

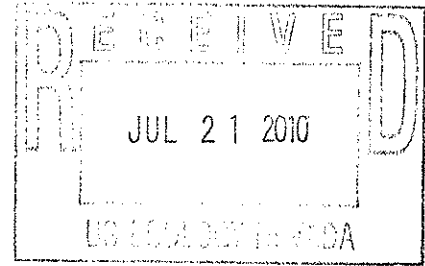
STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Jim Gibbons, Governor

Allen Biaggi, Director

Leo M. Drozdoff, P.E., Administrator

July 16, 2010



Mr. Robert Marchand
General Manager
American Ecology Corporation
P. O. Box 578
Beatty, Nevada 89003

RE: Request for Air Quality Operating Permit AP4953-0184.3, FIN A0557

Dear Mr. Marchand:

The application submitted to renew Class II Air Quality Operating Permit AP4953-0184.2 has been reviewed by my staff under legal authority from Nevada Revised Statutes 445B.100 through 445B.640 and pursuant to regulations in Nevada Administrative Code 445B.001 through 445B.3689. Based on staff review and recommendation, I am hereby renewing Air Quality Operating Permit AP4953-0184.2, with appropriate restrictions. AP4953-0184.3 must be posted conspicuously at or near the source.

Enclosed is your copy of Operating Permit AP4953-0184.3. In accordance with Nevada Revised Statute 445B.340, you may appeal the department's action of issuance of this operating permit renewal within 10 days after you receive the permit. Appeals may be filed with the State Environmental Commission, 901 S. Stewart Street, Carson City, Nevada, 89701-5249, telephone 775-687-4670.

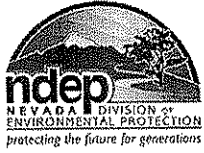
Please review your new permit carefully to understand all conditions, restrictions, monitoring, and recordkeeping requirements. If you have any questions, please call Ray Davis of my staff, at 775-687-9541.

Sincerely,

Jeff Denison, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

JD/rhd
Enclosure
Certified Mail No. 7008 1140 0004 4029 9243





BUREAU OF AIR POLLUTION CONTROL

901 SOUTH STEWART STREET SUITE 4001

CARSON CITY, NEVADA 89701-5249

p: 775-687-9350 • www.ndep.nv.gov/bapc • f: 775-687-6396

Facility ID No. A0557

Permit No. AP4953-0184.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION (HEREINAFTER REFERRED TO AS PERMITTEE)

Mailing Address: 300 EAST MALLARD DRIVE, SUITE 300, BOISE, IDAHO 83706

Physical Address: 300 EAST MALLARD DRIVE, SUITE 300, BOISE, IDAHO 83706

General Facility Location: Highway 95, 11 miles south of Beatty, Nevada at mile marker 48

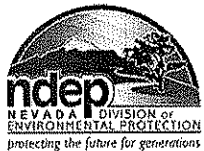
SECTION 35, T 13S, R47E, MDB&M

HA 230 – AMARGOSA DESERT/NYE COUNTY

NORTH 4,069.081 KM, EAST 527.587 KM, UTM ZONE 11 (NAD 83)

Emission Unit List (81 Emission Units):

- A. System 01 - Grizzly Hopper**
PF 1.001 Material loading to grizzly hopper
PF 1.002 Grizzly hopper, manufactured by Extec model 5000S, serial #3373, and discharge to conveyor
- B. System 02 - Screen (portable within confines of the facility, including buffer zone)**
PF 1.003 Screen, manufactured by Extec, model 5000S, serial #3373
- C. System 03 - Conveyors**
PF 1.004 Screen box discharge to oversize conveyor
PF 1.005 Screen box discharge to intermediate conveyor
PF 1.006 Screen box discharge to fines conveyor
- D. System 04 - Silo (Stabilization reagents)**
S 2.001 Silo, manufactured by Belgrade, model 300 BBL, loading
PF 1.008 Silo discharge to remediation process
- E. System 05 - Silo (Stabilization reagents)**
S 2.002 Silo, manufactured by Belgrade, model 350-T, 37 feet, loading
PF 1.009 Silo discharge to remediation process
- F. System 06 - Silo (Stabilization reagents)**
S 2.003 Silo, manufactured by Axam, model 175, 24 feet, loading
S 2.004 Silo discharge to hopper
- G. System 07 - Silo (Stabilization reagents)**
S 2.005 Silo, manufactured by Axam, model 175, 24 feet, loading
S 2.006 Silo discharge to hopper
- H. System 08 - Silo (Stabilization reagents)**
S 2.007 Silo, manufactured by Axam, model 175, 24 feet, loading
S 2.008 Silo discharge to hopper
- I. System 09 - Silo (Stabilization reagents)**
S 2.009 Silo, manufacturer, model and serial # unknown, loading
S 2.010 Silo discharge to hopper
- J. System 10 - Silo (Stabilization reagents)**
S 2.011 Silo, manufacturer, model and serial # unknown, loading
S 2.012 Silo discharge to hopper



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

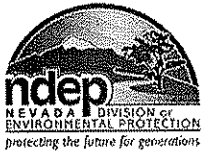
Permit No. AP4953-0184.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Emission Unit List (continued):

- K. System 11 - Hopper for Stabilization reagents**
S 2.013 Hopper, manufactured by North Monsen Company, loading
S 2.014 Hopper discharge to remediation process
- L. System 12 - Hazardous Waste Stabilization Unit (PAN #1)**
PF 1.009 Hazardous Waste Stabilization Unit (PAN #1) consisting of an open area 13' x 50' (approximate) for mixing reagent and hazardous waste, manufactured by US Ecology Nevada, Inc., and filter receiver
- M. System 13 - Hazardous Waste Stabilization Unit (PAN #2) and (PAN #3)**
PF 1.010 Hazardous Waste Stabilization Unit (PAN #2) consisting of two arched treatment areas each with a 50' exterior arch, a 30' interior arch, being 20' wide and 8' deep, manufactured by US Ecology Nevada, Inc., and one filter receiver for both PAN #2 and PAN #3. These treatment areas are used for mixing reagent and hazardous waste.
- N. System 14 - Soil Vapor Extraction Well (located near Trench 10)**
S 2.015 Soil vapor extraction wells through which vadose zone gases are removed using one or more pumps
- O. System 15 - Mixing Tank #4**
S 2.016 Shredder and discharge to vibratory conveyor
S 2.017 Conveyor and discharge to Mixing tank #4
S 2.018 Filter receiver and discharge to Mixing tank #4
S 2.019 Mixing Tank #4
- P. System 16 - Mixing Tank #5**
S 2.020 Filter receiver and discharge to Mixing Tank #5
S 2.021 Mixing Tank #5
- Q. System 17 - Storage Silo for Stabilization reagent (e.g. quicklime, portland cement), 162 tons**
S 2.022 Storage silo, loading
PF 1.011 Storage silo, discharge via sealed material transfer line to filter receiver
- R. System 18 - Storage Silo for Stabilization reagent (e.g. quicklime, portland cement), 162 tons**
S 2.023 Storage silo, loading
PF 1.012 Storage silo, discharge via sealed material transfer line to filter receiver



