

STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

QA: N/A

Kenny C. Guinn, Governor

Allen Biaggi, Director

Leo M. Drozdoff, P.E., Administrator

August 8, 2006

RECEIVED BY OCRWM CCU

DATE: 08/14/2006

W. John Arthur, III
 Director, Yucca Mountain Site Operations Office
 U.S. Department of Energy
 Office of Civilian Radioactive Waste Management
 1551 Hillshire Drive
 Las Vegas, NV 89134-6321

**Re: Class II General Air Quality Operating Permit Renewal, #AP9199-0573.02,
 FIN #A0023**

Dear Mr. Arthur:

The application submitted by U.S. Department of Energy, Office of Civilian Radioactive Waste Management for Renewal of Class II General Air Quality Operating Permit #AP9199-0573.01 has been reviewed by the Nevada Division of Environmental Protection - Bureau of Air Pollution Control (NDEP-BAPC) under legal authority from Nevada Revised Statutes 445B.100 through 445B.640 and pursuant to regulations in Nevada Administrative Code 445B.001 through 445B.3497. Based on NDEP-BAPC's review and recommendation, I am hereby issuing **Renewal Air Quality Operating Permit #AP9199-0573.02** with appropriate restrictions. The Renewal Permit #AP9199-0573.02 must be posted conspicuously at or near the source.

This Renewal Permit incorporates Permittee's all requested changes listed on Permit Revision Application received by NDEP-BAPC on March 22, 2006; and Administrative Amendment request [company name change to U.S. DOE, Office of Civilian Radioactive Waste Management; title change for W. John Arthur, III (Responsible Official) to Director, Yucca Mountain Site Operations Office; and appropriate contact to Richard E. Spence, Program Manager, Environment, Safety, Health, and Security] and Permit Renewal Application received on May 11, 2006.

Enclosed is your copy of Renewal Air Quality Operating Permit #AP9199-0573.02. In accordance with Nevada Revised Statute 445B.340, you may appeal the department's action of issuance of this operating permit (minor revision) within 10 days after you receive the permit. Appeals may be filed with the State Environmental Commission, 901 S. Stewart Street, Suite 4001, Carson City, Nevada, 89701-5249, telephone 775-687-4670.



U.S. Department of Energy
Office of Civilian Radioactive Waste Management
August 8, 2006
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Please review your renewal permit carefully to understand all conditions, restrictions, monitoring and recordkeeping requirements. If you have any questions, please call Tobarak Ullah, P.E. at 775-687-9341 or myself at (775) 687-9391.

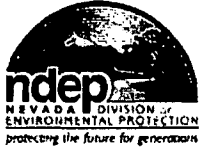
Sincerely,



Matthew A. DeBurle, P.E.
Supervisor, Class I Permitting Branch
Bureau of Air Pollution Control

MAD/tu
Enclosure(s): Renewal Permit #AP9199-0573.02
Certified Mail 7005 0390 0002 0503 9731

PROCESSED
AUG 14 2008
OCRWM CCU *LM*



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. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, HEREAFTER CALLED THE PERMITTEE

Mailing Address: 1551 HILLSHIRE DRIVE, LAS VEGAS, NEVADA 89134-6321

Physical Address: Portal Site is approximately 15 miles North of Amargosa Valley, off Lathrop Wells Road

General Facility Location: Yucca Mountain (for Sections, Townships and Ranges, see Section VII)

Emission Unit List: (22 Emission Units)

A. System 01 – Kolberg Screening Plant

PF	1.001	Front End Loader transfer to Hopper
PF	1.002	Hopper transfer to Conveyor
PF	1.003	Conveyor transfer to Screen (Kolberg Series 26)
PF	1.004	Screen (Kolberg Series 26, diesel-hydraulic), Serial # 551609
PF	1.005	Screen (Kolberg Series 26), undersize transfer to Conveyor # 79354, oversize transfer to Stockpile
PF	1.006	Conveyor (Serial # 79354) transfer to Stockpile

