of each pretest meeting, at least fifteen (15) days before the proposed meeting date. The owner shall request a proposed test plan protocol questionnaire at least sixty (60) days prior to each compliance test date. The completed questionnaire shall be received by the DNR at least fifteen (15) days before the pretest meeting date;
6. Transfer of equipment ownership, within 30 days of the occurrence;
7. Portable equipment relocation, at least thirty (30) days before equipment relocation.

B. The owner shall furnish DNR with the following reports:

1. Oral excess emissions reports, in accordance with 567 IAC 24.1;
2. Indicator opacity reports in accordance with Opacity Policy 3-b-08 (See footnote 1, Permit Condition 10);
3. A written compliance demonstration report for each compliance testing event, whether successful or not, postmarked not later than forty-five (45) days after the completion of the test period;
4. Operation of this emission unit(s) or control equipment outside of those limits specified in Permit Conditions 10, 11 and 14 and according to the schedule set forth in 567 IAC 24.1.

8. Notification, Reporting and Recordkeeping (continued)

- C. The owner shall send notifications, reports and correspondence to the following addresses:

Mr. David Phelps
Construction Permit Supervisor
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 281-8189
Fax: (515) 242-5094

Field Office 1
909 West Main Street, Suite 4
Manchester, Iowa 52057
Telephone (319) 927-2640
Fax (319) 927-2075

Field Office 4
706 Sunnyside
Atlantic, Iowa 50022
Telephone (712) 243-1934
Fax (712) 243-6251

Field Office 2
2300 15th Street, SW
P.O. Box 1443
Mason City, Iowa 50401
Telephone (515) 424-4073
Fax (515) 424-9342

Field Office 5
607 East 2nd Street
Des Moines, Iowa 50309
Telephone (515) 281-9069
Fax (515) 281-9069

Field Office 3
1900 N. Grand Avenue
Gateway North Mall
Spencer, Iowa 51301
Telephone (712) 262-4177
Fax (712) 262-2901

Field Office 6
1004 West Madison
Washington, Iowa 52352
Telephone (319) 653-2135
Fax (319) 653-2856

- D. The owner shall send correspondence concerning stack testing to:

Stack Testing Coordinator
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
Telephone: (515) 242-6001
FAX: (515) 242-5127

- E. All data, records, reports, documentation, construction plans, and calculations required under this permit shall be available at the plant during normal business hours for inspection and copying by federal, state, or local air pollution regulatory agencies and their authorized representatives, for a minimum of two (2) years from the date of recording.
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9. Permit Violations

Knowingly committing a violation of this permit may carry a criminal penalty of up to \$10,000 per day fine and 2 years in jail according to Iowa Code Section 455B.146A.

10. Emission Limits

Pollutant	Lb/Hr	Tons/Yr	Additional Limits	Reference (567 IAC)
Particulate Matter (PM)	NA	NA	NA	23.3(2)"a"
PM ₁₀	0.7	NA	NA	NAAQS
Opacity	NA	NA	40% ⁽¹⁾	23.3(2)"d"
Sulfur Oxides (SO _x)	NA	NA	NA	23.3(3)
Nitrogen Dioxide (NO ₂)	NA	NA	NA	NA
Volatile Organic Compounds	NA	NA	NA	NA
Carbon Monoxide (CO)	NA	NA	NA	NA
Lead (Pb)	NA	NA	NA	NA
(Single HAP)	NA	NA	NA	NA
(Total HAP)	NA	NA	NA	NA

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (20%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

11. Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Parameter	Value
Stack Height, (ft, from the ground)	13.5 ft
Discharge Style	Vertical
Stack Opening, (inches, dia.)	6 inches diameter
Exhaust Temperature (°F)	1131 F
Exhaust Flowrate (acfm)	4051 acfm

It shall be the owner's responsibility to ensure that construction conforms with the emission point characteristics stated above. If it is determined that any of the emission point characteristics are different than stated above, the owner must notify the Department and obtain a permit amendment, if required.

12. Initial Performance Testing Requirements

Pollutant	Testing Required	Test Method
PM	No	Iowa Compliance Sampling Manual Method 5
PM ₁₀	No	40 CFR 51, Appendix M, 201A with 202
Opacity	No	40 CFR 60, Appendix A, Method 9
SO _x	No	40 CFR 60, Appendix A, Method 6C
NO ₂	No	40 CFR 60, Appendix A, Method 7E
VOC	No	40 CFR 60, Appendix A, Method 25A
CO	No	40 CFR 60, Appendix A, Method 10
Pb	No	40 CFR 60, Appendix A, Method 12
Other	No	

If specified above, the owner shall verify compliance with the emission limitations contained in Permit Condition 10 within 90 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment. The tests shall be conducted with the equipment operating in a manner representative of maximum rated capacity. Failure to test at the rated capacity may be cause for the Department to limit the emission unit to the operating level at which the compliance tests had been conducted.

Each emissions compliance test must be approved by the DNR. Unless otherwise specified by the DNR, each test shall consist of three separate runs. The duration of each run shall be established by the DNR at the pretest meeting. The arithmetic mean of three acceptable test runs shall apply for compliance, unless otherwise indicated by the DNR. The test methods to be used are those stated above unless otherwise approved by the DNR.

A pretest meeting shall be held at a mutually agreeable site no less than fifteen (15) days prior to the date of each test. Representatives from the DNR shall attend this meeting, along with the owner and the testing firm, if any. It shall be the responsibility of the owner to coordinate and schedule the pretest meeting. The owner shall be responsible for the installation and maintenance of test ports. The DNR shall reserve the right to impose additional, different, or more detailed testing requirements.

13. NSPS and NESHAP Applicability

The emission unit referenced under this permit may be subject to the requirements of either the New Source Performance Standards (NSPS), or the National Emission Standards for Hazardous Air Pollutants (NESHAPS), if there is an applicable subpart within either of these standards.

14. Operating Limits

The amount of diesel fuel consumed in the diesel-electric generator administered under DNR permit 00-A-235 shall not exceed 80,000 gallons per twelve-month period rolled monthly.

15. Operating Condition Monitoring

The permit holder shall maintain records on the premises to show the twelve-month period rolled monthly use of diesel fuel from the diesel-electric generator administered under permit 00-A-235. Records shall be maintained for two (2) years and available for inspection upon request by representatives of the Department of Natural Resources.

16. Continuous Emission Monitoring

Continuous emission monitoring is not required by this permit at this time.

17. Descriptions of Terms and Acronyms

acfm	Actual cubic foot per minute
Applicant	The owner, company official or authorized agent
CFR	Code of Federal Regulations
Department	Iowa Department of Natural Resources
DNR	Iowa Department of Natural Resources
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PM ₁₀	Particulate Matter equal to or less than 10 microns in aerodynamic diameter
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SO ₂	Sulfur Dioxide, the measured surrogate for SO _x
SO _x	Sulfur Oxides, a criteria pollutant
VOC	Volatile Organic Compound

END OF PERMIT CONDITIONS