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

Permit No. AP4953-0184.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section I. General Conditions

- A. Severability (Nevada Administrative Code (NAC) 445B.315.3(c))
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.
- B. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470))
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
 2. Fail to pay any fee;
 3. Falsify any material statement, representation or certification in any notice or report; or
 4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
- C. Prohibited Conduct: Concealment of Emissions (NAC 445B.225)
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.
- D. Compliance/Noncompliance (NAC 445B.315.3(d))
Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
 2. Revising, revoking, reopening and revising, or terminating the Operating Permit; or
 3. Denial of an application for a renewal of the Operating Permit.
- E. NAC 445B.315.3(e)
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.
- F. NAC 445B.315.3(f)
The director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.
- G. NAC 445B.315.3(g)
This Operating Permit does not convey any property rights or any exclusive privilege.
- H. NAC 445B.315.3(h)
Permittee shall provide the Bureau of Air Pollution Control, within a reasonable time, with any information that the Bureau of Air Pollution Control requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.
- I. Fees (NAC 445B.315.3(i))
Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
- J. Right to Entry (NAC 445B.315.3(j))
Permittee shall allow the Bureau of Air Pollution Control personnel, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
 - a. The stationary source is located;
 - b. Activity related to emissions is conducted; or
 - c. Records are kept pursuant to the conditions of this Operating Permit;
 2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit;
 3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit; and
 4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.
- K. Certification (NAC 445B.315.3(k))
A responsible official of Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section I. General Conditions (continued)

L. Testing and Sampling (NAC 445B.252)

1. To determine compliance with NAC 445B.001 to 445B.3689, inclusive, before the approval or the continuance of an operating permit or similar class of permits, the director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial startup of the facility and at such times as may be required by the director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the director:
 - a. Specifies or approves, in specific cases, the use of a method of reference with minor changes in methodology;
 - b. Approves the use of an equivalent method;
 - c. Approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific stationary source is in compliance; or
 - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the director's satisfaction that the affected facility is in compliance with the standard.
3. Tests of performance must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the performance test. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a performance test unless otherwise specified in the applicable standard. (NAC 445B.252.3)
4. Permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures. (NAC 445B.252.4)
5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the director's approval. (NAC 445B.252.5)
6. All testing and sampling will be performed in accordance with recognized methods and as specified by the director. (NAC 445B.252.6)
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the director must be provided and paid for by the owner of the stationary source. (NAC 445B.252.7)
8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of NAC 445B.001 to 445B.3689, inclusive, and copies of these results must be provided to the director no later than 60 days after the testing or sampling, or both.

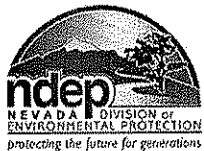
M. Maximum Opacity of Emissions (NAC 445B.22017)

1. Except as otherwise provided in this section and NAC 445B.2202, Permittee may not cause or permit the discharge into the atmosphere from any emission unit opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
 - a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
 - b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 CFR § 60.13(h).
2. The provisions of this section and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.

N. Exceptions for Stationary Sources (NAC 445B.2202)

The provisions of NAC 445B.22017 do not apply to:

1. Smoke from the open burning described in NAC 445B.22067;
2. Smoke discharged in the course of training air pollution control inspectors to observe visible emissions, if the facility has written approval of the commission;
3. Emissions from an incinerator as set forth in NAC 445B.2207;
4. Emissions of stationary diesel-powered engines during warm-up for not longer than 15 minutes to achieve operating temperatures.



BUREAU OF AIR POLLUTION CONTROL

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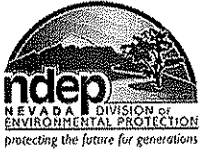
CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section I. General Conditions (continued)

- O. Odors (NAC 445B.22087)
Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents comfortable enjoyment of life or property.
- P. Assertion of Emergency as Affirmative Defense to Action for Noncompliance (NAC 445B.326.1)
Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit if the holder of the Operating Permit demonstrates through signed, contemporaneous operating logs or other relevant evidence that:
1. An emergency (as defined in NAC 445B.056) occurred and the holder of the Operating Permit can identify the cause of the emergency;
 2. The facility was being properly operated at the time of the emergency;
 3. During the emergency, the holder of the Operating Permit took all reasonable steps to minimize excess emissions; and
 4. Permittee submitted notice of the emergency to the director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.
 5. In any action for noncompliance, Permittee, by asserting the affirmative defense of any emergency, has the burden of proof.
- Q. Revocation and reissuance (NAC 445B.3265)
1. This Operating Permit may be revoked if the control equipment is not operating. (NAC 445B.3265.1)
2. This Operating Permit may be revoked by the director upon determination that there has been a violation of NAC 445B.001 to 445B.3689, inclusive, or the provisions of 40 CFR § 52.21, or 40 C.F.R. Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants adopted by reference in NAC 445B.221. (NAC 445B.3265.2)
3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested. (NAC 445B.3265.3)

*******End of General Conditions*******



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section II. General Construction Conditions

A. No construction conditions applicable

*******End of General Construction Conditions*******



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section IIA. Specific Construction Requirements

A. No construction conditions applicable

*****End of Specific Construction Requirements*****



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

Permit No. AP4953-0184.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section III. General Operating Conditions

A. Facilities Operation (NAC 445B.227)

Permittee may not:

1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of this Operating Permit is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of this Operating Permit.

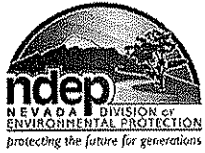
B. Excess Emissions (NAC 445B.232; NAC 445B.346.2)

1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive, must be approved by the director and performed during a time designated by the director as being favorable for atmospheric ventilation.
2. The director must be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive.
3. The director must be notified in writing or by telephone of the time and expected duration at least 24 hours in advance of any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive.
4. The director must be notified of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during startup or shutdown of such equipment. The telephone number for the notification is (775) 687-4670.
5. Permittee, as the owner or operator of an affected facility, shall provide the director, within 15 days after any malfunction, upset, startup, shutdown, or human error which results in excess emissions, sufficient information to enable the director to determine the seriousness of the excess emissions. The information must include at least the following:
 - a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
 - b. The estimated magnitude of the excess emissions expressed in opacity or in units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
 - c. The time and duration of the excess emissions.
 - d. The identity of the equipment causing the excess emissions.
 - e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
 - f. The steps taken to limit the excess emissions.
 - g. Documentation that the equipment for controlling air pollution, process equipment, or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

C. Permit Revision (NAC 445B.287.1.b)

A revision of this operating permit is required pursuant to the requirements of NAC 445B.3465 before the stationary source may be modified.