B. System 02 – Diesel Generators, limited to a combined total of 500 hours/year (Only one Generator runs at a time)

S	2.001	ONAN Generator, Serial 34916448, Model LTA-10G1, 380 HP
S	2.002	ONAN Generator, Serial 34916652, Model LTA-10G1, 380 HP

C. System 03 – Diesel Generator, limited to a total of 1,000 hours/year

S	2.003	ONAN Generator, Serial 37183416, Model KTA19-G4, 755 HP
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D. System 04 – Air Compressors, limited to a combined total of 1,000 hours/year (All 3 Air Compressors can run simultaneously)

S	2.004	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77208)
S	2.005	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77708)
S	2.006	Air Compressor – Sullair Corp. (CM-500704)

E. System 05 – Diesel Generators, limited to a combined total of 500 hours/year (All 7 Generators can run simultaneously)

S	2.007	Diesel Generator – Dayton (GE-700301)
S	2.008	Diesel Generator – Denyo (GE-765049)
S	2.009	Diesel Generator – Magnamax (GE-307269)
S	2.010	Diesel Generator – Deutz (GE-306646)
S	2.011	Diesel Generator – Olympian (GE-307213)
S	2.012	Diesel Generator – Deutz (GE-261980)
S	2.013	Diesel Generator – Kohler Company (GE-A78488)

F. System 06 – Light Plants (diesel), limited to a combined total of 100 hours/year (All 3 Light Plants can run simultaneously)

S	2.014	Light Plant – Mobile Light Tower (GE-A76980)
S	2.015	Light Plant – Mobile Light Tower (GE-A76982)
S	2.016	Light Plant – Mobile Light Tower (GE-A76984)

Insignificant Activities: IA1.001 – IA1.008: See Class II Non-Permit Equipment List appended to this permit.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0023

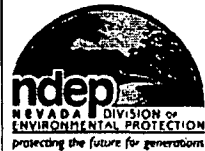
Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

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. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

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 NAC 445B.22017 to 445B.22023, 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 NAC 445B.22017 to 445B.22023 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)

NAC 445B.22017 to 445B.22023, inclusive, 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. Emission from a thernit batch process when charging which does not exceed 60 minutes and for no more than one charging in any 24 consecutive hours;
5. Emissions of stationary diesel-powered engines during warmup for not longer than 15 minutes to achieve operating temperatures; or
6. Emission from a steam generating unit fired by fossil fuel or wood for boiler lancing or soot blowing, not to exceed 180 minutes in any 24 consecutive hours.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

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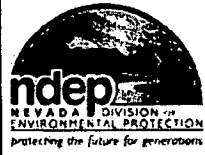
Section I. General Conditions (continued)

- 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. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

Section II. General Construction Conditions

A. **Notification** (NAC 445B.250, NAC 445B.346.2)

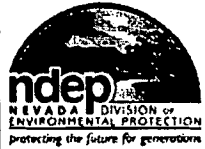
The Bureau of Air Pollution Control will be notified in writing of the following:

1. The date that construction, or reconstruction as defined under NAC 445B.247, of S2.004 through S2.016 are commenced, postmarked no later than 30 days after such date.
2. The anticipated date of initial startup of S2.004 through S2.016, postmarked not more than 60 days nor less than 30 days before such date.
3. The actual date of initial startup of S2.004 through S2.016, postmarked not more than 15 days after such date.

B. **Notification** (NAC 445B.250.4, NAC 445B.346.2)

The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

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



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0023

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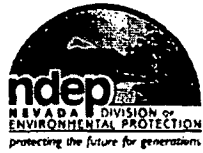
Section IIA. Specific Construction Requirements

A. Emission Unit(s) # S2.004 through S2.016, location varies within Yucca Mountain Site Operations

System 04 – Air Compressors, limited to a combined total of 1,000 hours/year		
S	2.004	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77208)
S	2.005	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77708)
S	2.006	Air Compressor – Sullair Corp. (CM-500704)
System 05 – Diesel Generators, limited to a combined total of 500 hours/year		
S	2.007	Diesel Generator – Dayton (GE-700301)
S	2.008	Diesel Generator – Denyo (GE-765049)
S	2.009	Diesel Generator – Magnamax (GE-307269)
S	2.010	Diesel Generator – Deutz (GE-306646)
S	2.011	Diesel Generator – Olympian (GE-307213)
S	2.012	Diesel Generator – Deutz (GE-261980)
S	2.013	Diesel Generator – Kohler Company (GE-A78488)
System 06 – Light Plants, limited to a combined total of 100 hours/year		
S	2.014	Light Plant – Mobile Light Tower (GE-A76980)
S	2.015	Light Plant – Mobile Light Tower (GE-A76982)
S	2.016	Light Plant – Mobile Light Tower (GE-A76984)

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
 - a. S2.004 through S2.016 have no add-on controls.
2. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)
 - a. For the purposes of demonstrating initial compliance with the opacity standard established in Section V for S2.004 through S2.016, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.004 through S2.016 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).
 - b. Permittee shall provide notification of the anticipated date for conducting the opacity observations required in 2.a of this section. The notification shall be postmarked not less than 30 days prior to such date.
 - c. Within 60 days after completing the opacity observations contained in 2.a of this section, Permittee shall furnish the director a written report of the results of the opacity observations required in 2.a of this section. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3689, inclusive.

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



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

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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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

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

Section V. Specific Operating Conditions

A. Emission Units #PF1.001 through PF1.006 location portable within Yucca Mountain Site Operations

System 01 – Kolberg Screening Plant		
PF	1.001	Front End Loader transfer to Hopper
PF	1.002	Hopper transfer to Conveyor
PF	1.003	Conveyor transfer to Screen, Kolberg Series 26
PF	1.004	Screen, Kolberg Series 26 diesel-hydraulic, serial # 551609
PF	1.005	Screen Kolberg Series 26, undersize transfer to Conveyor # 79354, oversize transfer to Stockpile
PF	1.006	Conveyor, serial # 79354, transfer to Stockpile

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
 - a. Emissions from PF1.001 through PF1.006 shall be controlled by water sprays located at PF1.002, PF1.005, and PF1.006.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)
 - a. On and after the date of startup of PF1.001 through PF1.006, Permittee will not discharge or cause the discharge into the atmosphere from PF1.001 through PF1.006 the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 4.30 pounds per hour, combined, nor more than 4.30 tons per year, combined.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 2.05 pounds per hour, combined, nor more than 2.05 tons per year, combined.
 - (3) The opacity from PF1.001 through PF1.006 each will not equal or exceed 20 percent in accordance with NAC 445B.22017.
 - b. New Source Performance Standards (NSPS) - Subpart OOO-Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)

On and after the sixtieth day after achieving the maximum production rate at which PF1.002 through PF1.005 will be operated, but not later than 180 days after initial startup, Permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:

 - (1) Fugitive emissions from PF1.002 through PF1.005 each will not exceed 10 percent opacity (40 CFR Part 60.672(b)).
 - (2) The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate PF1.002 through PF1.005 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)
 - a. The maximum allowable throughput for PF1.001 through PF1.006 each will not exceed 350.0 tons of alluvium per any one-hour period.
 - b. Hours
 - (1) PF1.001 through PF1.006 each will not operate in excess of 16 hours per day.
 - (2) PF1.001 through PF1.006 each may operate a total of 2,000 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 alluvium for PF1.001 through PF1.006 on a daily basis.
 - (2) Monitor the hours of operation for PF1.001 through PF1.006 on a daily basis.
 - (3) The required monitoring established in 4.a.(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 alluvium 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 4.a.(3)(b) and (c) above.
 - (e) The total annual hours of operation for the calendar year.
 - b. New Source Performance Standards (NSPS) - Notification and Record Keeping (40 CFR Part 60.7(b))

Permittee, upon the issuance date of this permit, shall:

 - (1) Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.