*******End of General Operating Conditions*******



BUREAU OF AIR POLLUTION CONTROL

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section IV. General Monitoring and Recordkeeping

- A. Records Retention (NAC 445B.315.3(b))
Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.
- B. Reporting (NAC 445B.346.3)
Permittee will promptly report to the director any deviations from the requirements of this Operating Permit. The report to the director will include the probable cause of all deviations and any action taken to correct the deviations. For this Operating Permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 and under condition III.B of this permit.
- C. Yearly Reports (NAC 445B.315.3(h), NAC 445B.346.2)
Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

*******End of General Monitoring and Recordkeeping Conditions*******



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0557

Permit No. AP4953-0184.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section V. Specific Operating Conditions

A. Emission Units PF1.001 and PF1.002 Location North 4069.08 km, East 527.59 km, UTM (Zone 11)

System 01 - Grizzly Hopper

PF 1.001 Material loading to grizzly hopper

PF 1.002 Grizzly hopper, manufactured by Extec model 5000S, serial #3373, and discharge to conveyor

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from PF1.001 are controlled by water sprays. Emissions from PF1.002 are not controlled.
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
On and after the date of startup of PF1.001 and PF1.002, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - a. The discharge of PM (particulate matter) to the atmosphere will not exceed **0.060** pound per hour, nor more than **0.263** ton per year, combined.
 - b. The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.022** pound per hour, nor more than **0.096** ton per year, combined.
 - c. The opacity from PF1.001 and PF1.002 each will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7, NAC 445B.346.1)
 - a. The maximum allowable throughput rate for PF1.001 and PF1.002 each will not exceed **80.0** tons of native uncontaminated soil per any one-hour period, nor more than **700,800** tons per year.
 - b. Hours
 - (1) PF1.001 and PF1.002 each may operate for **24** hours per day.
 - (2) PF1.001 and PF1.002 each may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7, NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit will:
 - (1) Monitor and record the throughput rate of native uncontaminated soil for PF1.001 and PF1.002 on a daily basis.
 - (2) Monitor and record the hours of operation for PF1.001 and PF1.002 on a daily basis.
 - (3) The required monitoring and recordkeeping established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of native uncontaminated soil in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.



BUREAU OF AIR POLLUTION CONTROL

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CLASS II AIR QUALITY OPERATING PERMIT

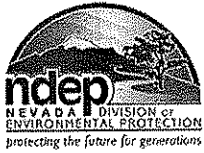
Issued to: AMERICAN ECOLOGY CORPORATION

Section V. Specific Operating Conditions (continued)

B. Emission Units PF1.003 - PF1.004.3 Location North 4069.08 km, East 527.59 km, UTM (Zone 11)

System 02 - Screen
PF 1.003 Screen, manufactured by Extec, model 5000S, serial #3373

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from PF1.003 shall be controlled by water sprays.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of PF1.003, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed **0.500** pound per hour, nor more than **2.190** tons per year.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed **0.174** pound per hour, nor more than **0.762** ton per year.
 - c. The opacity from PF1.003 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable throughput rate for PF1.003 will not exceed **80** tons of native uncontaminated soil per any one-hour period, nor more than **700,800** tons per year.
 - b. Hours
 - (1) PF1.003 may operate for **24** hours per day.
 - (2) PF1.003 may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the throughput rate of native uncontaminated soil for PF1.003 on a daily basis.
 - (2) Monitor the hours of operation for PF1.003 on a daily basis.
 - (3) The required monitoring established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of native uncontaminated soil in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.



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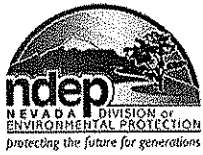
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Section V. Specific Operating Conditions (continued)

C. Emission Unit PF1.004 through PF1.006 Location North 4069.08 km, East 527.587 km, UTM (Zone 11)

System 03 - Conveyors	
PF 1.004	Oversize conveyor and discharge to stockpile
PF 1.005	Intermediate conveyor and discharge to stockpile
PF 1.006	Fines conveyor and discharge to stockpile

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from PF1.004 will be uncontrolled.
Emissions from PF1.005 through PF1.006 shall be controlled by water sprays.
2. Emission Limits (NAC 445B.308.7 NAC 445B.346.1)
 - a. On and after the date of startup of PF1.004 through PF1.006, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.240 pound per hour, nor more than 1.0512 ton per year, combined.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.088 pound per hour, nor more than 0.3854 ton per year, combined.
 - (3) The opacity from PF1.004 through PF1.006 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable throughput rate for PF1.004 through PF1.006 will not exceed 80 tons of native uncontaminated soil per any one-hour period, nor more than 700,800 tons per year, each.
 - b. Hours
 - (1) PF1.004 through PF1.006 may operate for 24 hours per day.
 - (2) PF1.004 through PF1.006 may operate 8760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the throughput rate of native uncontaminated soil for PF1.004 through PF1.006 on a daily basis.
 - (2) Monitor the hours of operation for PF1.004 through PF1.006 on a daily basis.
 - (3) The required monitoring established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of native uncontaminated soil in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.



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Section V. Specific Operating Conditions (continued)

D. Emission Units **S2.001** and **PF1.008** Location North 4068.91 km, East 527.85 km, UTM (Zone 11)

System 04 – Silo (Stabilization reagents)

S	2.001	Silo, manufactured by Belgrade, model 3000 BBL, loading
PF	1.007	Silo discharge to remediation process

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from **S2.001** shall be ducted to a control system consisting of a Belle dust house with a volume flow rate of 375 actual cubic feet per minute (acfm).
Stack height – 41.5 feet
Stack diameter – 10 inches
Stack temperature - ambient

Emissions from **PF1.007** shall be controlled by water sprays.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
 - a. On and after the date of startup of **S2.001**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed **0.2225** pound per hour, nor more than **0.9746** ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed **0.1225** pound per hour, nor more than **0.5366** ton per year.
 - (3) The opacity from **S2.001** will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of **PF1.007**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed **0.0355** pound per hour, nor more than **1.5549** ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed **0.100** pound per hour, nor more than **0.438** ton per year.
 - (3) The opacity from **PF1.007** will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum loading rate of stabilization reagents for **S2.001** will not exceed **25.0** tons of stabilization reagent per any one-hour period, nor more than **219,000** tons per year.
 - b. The maximum allowable discharge rate for **PF1.007** will not exceed **25.0** tons of stabilization reagent per any one-hour period, nor more than **219,000** tons per year.
 - c. Hours
 - (1) **S2.001** and **PF1.007** each may operate for **24** hours per day.
 - (2) **S2.001** and **PF1.007** each may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for **S2.001** on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for **PF1.007** on a daily basis.
 - (3) Monitor the hours of operation for **S2.001** and **PF1.007** on a daily basis
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily filling rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily filling hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly filling rate in tons per hour. The average hourly filling rate will be determined from the total daily filling rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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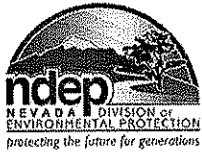
Section V. Specific Operating Conditions (continued)