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Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

Section V. Specific Operating Conditions (continued)

B. Emission Units #S2.001 and S2.002 location North 4,078,458 m, East 550,990 m, UTM (Zone 11)

System 02 – Diesel Generators, limited to a combined total of 500 hours/year (Only one Generator runs at a time)	
S 2.001	ONAN Generator, Serial 34916448, Model LTA-10G1, 380 HP
S 2.002	ONAN Generator, Serial 34916652, Model LTA-10G1, 380 HP

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
 - a. S2.001 and S2.002 have no add-on controls.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)
 - a. On and after the date of startup of S2.001 and S2.002, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.001 and S2.002, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.836 pound per hour each.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.836 pound per hour each.
 - (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 11.78 pounds per hour each.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.779 pound per hour each.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 2.538 pounds per hour each.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.939 pound per hour each.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.015 pound per hour each.
 - (8) The opacity from S2.001 and S2.002 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 fuel combustion rate for S2.001 and S2.002 each, will not exceed 17.1 gallons per any one-hour period, combusting #2 diesel as fuel only.
 - b. The sulfur content of the #2 diesel combusted in S2.001 and S2.002 each, will not exceed 0.05% by weight.
 - c. Hours
 - (1) S2.001 and S2.002 each, may operate 24 hours per day.
 - (2) See Section VI.A. – Emission Caps for Unit #(s) S2.001 and S2.002.

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 fuel combustion rate for S2.001 and S2.002 each on a daily basis.
 - (2) Monitor the hours of operation for S2.001 and S2.002 each on a daily basis.
 - (3) Monitor the sulfur content of the #2 diesel combusted in S2.001 and S2.002 each.
 - (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 fuel combustion rate in gallons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly fuel combustion rate in gallons per hour. The average hourly fuel combustion rate will be determined from the total daily fuel combustion rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly #2 diesel combustion rate in gallons per calendar month, and the corresponding annual #2 diesel combustion rate in gallons per 12-month rolling period. The monthly #2 diesel combustion rate will be determined at the end of each calendar month as the sum of each total daily #2 diesel combustion rate as determined in (b) above for each day of the calendar month. The annual #2 diesel combustion rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
 - (f) 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.
 - (g) Fuel supplier certification consisting of the name of the oil supplier, and a statement from the oil supplier that the oil complies with the sulfur limit as specified in 3.b of this section for each #2 diesel delivery.



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Section V. Specific Operating Conditions (continued)

C. Emission Units #S2.003 location North 4,075,791 m, East 550,219 m, UTM (Zone 11)

System 03 – Diesel Generator, limited to a total of 1,000 hours/year

S 2.003 ONAN Generator, Serial 37183416, Model KTA19-G4, 755 HP

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)

a. S2.003 has no add-on controls.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

a. On and after the date of startup of S2.003, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.003, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.529 pound per hour, nor exceed 0.264 ton per year.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.529 pound per hour, nor exceed 0.264 ton per year.
- (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 18.12 pounds per hour, nor exceed 9.06 tons per year.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.305 pound per hour, nor exceed 0.153 ton per year.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 4.153 pounds per hour, nor exceed 2.076 tons per year.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.532 pound per hour, nor exceed 0.266 ton per year.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.032 pound per hour, nor exceed 0.016 ton per year.
- (8) The opacity from S2.003 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 fuel combustion rate for S2.003 will not exceed 35.2 gallons per any one-hour period, combusting #2 diesel as fuel only.
- b. The sulfur content of the #2 diesel combusted in S2.003 will not exceed 0.05% by weight.
- c. Hours
 - (1) S2.003 may operate 24 hours per day.
 - (2) S2.003 will not operate more than 1,000 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 fuel combustion rate for S2.003 on a daily basis.
- (2) Monitor the hours of operation for S2.003 on a daily basis.
- (3) Monitor the sulfur content of the #2 diesel combusted in S2.003.
- (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 fuel combustion rate in gallons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly fuel combustion rate in gallons per hour. The average hourly fuel combustion rate will be determined from the total daily fuel combustion rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly #2 diesel combustion rate in gallons per calendar month, and the corresponding annual #2 diesel combustion rate in gallons per 12-month rolling period. The monthly #2 diesel combustion rate will be determined at the end of each calendar month as the sum of each total daily #2 diesel combustion rate as determined in (b) above for each day of the calendar month. The annual #2 diesel combustion rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
 - (f) 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.
 - (g) Fuel supplier certification consisting of the name of the oil supplier, and a statement from the oil supplier that the oil complies with the sulfur limit as specified in 3.b of this section for each #2 diesel delivery.



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Section V. Specific Operating Conditions (continued)

D. Emission Unit(s) # S2.004 through S2.016, location varies within Yucca Mountain Site Operations

System 04 – Air Compressors, limited to a combined total of 1,000 hours/year (All 3 Air Compressors can run simultaneously)

S	2.004	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77208), 200 HP
S	2.005	Air Compressor – Ingersoll Rand Manufacturing Co. (CM-A77708), 80 HP
S	2.006	Air Compressor – Sullair Corp. (CM-500704), 78 HP

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)

a. S2.004 through S2.006 have no add-on controls.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

a. On and after the date of startup of S2.004, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.004, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.440 pound per hour.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.440 pound per hour.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 6.20 pound per hour.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.41 pound per hour.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 1.336 pound per hour.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.494 pound per hour.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0081 pound per hour.
- (8) The opacity from S2.004 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. On and after the date of startup of S2.005, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.005, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.176 pound per hour.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.176 pound per hour.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 2.48 pound per hour.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.164 pound per hour.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.534 pound per hour.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.198 pound per hour.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0028 pound per hour.
- (8) The opacity from S2.005 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

c. On and after the date of startup of S2.006, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.006, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.172 pound per hour.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.172 pound per hour.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 2.418 pound per hour.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.160 pound per hour.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.521 pound per hour.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.193 pound per hour.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0028 pound per hour.
- (8) The opacity from S2.006 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 fuel combustion rate for S2.004 will not exceed 9.0 gallons per any one-hour period, combusting #2 diesel as fuel only.

b. The maximum allowable fuel combustion rate for S2.005 will not exceed 3.1 gallons per any one-hour period, combusting #2 diesel as fuel only.

c. The maximum allowable fuel combustion rate for S2.006 will not exceed 3.1 gallons per any one-hour period, combusting #2 diesel as fuel only.

d. The sulfur content of the #2 diesel combusted in S2.004 through S2.006 each, will not exceed 0.05% by weight.

e. Hours

(1) S2.004 through S2.006 each, may operate 24 hours per day.

(2) See Section VI.B. – Emission Caps for Unit #(s) S2.004 through S2.006.



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Section V. Specific Operating Conditions (continued)

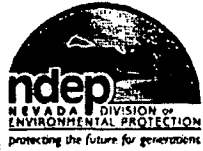
D. Emission Unit(s) # S2.004 through S2.006 (continued)

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 fuel combustion rate for **S2.004 through S2.006** each on a daily basis.
- (2) Monitor the hours of operation for **S2.004 through S2.006** each on a daily basis.
- (3) Monitor the sulfur content of the #2 diesel combusted in **S2.004 through S2.006** each.
- (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 fuel combustion rate in gallons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly fuel combustion rate in gallons per hour. The average hourly fuel combustion rate will be determined from the total daily fuel combustion rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly #2 diesel combustion rate in gallons per calendar month, and the corresponding annual #2 diesel combustion rate in gallons per 12-month rolling period. The monthly #2 diesel combustion rate will be determined at the end of each calendar month as the sum of each total daily #2 diesel combustion rate as determined in (b) above for each day of the calendar month. The annual #2 diesel combustion rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
 - (f) 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.e.(2) of this section.
 - (g) Fuel supplier certification consisting of the name of the oil supplier, and a statement from the oil supplier that the oil complies with the sulfur limit as specified in 3.d. of this section for each #2 diesel delivery.



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Section V. Specific Operating Conditions (continued)

E. Emission Unit(s) # S2.007 through S2.013, location varies within Yucca Mountain Site Operations

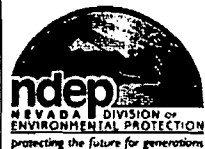
System 05 – Diesel Generators, limited to a combined total of 500 hours/year (All 7 Generators can run simultaneously)		
S	2.007	Diesel Generator – Dayton (GE-700301), 48 HP
S	2.008	Diesel Generator – Denyo (GE-765049), 48 HP
S	2.009	Diesel Generator – Magnamax (GE-307269), 195 HP
S	2.010	Diesel Generator – Deutz (GE-306646), 195 HP
S	2.011	Diesel Generator – Olympian (GE-307213), 134 HP
S	2.012	Diesel Generator – Deutz (GE-261980), 40 HP
S	2.013	Diesel Generator – Kohler Company (GE-A78488), 54 HP