E. Emission Units **S2.002** and **PF1.008** Location North 4068.93 km, East 527.86 km, UTM (Zone 11)

System 05-	Silo (Stabilization reagents)
S 2.002	Silo, manufactured by Belgrade, model 350-T, 37 feet, loading
PF 1.008	Silo discharge to remediation process

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from **S2.002** shall be ducted to a control system consisting of a Belle dust house with a volume flow rate of 375 acfm.
Stack height – 41.5 feet
Stack diameter – 10 inches
Stack temperature – ambient

Emissions from **PF1.008** shall be controlled by water sprays.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
 - a. On and after the date of startup of **S2.002**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed **0.2225** pound per hour, nor more than **0.9746** ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed **0.1225** pound per hour, nor more than **0.5366** ton per year.
 - (3) The opacity from **S2.002** will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of **PF1.008**, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed **0.355** pound per hour, nor more than **1.5549** ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed **0.100** pound per hour, nor more than **0.4380** ton per year.
 - (3) The opacity from **PF1.008** will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for **S2.002** will not exceed **25.0** tons of stabilization reagent per any one-hour period, nor more than **219,000** tons per year.
 - b. The maximum allowable discharge rate for **PF1.008** will not exceed **25.0** tons of stabilization reagent per any one-hour period, nor more than **219,000** tons per year.
 - c. Hours
 - (1) **S2.002** and **PF1.008** each may operate for **24** hours per day.
 - (2) **S2.002** and **PF1.008** each may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for **S2.002** on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for **PF1.008** on a daily basis.
 - (3) Monitor the hours of operation for **S2.002** and **PF1.008** on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily filling rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily filling hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly filling rate in tons per hour. The average hourly filling rate will be determined from the total daily filling rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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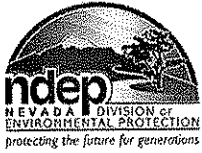
Section V. Specific Operating Conditions (continued)

F. Emission Units S2.003 and S2.004 Location North 4068.91 km, East 527.85 km, UTM (Zone 11)

System 06 – Silo (Stabilization reagents)

S	2.003	Silo, manufactured by Axam, model 175, 24 feet, loading
S	2.004	Silo discharge to hopper

1. **Air Pollution Equipment** (NAC 445B.308.7, NAC 445B.346.1)
Emissions from **S2.003** and **S2.004** shall be ducted to a control system consisting of a Besser Appco Division baghouse with a maximum volume flow rate of 1,000 acfm. The baghouse controls emissions from Systems 08, 09, and 10.
Stack height – 8 feet
Stack diameter – 0.67 foot
Stack temperature – 5 degrees above ambient
2. **Emission Limits** (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of **S2.003** and **S2.004**, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed **0.426** pound per hour, nor more than **1.868** tons per year.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed **0.426** pound per hour, nor more than **1.868** tons per year.
 - c. The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. **Operating Parameters** (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for **S2.003** will not exceed **40.0** tons of stabilization reagent per any one-hour period, nor more than **350,400** tons per year.
 - b. The maximum allowable discharge rate for **S2.004** will not exceed **40.0** tons of stabilization reagent per any one-hour period, nor more than **350,400** tons per year.
 - c. **Hours**
 - (1) **S2.003** and **S2.004** each may operate for **24** hours per day.
 - (2) **S2.003** and **S2.004** each may operate **8,760** hours per calendar year.
4. **Monitoring, Testing and Reporting** (NAC 445B.308.7; NAC 445B.346.2)
 - a. **Monitoring and Recordkeeping**
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for **S2.003** on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for **S2.004** on a daily basis.
 - (3) Monitor the hours of operation for **S2.003** and **S2.004** on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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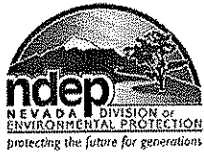
Section V. Specific Operating Conditions (continued)

G. Emission Units **S2.005** and **S2.006** Location North 4068.93 km, East 527.85 km, UTM (Zone 11)

System 07 -- Silo (Stabilization reagents)

S	2.005	Silo, manufactured by Axam, model 175, 24 feet, loading
S	2.006	Silo discharge to hopper

1. **Air Pollution Equipment** (NAC 445B.308.7; NAC 445B.346.1)
Emissions from **S2.005** and **S2.006** shall be ducted to a control system consisting of a Besser Appco Division baghouse with a maximum volume flow rate of 1,000 acfm. The baghouse controls emissions from Systems 06, 07, and 08.
Stack height – 8 feet
Stack diameter – 0.67 foot
Stack temperature – 5 degrees above ambient
2. **Emission Limits** (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of **S2.005** and **S2.006**, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed the limits established for System 06, Section V.F.2.a.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed the limits established for System 08, Section V.F.2.b.
 - c. The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. **Operating Parameters** (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for **S2.005** will not exceed **40.0** tons of stabilization reagent per one hour period, nor more than **350,400** tons per year.
 - b. The maximum allowable discharge rate for **S2.006** will not exceed **40.0** tons of stabilization reagent per any one-hour period, nor more than **350,400** tons per year.
 - c. **Hours**
 - (1) **S2.005** and **S2.006** each may operate for **24** hours per day.
 - (2) **S2.005** and **S2.006** each may operate **8,760** hours per calendar year.
4. **Monitoring, Testing and Reporting** (NAC 445B.308.7; NAC 445B.346.2)
 - a. **Monitoring and Recordkeeping**
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for **S2.005** on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for **S2.006** on a daily basis.
 - (3) Monitor the hours of operation for **S2.005** and **S2.006** on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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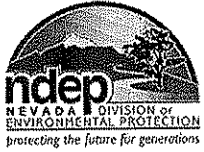
Section V. Specific Operating Conditions (continued)

H. Emission Units **S2.007** and **S2.008** Location North 4068.93 km, East 527.87 km, UTM (Zone 11)

System 08 – Silo (Stabilization reagents)

S	2.007	Silo, manufactured by Axam, model 175, 24 feet, loading
S	2.008	Silo discharge to hopper

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from **S2.007** and **S2.008** shall be ducted to a control system consisting of a Besser Appco Division baghouse with a maximum volume flow rate of 1,000 acfm. The baghouse controls emissions from Systems 06, 07, and 08.
Stack height – 8 feet
Stack diameter – 0.67 foot
Stack temperature – 5 degrees above ambient
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
On and after the date of startup of **S2.007** and **S2.008**, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed the limits established for System 08, Section V.F.2.a.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed the limits established for System 08, Section V.F.2.b.
 - c. The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for **S2.007** will not exceed **40.0** tons of stabilization reagent per any one-hour period, nor more than **350,400** tons per year.
 - b. The maximum allowable discharge rate for **S2.008** will not exceed **40.0** tons of stabilization reagent per any one-hour period, nor more than **350,400** tons per year.
 - c. Hours
 - (1) **S2.007** and **S2.008** each may operate for **24** hours per day.
 - (2) **S2.007** and **S2.008** each may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for **S2.007** on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for **S2.008** on a daily basis.
 - (3) Monitor the hours of operation for **S2.007** and **S2.008** on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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Section V. Specific Operating Conditions (continued)

I. Emission Units S2.009 and S2.010 Location North 4068.88 km, East 527.97 km, UTM (Zone 11)

System 09 - Silo (Stabilization reagents)

S	2.009	Silo, loading
S	2.010	Silo discharge to hopper

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from S2.009 and S2.010 shall be ducted to a control system consisting of a bin vent.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
 - a. On and after the date of startup of S2.009, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.356 pound per hour, nor more than 1.5593 tons per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.196 pound per hour, nor more than 0.8585 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of S2.010, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.692 pound per hour, nor more than 3.031 tons per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.1920 pound per hour, nor more than 0.841 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for S2.009 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - b. The maximum allowable discharge rate for S2.010 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - c. Hours
 - (1) S2.009 and S2.010 each may operate for 24 hours per day.
 - (2) S2.009 and S2.010 each may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for S2.009 on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for S2.010 on a daily basis.
 - (3) Monitor the hours of operation for S2.009 and S2.010 on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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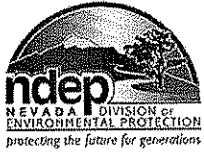
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Section V. Specific Operating Conditions (continued)

J. Emission Units S2.011 and S2.012 Location North 4068.88 km, East 527.97 km, UTM (Zone 11)

System 10 - Silo (Stabilization reagents)
S 2.011 Silo, manufacturer, model and serial # unknown, loading
S 2.012 Silo discharge to hopper

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from S2.011 and S2.012 shall be ducted to a control system consisting of a bin vent.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
 - a. On and after the date of startup of S2.011, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.356 pound per hour, nor more than 1.5593 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.1960 pound per hour, nor more than 0.8585 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of S2.012, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.692 pound per hour, nor more than 3.031 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.192 pound per hour, nor more than 0.841 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for S2.011 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - b. The maximum allowable discharge rate for S2.012 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - c. Hours
 - (1) S2.011 and S2.012 each may operate for 24 hours per day.
 - (2) S2.011 and S2.012 each may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for S2.011 on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for S2.012 on a daily basis.
 - (3) Monitor the hours of operation for S2.011 and S2.012 on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: AMERICAN ECOLOGY CORPORATION

Section V. Specific Operating Conditions (continued)

K. Emission Units S2.013 and S2.014 Location North 4068.88 km, East 527.97 km, UTM (Zone 11)

System 11 - Hopper for Stabilization reagents

- | | | |
|---|-------|---|
| S | 2.013 | Hopper, manufactured by North Monsen Company, loading |
| S | 2.014 | Hopper discharge to remediation process |

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from S2.013 and S2.014 shall be ducted to a control system consisting of a bin vent.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
 - a. On and after the date of startup of S2.013, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.356 pound per hour, nor more than 1.5593 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.1960 pound per hour, nor more than 0.8585 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of S2.014, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.692 pound per hour, nor more than 3.031 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.192 pound per hour, nor more than 0.841 ton per year.
 - (3) The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for S2.013 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - b. The maximum allowable discharge for S2.014 will not exceed 40.0 tons of stabilization reagent per any one-hour period, nor more than 350,400 tons per year.
 - c. Hours
 - (1) S2.013 and S2.014 each may operate for 24 hours per day.
 - (2) S2.013 and S2.014 each may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for S2.013 on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for S2.014 on a daily basis.
 - (3) Monitor the hours of operation for S2.013 and S2.014 on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above



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Section V. Specific Operating Conditions (continued)

L. Emission Unit PF1.010 Location North 4068.82 km, East 527.86 km, UTM (Zone 11)

System 12 – Hazardous Waste Stabilization Unit (PAN #1)

PF 1.010 Hazardous Waste Stabilization Unit (PAN #1) consisting of an open area 13' x 50' (approximate) for mixing reagent and hazardous waste, manufactured by US Ecology Nevada, Inc., and filter receiver

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from PF1.010 shall be controlled by prewetting material prior to dumping of waste into PAN #1, manual watering of waste in PAN #1 by personnel surrounding the pan and/or water truck.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of PF1.010, Permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed **0.3825** pound per hour, nor more than **1.6754** tons per year.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed **0.180** pound per hour, nor more than **0.7884** tons per year.
 - c. The opacity from PF1.010 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable throughput rate for PF1.010 will not exceed **75.0** tons of mixing reagent and hazardous waste per any one-hour period, nor more than **657,000** tons per year.
 - b. PF1.010 will not process waste prohibited in the facility's current RCRA permit.
 - c. PF1.010 will be operated and maintained pursuant to the facility's current RCRA permit.
 - d. Hours
 - (1) PF1.010 may operate for **24** hours per day.
 - (2) PF1.010 may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor and record the throughput rate of mixing reagent and hazardous waste for PF1.010 on a daily basis.
 - (2) Monitor and record the hours of operation for PF1.010 on a daily basis.
 - (3) The required monitoring established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of mixing reagent and hazardous waste in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.011 Location North 4068.82 km, East 527.86 km, UTM (Zone 11)

System 13 – Hazardous Waste Stabilization Unit (PAN #2) and (PAN #3)

PF 1.011 Hazardous Waste Stabilization Unit (PAN #2) consisting of two arched treatment areas each with a 50' exterior arch, a 30' interior arch, being 20' wide and 8' deep, manufactured by US Ecology Nevada, Inc., and one filter receiver for both PAN #2 and PAN #3. These treatment areas are used for mixing reagent and hazardous waste.