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)
 - a. S2.007 through S2.013 have no add-on controls.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)
 - a. On and after the date of startup of S2.007, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.007, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.106 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.106 pound per hour.
 - (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 1.488 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.098 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.321 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.119 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0027 pound per hour.
 - (8) The opacity from S2.007 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

 - b. On and after the date of startup of S2.008, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.008, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.106 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.106 pound per hour.
 - (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 1.488 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.098 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.321 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.119 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0027 pound per hour.
 - (8) The opacity from S2.008 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

 - c. On and after the date of startup of S2.009, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.009, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.429 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.429 pound per hour.
 - (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 6.045 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.40 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 1.303 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.482 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0081 pound per hour.
 - (8) The opacity from S2.009 will not equal or exceed 20 percent in accordance with NAC 445B.22017.



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Section V. Specific Operating Conditions (continued)

E. Emission Unit(s) # S2.007 through S2.013 (continued)

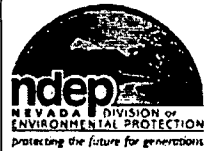
2. Emission Limits (NAC 445B.305; NAC 445B.346.1) (continued)

- d. On and after the date of startup of S2.010, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.010, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.429 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.429 pound per hour.
 - (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 6.045 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.40 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 1.303 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.482 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0081 pound per hour.
 - (8) The opacity from S2.010 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

- e. 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 S2.011, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.295 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.295 pound per hour.
 - (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 4.154 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.275 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.895 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.331 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0054 pound per hour.
 - (8) The opacity from S2.011 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

- f. 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 S2.012, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.088 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.088 pound per hour.
 - (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 1.240 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.082 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.267 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.099 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0027 pound per hour.
 - (8) The opacity from S2.012 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

- g. 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 S2.013, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM (particulate matter) to the atmosphere from will not exceed 0.119 pound per hour.
 - (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.119 pound per hour.
 - (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 1.674 pound per hour.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.111 pound per hour.
 - (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.361 pound per hour.
 - (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.133 pound per hour.
 - (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0027 pound per hour.
 - (8) The opacity from S2.013 will not equal or exceed 20 percent in accordance with NAC 445B.22017.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0023

Permit No. AP9199-0573.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

Section V. Specific Operating Conditions (continued)

E. Emission Unit(s) # S2.007 through S2.013 (continued)

3. Operating Parameters (NAC 445B.308.7; NAC 445B.346.1)

- a. The maximum allowable fuel combustion rate for **S2.007** will not exceed 3.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- b. The maximum allowable fuel combustion rate for **S2.008** will not exceed 3.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- c. The maximum allowable fuel combustion rate for **S2.009** will not exceed 9.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- d. The maximum allowable fuel combustion rate for **S2.010** will not exceed 9.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- e. The maximum allowable fuel combustion rate for **S2.011** will not exceed 6.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- f. The maximum allowable fuel combustion rate for **S2.012** will not exceed 3.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- g. The maximum allowable fuel combustion rate for **S2.013** will not exceed 3.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- h. The sulfur content of the #2 diesel combusted in **S2.007 through S2.013 each**, will not exceed 0.05% by weight.
- i. Hours
 - (1) **S2.007 through S2.013 each**, may operate 24 hours per day.
 - (2) See Section VI.C. – Emission Caps for Unit #(s) **S2.007 through S2.013**.