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from PF1.011 shall be controlled by prewetting material prior to dumping of waste into PAN, manual watering of waste in PAN by personnel surrounding the pit, and/or water truck.
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of PF1.011, Permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed 0.3825 pound per hour, nor more than 1.6754 tons per year.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed 0.180 pound per hour, nor more than 0.7884 tons per year.
 - c. The opacity from PF1.011 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - d. The maximum allowable throughput rate for PF1.011 will not exceed 75.0 tons of mixing reagent and hazardous waste per any one-hour period, nor more than 657,000 tons per year.
 - e. PF1.011 will not process waste prohibited in the facility's current RCRA permit.
 - f. PF1.011 will be operated and maintained pursuant to the facility's current RCRA permit.
 - d. Hours
 - (1) PF1.011 may operate for 24 hours per day.
 - (2) PF1.011 may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor and record the throughput rate of mixing reagent and hazardous waste for PF1.011 on a daily basis.
 - (2) Monitor and record the hours of operation for PF1.011 on a daily basis.
 - (3) The required monitoring established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of mixing reagent and hazardous waste in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.



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Section V. Specific Operating Conditions (continued)

N. Emission Unit S2.053 Location North 4069.15 km, East 527.87 km, UTM (Zone 11)

System 14 - Soil Vapor Extraction Well (located near trench 10)

S 2.015 Soil vapor extraction wells through which vadose zone gases are removed using one or more pumps

1. Air Pollution Equipment (NAC 445B.308.7, NAC 445B.346.1)
Emissions from S2.015 pumps shall each be controlled by a carbon filter with 95% control efficiency. The carbon filter will have a post carbon single and common exhaust joined with S2.015.

Stack height – not provided
Stack diameter – 0.17 foot
Stack temperature – ambient
Stack gas volume flow – 40 acfm
2. Emission Limits (NAC 445B.308.7, NAC 445B.346.1)
On and after the date of startup of S2.015, Permittee, will not discharge or cause the discharge into the atmosphere from the emissions points of S2.015, the following pollutants in excess of the following specified limits:
 - a. The discharge of VOC into the atmosphere will not exceed 0.23 pound per one-hour period, nor more than 1.01 ton per year.
 - b. The discharge of HAP into the atmosphere will not exceed 0.23 pound per one-hour period, nor more than 1.01 ton per year.
 - c. The opacity from the emission point of S2.015 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable VOC extraction emissions for S2.015 will not exceed 4.5 pounds of VOC extracted from the vadose zone per any one-hour period, nor more total VOC extraction of 19.3 tons per year.
 - b. S2.015 will be operated according to any additional requirements set forth in facility's RCRA permit.
 - c. Hours
 - (1) S2.015 may operate for 24 hours per day.
 - (2) S2.015 may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor and record the VOC and HAP extraction emissions for S2.015 on a daily basis.
 - (2) The VOC and HAP emissions will be determined from a sample collected, pre carbon compounds, from each well annually to be analyzed by method EPATO14 and ASTM1945.
 - (3) Monitor and record the hours of operation for S2.015 on a daily basis. The pumps will be assumed to operate 24 hours per day, unless otherwise noted in the log.
 - (4) Monitor and record the flow rate of each pump when in operation for S2.015 on a daily basis.
 - (5) The required monitoring established in (1) through (4) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily VOC extraction emissions in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The flow rate of each pump for the corresponding date.
 - (e) The total daily VOC extraction emissions will be determined from the samples taken on an annual basis pursuant to N.4.a.(2) above for the corresponding date.
 - (f) The corresponding average VOC extraction emission rate, respectively, in tons per hour. The average extraction rate will be determined from the total daily VOC extraction emission rates recorded in N.4.a.(1) and 4.a.(3) above.
 - (g) The corresponding average VOC extraction emission rate, respectively, in tons per 12-month rolling period.
 - (h) The total daily HAP extraction emissions will be determined from the samples taken on an annual basis pursuant to N.4.a.(2) above, for the corresponding date.
 - (i) The corresponding average HAP extraction emission rate, respectively, in tons per hour. The average extraction rate will be determined from the total daily HAP extraction emission rates recorded N.4.a.(1) and 4.a.(3) above.
 - (j) The corresponding average HAP extraction emission rate, respectively, in tons per 12 month rolling period.



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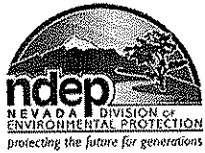
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Section V. Specific Operating Conditions (continued)

O. Emission Units S2.016 through S2.019 Location North 4,068.85 km, East 527.92 km, UTM (Zone 11)

System 15 – Mixing Tank #4	
S 2.016	Shredder and discharge to vibratory conveyor
S 2.017	Conveyor and discharge to Mixing Tank #4
S 2.018	Filter receiver and discharge to Mixing Tank #4
S 2.019	Mixing Tank #4

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from **S2.016 through S2.019** shall be ducted to a control system consisting of a baghouse with 100% capture and a maximum volume flow rate of 46,400 dry standard cubic feet per minute (dscfm). The baghouse also controls emissions from System 16 (S2.020 and S2.021).
Stack height – 50 feet
Stack diameter – 3.83 feet
Stack temperature – 120 degrees Fahrenheit
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
On and after the date of startup of **S2.016 through S2.019**, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse, the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed **2.784** pounds per hour, nor more than **12.194** tons per year.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed **2.784** pounds per hour, nor more than **12.194** tons per year.
 - c. The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7, NAC 445B.346.1)
 - a. The maximum allowable throughput rate for **S2.016 and S2.017** each will not exceed **50** tons of hazardous waste per any one-hour period, nor more than **438,000** tons per calendar year.
 - b. The maximum allowable throughput rate for **S2.018** will not exceed **20** tons of stabilization reagent per any one-hour period, nor more than **175,200** tons per calendar year.
 - c. The maximum allowable throughput rate for **S2.019** will not exceed **110** tons of mixture (reagent, hazardous waste, and water) per any one-hour period, nor more than **963,600** tons per calendar year.
 - d. Hours
 - (1) **S2.016 through S2.019** each may operate for **24** hours per day.
 - (2) **S2.016 through S2.019** may operate **8,760** hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7, NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit will:
 - (1) Monitor and record the throughput rate of material for **S2.016 through S2.019** on a daily basis.
 - (2) Monitor and record the hours of operation for **S2.016 through S2.019** on a daily basis.
 - (3) The required monitoring and recordkeeping established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of mixture (reagent, hazardous waste, and water) in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly hours of operation, and the corresponding sum of hours of operation for the calendar year. The monthly hours of operation will be determined at the end of each calendar month as the sum of daily hours of operation as determined in (c) above for each day of the calendar month. The monthly hours of operation shall be added beginning in January of each year to insure compliance with 3.d.(2) of this section.



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Section V. Specific Operating Conditions (continued)

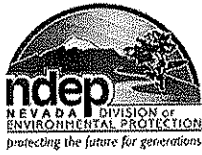
O. Emission Units S2.016 through S2.019 (continued)

4. Monitoring, Testing and Reporting (NAC 445B.308.7, NAC 445B.346.2) (continued)

b. Performance/Compliance Testing (NAC 445B.252.1)

At least 90 days prior to the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, Permittee will conduct and record the following performance tests on the exhaust stack of the baghouse:

- (1) Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine the particulate matter concentration. The sample volume for each test run shall be at least 1.70 dscm (60 dscf and at least 60 minutes). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121°C (250°F)) in order to prevent water condensation on the filter.
- (2) A Method 201A test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director for PM₁₀).
- (3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 tests with back-half catch performed under this provision shall be considered PM₁₀ emissions for determination of compliance with the emission limitations established in 2.b of this section.
- (4) For the purposes of demonstrating compliance with the opacity standard established in 2.c of this section, opacity observations shall be conducted concurrently with the performance test and in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).
- (5) Performance tests required under this section shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.
- (6) Performance tests required under this section that are conducted below the maximum allowable throughput, as established in 3.a of this section, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.
- (7) Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.



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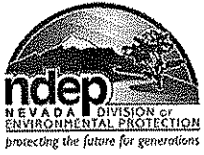
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Section V. Specific Operating Conditions (continued)

P. Emission Units S2.058 and S2.059 Location North 4,068.83 km, East 527.94 km, UTM (Zone 11)

System 16 – Mixing Tank #5	
S 2.020	Filter receiver and discharge to Mixing Tank #5
S 2.021	Mixing Tank #5

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from S2.020 and S2.021 shall be ducted to a control system consisting of a Mikro-Pul baghouse with 100% capture and a maximum volume flow rate of 46,400 dscfm. The baghouse also controls emissions from System 15 (S2.016 through S2.019).
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
On and after the date of startup of S2.058 and S2.059, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of the baghouse, the following pollutants in excess of the following specified limits:
 - a. The discharge of PM to the atmosphere will not exceed the emission limits found in section V.O.2.a.
 - b. The discharge of PM₁₀ to the atmosphere will not exceed the emission limits found in section V.O.2.b.
 - c. The opacity from the stack discharge will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7, NAC 445B.346.1)
 - a. The maximum allowable throughput rate for S2.020 will not exceed 20 tons of mixture (reagent, hazardous waste, and water) per any one-hour period, nor more than 175,200 tons per calendar year.
 - b. The maximum allowable throughput rate for S2.021 will not exceed 110 tons of mixture (reagent, hazardous waste, and water) per any one-hour period, nor more than 963,600 tons per calendar year.
 - c. Hours
 - (1) S2.020 and S2.021 each may operate for 24 hours per day.
 - (2) S2.020 and S2.021 each may operate 8,760 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7, NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit will:
 - (1) Monitor and record the throughput rate of material for S2.020 and S2.021 on a daily basis.
 - (2) Monitor and record the hours of operation for S2.020 and S2.021 on a daily basis.
 - (3) The required monitoring and recordkeeping established in (1) and (2) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of mixture (reagent, hazardous waste, and water) in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly hours of operation, and the corresponding sum of hours of operation for the calendar year. The monthly hours of operation will be determined at the end of each calendar month as the sum of daily hours of operation as determined in (c) above for each day of the calendar month. The monthly hours of operation shall be added beginning in January of each year to insure compliance with 3.c.(2) of this section.



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Section V. Specific Operating Conditions (continued)

P. Emission Units S2.020 and S2.021 (continued)

4. Monitoring, Testing and Reporting (NAC 445B.308.7, NAC 445B.346.2) (continued)

b. Performance/Compliance Testing (NAC 445B.252.1)

At least 90 days prior to the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, Permittee will conduct and record the following performance tests on the exhaust stack of the baghouse:

- (1) Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine the particulate matter concentration. The sample volume for each test run shall be at least 1.70 dscm (60 dscf and at least 60 minutes). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121°C (250°F)) in order to prevent water condensation on the filter.
- (2) A Method 201A test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director for PM₁₀).
- (3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 tests with back-half catch performed under this provision shall be considered PM₁₀ emissions for determination of compliance with the emission limitations established in 2.b of this section.
- (4) For the purposes of demonstrating compliance with the opacity standard established in 2.c of this section, opacity observations shall be conducted concurrently with the performance test and in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).
- (5) Performance tests required under this section shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.
- (6) Performance tests required under this section that are conducted below the maximum allowable throughput, as established in 3.a of this section, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.
- (7) Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.



BUREAU OF AIR POLLUTION CONTROL

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CLASS II AIR QUALITY OPERATING PERMIT

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Section V. Specific Operating Conditions (continued)

Q. Emission Units S2.022 and PF1.011 Location North 4,068.86 km, East 527.93 km, UTM (Zone 11)

System 17 – Storage Silo for Stabilization reagent (e.g. quicklime, portland cement), 162 tons	
S 2.022	Storage Silo, loading
PF 1.011	Storage Silo, discharge via sealed material transfer line to filter receiver

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from S2.022 shall be controlled by a bin vent.
Emissions from PF1.011 shall be controlled by a sealed transfer lines into two filter receivers inside the mixing room.
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
 - a. On and after the date of startup of S2.022, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.445 pounds per hour, nor more than 0.2225 tons per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.245 pounds per hour, nor more than 0.1225 tons per year.
 - (3) The opacity from S2.022 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of PF1.011, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.00 pound per hour, nor more than 0.00 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.00 pound per hour, nor more than 0.00 ton per year.
 - (3) The opacity from PF1.011 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for S2.022 will not exceed 50 tons of stabilization reagent per any one-hour period, nor more than 50,000 tons per year.
 - b. The maximum allowable discharge rate for PF1.011 will not exceed 20 tons of stabilization reagent per any one-hour period, nor more than 50,000 tons per year.
 - c. Hours
 - (1) S2.022 may operate for 24 hours per day, but may not operate in excess of 1,000 hours per calendar year.
 - (2) PF1.011 may operate for 24 hours per day, but may not operate in excess of 2,500 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for S2.022 on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for PF1.011 on a daily basis.
 - (3) Monitor the hours of operation for S2.022 and PF1.011 on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.
 - (h) The monthly loading hours of operation, and the corresponding sum of loading hours of operation for the calendar year. The monthly loading hours of operation will be determined at the end of each calendar month as the sum of daily loading hours of operation as determined in (e) above for each day of the calendar month. The monthly loading hours of operation shall be added beginning in January of each year to determine compliance with 3.c.(1) of this section.
 - (i) The monthly discharge hours of operation, and the corresponding sum of discharge hours of operation for the calendar year. The monthly discharge hours of operation will be determined at the end of each calendar month as the sum of daily discharge hours of operation as determined in (e) above for each day of the calendar month. The monthly loading hours of operation shall be added beginning in January of each year to determine compliance with 3.c.(2) of this section.



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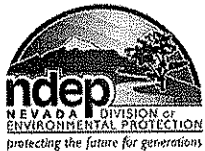
Section V. Specific Operating Conditions (continued)

R. Emission Units S2.023 and PF1.012 Location North 4,068.86 km, East 527.93 km, UTM (Zone 11)

System 18 – Storage Silo for Stabilization reagent (e.g. quicklime, portland cement), 162 tons	
S 2.023	Storage silo, loading
PF 1.012	Storage silo, discharge via sealed material transfer line to filter receiver

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
Emissions from S2.023 shall be controlled by a bin vent.
Emissions from PF1.012 shall be controlled by a sealed transfer lines into two filter receivers inside the mixing room.
2. Emission Limits (NAC 445B.308.7; NAC 445B.346.1)
 - a. On and after the date of startup of S2.023, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.445 pounds per hour, nor more than 0.2225 tons per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.245 pounds per hour, nor more than 0.1225 tons per year.
 - (3) The opacity from S2.023 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. On and after the date of startup of PF1.012, Permittee will not discharge or cause the discharge into the atmosphere the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM to the atmosphere will not exceed 0.00 pound per hour, nor more than 0.00 ton per year.
 - (2) The discharge of PM₁₀ to the atmosphere will not exceed 0.00 pound per hour, nor more than 0.00 ton per year.
 - (3) The opacity from PF1.012 will not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable loading rate for S2.023 will not exceed 50 tons of stabilization reagent per any one-hour period, nor more than 50,000 tons per calendar year.
 - b. The maximum allowable discharge rate for PF1.012 will not exceed 20 tons of stabilization reagent per any one-hour period, nor more than 50,000 tons per calendar year.
 - c. Hours
 - (1) S2.023 may operate for 24 hours per day, but may not operate in excess of 1,000 hours per calendar year.
 - (2) PF1.012 may operate for 24 hours per day, but may not operate in excess of 2,500 hours per calendar year.
4. Monitoring, Testing and Reporting (NAC 445B.308.7; NAC 445B.346.2)
 - a. Monitoring and Recordkeeping
Permittee, upon the issuance date of this permit, will:
 - (1) Monitor the loading rate of stabilization reagent for S2.023 on a daily basis.
 - (2) Monitor the discharge rate of stabilization reagent for PF1.012 on a daily basis.
 - (3) Monitor the hours of operation for S2.023 and PF1.012 on a daily basis.
 - (4) The required monitoring established in (1) through (3) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of stabilization reagent in tons, for the corresponding date.
 - (c) The total daily discharge rate of stabilization reagent in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate in tons per hour. The average hourly loading rate will be determined from the total daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The corresponding average hourly discharge rate in tons per hour. The average hourly discharge rate will be determined from the total daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.
 - (h) The monthly loading hours of operation, and the corresponding sum of loading hours of operation for the calendar year. The monthly loading hours of operation will be determined at the end of each calendar month as the sum of daily loading hours of operation as determined in (d) above for each day of the calendar month. The monthly loading hours of operation shall be added beginning in January of each year to determine compliance with 3.c.(1) of this section.
 - (i) The monthly discharge hours of operation, and the corresponding sum of discharge hours of operation for the calendar year. The monthly discharge hours of operation will be determined at the end of each calendar month as the sum of daily discharge hours of operation as determined in (e) above for each day of the calendar month. The monthly loading hours of operation shall be added beginning in January of each year to determine compliance with 3.c.(2) of this section.

*****End of Specific Operating Conditions*****



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Section VI. Emission Caps

A. No Emission Caps Defined.

*****End of Emission Caps*****



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Section VII. Surface Area Disturbance Conditions

Surface area disturbance in excess of 20 acres

A. Dust Control Plan (NRS 445B.230.6)

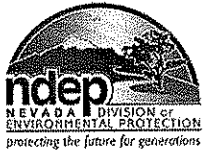
Permittee may not cause or permit the construction, repair, or demolition work, or the use of unpaved or untreated areas without applying all such measures as may be required by the Director to prevent particulate matter from becoming airborne.

1. Permittee will control fugitive dust in accordance with the dust control plan entitled "Fugitive Dust Control And Process Fugitive Emission Control Plan", as submitted on May 28, 2010.

B. Fugitive Dust (NAC 445B.22037)

1. Permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, Permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, Permittee may not disturb or cover 5 acres or more of land or its topsoil until Permittee has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
 - a. Agricultural activities occurring on agricultural land; or
 - b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

*******End of Surface Area Disturbance Conditions*******



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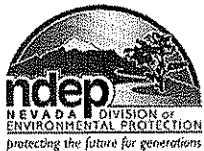
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Section VIII. Schedules of Compliance

A. N/A

*****End of Schedule of Compliance Conditions*****



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Section IX. Amendments

This permit:

1. Is non-transferable. (NAC 445B.287.3)
2. Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5)
3. Will expire and be subject to renewal five (5) years from: August 5, 2010.
(NAC 445B.315)
4. A completed application for renewal of an operating permit must be submitted to the director on the form provided by him with the appropriate fee at least 70 calendar days before the expiration date of this operating permit. (NAC 445B.3473.2)
5. Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)

THIS PERMIT EXPIRES ON: August 5, 2015

Signature: 
Issued by: Jeff Denison
Supervisor, Permitting Branch
Nevada Bureau of Air Pollution Control

Phone: (775) 687-9336 Date: July 16, 2010

CLASS II NON-PERMIT EQUIPMENT LIST

Appended to Permit #AP4953-0184.03

Emission Unit #	Emission Unit Description
IA1.001	Diesel storage tank
IA1.002	Gasoline storage tank
IA1.003	Waste oil Storage Tank
IA1.004	PCB Storage & Treatment Tank (T-4 on RCRA Permit) (7,500 gal)
IA1.005	PCB Storage & Treatment Tank (T-5 on RCRA Permit) (7,500 gal)
IA1.006	PCB Storage & Treatment Tank (T-6 on RCRA Permit) (5,000 gal)
IA1.007	PCB Storage & Treatment Tank (T-7 on RCRA Permit) (5,000 gal)
IA1.008	PCB Storage & Treatment Tank (T-8 on RCRA Permit) (3,000 gal)
IA1.009	Leachate Storage Tank (T-15 on RCRA Permit) (10,000 gal)
IA1.010	Evaporation Tank @ Truck Wash Pad (T-11 on RCRA Permit) (10,000 gal)
IA1.011	Cooling water storage tank
IA1.012	Vinplex (product) storage tank
IA1.013	Air conditioning equipment
IA1.014	4.9 HP Portable Generator
IA1.015	4.9 HP Portable Generator
IA1.016	22.5 HP Portable Generator
IA1.017	52 HP Portable Generator
IA1.018	94 HP Portable Generator