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 fuel combustion rate for **S2.007 through S2.013 each** on a daily basis.
- (2) Monitor the hours of operation for **S2.007 through S2.013 each** on a daily basis.
- (3) Monitor the sulfur content of the #2 diesel combusted in **S2.007 through S2.013 each**.
- (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 fuel combustion rate in gallons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly fuel combustion rate in gallons per hour. The average hourly fuel combustion rate will be determined from the total daily fuel combustion rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly #2 diesel combustion rate in gallons per calendar month, and the corresponding annual #2 diesel combustion rate in gallons per 12-month rolling period. The monthly #2 diesel combustion rate will be determined at the end of each calendar month as the sum of each total daily #2 diesel combustion rate as determined in (b) above for each day of the calendar month. The annual #2 diesel combustion rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
 - (f) 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.i.(2) of this section.
 - (g) Fuel supplier certification consisting of the name of the oil supplier, and a statement from the oil supplier that the oil complies with the sulfur limit as specified in 3.h. of this section for each #2 diesel delivery.



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Section V. Specific Operating Conditions (continued)

F. Emission Unit(s) # S2.014 through S2.016, location varies within Yucca Mountain Site Operations

System 06 – Light Plants, limited to a combined total of 100 hours/year (All 3 Light Plants can run simultaneously)		
S	2.014	Light Plant – Mobile Light Tower (GE-A76980), 13 HP
S	2.015	Light Plant – Mobile Light Tower (GE-A76982), 13 HP
S	2.016	Light Plant – Mobile Light Tower (GE-A76984), 13 HP

1. Air Pollution Equipment (NAC 445B.308.7; NAC 445B.346.1)

a. S2.014 through S2.016 have no add-on controls.

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

a. On and after the date of startup of S2.014 through S2.016, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.014 through S2.016, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.029 pound per hour each.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.029 pound per hour each.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 0.403 pound per hour each.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.027 pound per hour each.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.087 pound per hour each.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.032 pound per hour each.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0018 pound per hour each.
- (8) The opacity from S2.014 through S2.016 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 fuel combustion rate for S2.014 through S2.016 each, will not exceed 2.0 gallons per any one-hour period, combusting #2 diesel as fuel only.
- b. The sulfur content of the #2 diesel combusted in S2.014 through S2.016 each, will not exceed 0.05% by weight.
- c. Hours
 - (1) S2.014 through S2.016 each, may operate 24 hours per day.
 - (2) See Section VI.D. – Emission Caps for Unit #(s) S2.014 through S2.016.

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 fuel combustion rate for S2.014 through S2.016 each on a daily basis.
- (2) Monitor the hours of operation for S2.014 through S2.016 each on a daily basis.
- (3) Monitor the sulfur content of the #2 diesel combusted in S2.014 through S2.016 each.
- (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 fuel combustion rate in gallons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly fuel combustion rate in gallons per hour. The average hourly fuel combustion rate will be determined from the total daily fuel combustion rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The monthly #2 diesel combustion rate in gallons per calendar month, and the corresponding annual #2 diesel combustion rate in gallons per 12-month rolling period. The monthly #2 diesel combustion rate will be determined at the end of each calendar month as the sum of each total daily #2 diesel combustion rate as determined in (b) above for each day of the calendar month. The annual #2 diesel combustion rate will be determined at the end of each calendar month as the sum of the monthly throughput rates for the 12 immediately preceding calendar months.
 - (f) 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.
 - (g) Fuel supplier certification consisting of the name of the oil supplier, and a statement from the oil supplier that the oil complies with the sulfur limit as specified in 3.b of this section for each #2 diesel delivery.

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



BUREAU OF AIR POLLUTION CONTROL

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Issued to: U.S. DEPARTMENT OF ENERGY, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT, AS PERMITTEE

Section VI. Emission Caps

A. Emission Caps for Unit #(s) S2.001 and S2.002:

1. Emission Limits

a. On and after the date of startup of S2.001 and S2.002, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.001 and S2.002, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.209 ton per year *combined*.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.209 ton per year *combined*.
- (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 2.945 tons per year *combined*.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.195 ton per year *combined*.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.635 ton per year *combined*.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.235 ton per year *combined*.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.004 ton per year *combined*.
- (8) The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

2. Operating Parameters

a. S2.001 and S2.002 shall not operate in excess of 500 hours per calendar year *combined*, based on a 12 month rolling average.

3. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee, upon issuance of this permit, and in conjunction with all monitoring and recordkeeping requirements specified in Section V.B.4. of this Permit will record in the contemporaneous log the total combined hours of operation of S2.001 and S2.002 for the preceding twelve-month period.
- b. Permittee will submit a report to NDEP-BAPC within 30 days of the end of each calendar quarter. The report must include the information required in Section VI.A.3.a. above.

B. Emission Caps for Unit #(s) S2.004 through S2.006:

1. Emission Limits

a. On and after the date of startup of S2.004 through S2.006, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.004 through S2.006, the following pollutants in excess of the following specified limits:

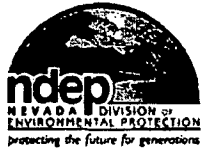
- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.220 ton per year *combined*.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.220 ton per year *combined*.
- (3) The discharge of nitrogen oxide (NO_x) to the atmosphere will not exceed 3.10 tons per year *combined*.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.205 ton per year *combined*.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.668 ton per year *combined*.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.247 ton per year *combined*.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.004 ton per year *combined*.
- (8) The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

2. Operating Parameters

a. S2.004 through S2.006 shall not operate in excess of 1,000 hours per calendar year *combined*, based on a 12 month rolling average.

3. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee, upon issuance of this permit, and in conjunction with all monitoring and recordkeeping requirements specified in Section V.D.4. of this Permit will record in the contemporaneous log the total combined hours of operation of S2.004 through S2.006 for the preceding twelve-month period.
- b. Permittee will submit a report to NDEP-BAPC within 30 days of the end of each calendar quarter. The report must include the information required in Section VI.B.3.a. above.



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Section VI. Emission Caps (continued)

C. Emission Caps for Unit #(s) S2.007 through S2.013:

1. Emission Limits

a. On and after the date of startup of S2.007 through S2.013, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.007 through S2.013, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.107 ton per year *combined*.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.107 ton per year *combined*.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 1.511 tons per year *combined*.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.099 ton per year *combined*.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.326 ton per year *combined*.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.120 ton per year *combined*.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.002 ton per year *combined*.
- (8) The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

2. Operating Parameters

a. S2.007 through S2.013 shall not operate in excess of 500 hours per calendar year *combined*, based on a 12 month rolling average.

3. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee, upon issuance of this permit, and in conjunction with all monitoring and recordkeeping requirements specified in Section V.E.4. of this Permit will record in the contemporaneous log the total combined hours of operation of S2.007 through S2.013 for the preceding twelve-month period.
- b. Permittee will submit a report to NDEP-BAPC within 30 days of the end of each calendar quarter. The report must include the information required in Section VI.C.3.a. above.

D. Emission Caps for Unit #(s) S2.014 through S2.016:

1. Emission Limits

a. On and after the date of startup of S2.014 through S2.016, Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of S2.014 through S2.016, the following pollutants in excess of the following specified limits:

- (1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.0014 ton per year *combined*.
- (2) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.0014 ton per year *combined*.
- (3) The discharge of nitrogen oxide (NOx) to the atmosphere will not exceed 0.020 ton per year *combined*.
- (4) The discharge of sulfur dioxide (SO₂) to the atmosphere will not exceed 0.0013 ton per year *combined*.
- (5) The discharge of carbon monoxide (CO) to the atmosphere will not exceed 0.0043 ton per year *combined*.
- (6) The discharge of volatile organic compounds (VOC) to the atmosphere will not exceed 0.0016 ton per year *combined*.
- (7) The discharge of hazardous air pollutants (HAP) to the atmosphere will not exceed 0.0001 ton per year *combined*.
- (8) The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

2. Operating Parameters

a. S2.014 through S2.016 shall not operate in excess of 100 hours per calendar year *combined*, based on a 12 month rolling average.

3. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee, upon issuance of this permit, and in conjunction with all monitoring and recordkeeping requirements specified in Section V.F.4. of this Permit will record in the contemporaneous log the total combined hours of operation of S2.014 through S2.016 for the preceding twelve-month period.
- b. Permittee will submit a report to NDEP-BAPC within 30 days of the end of each calendar quarter. The report must include the information required in Section VI.D.3.a. above.

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



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Section VII. Surface Area Disturbance Conditions

Total number of acres to be disturbed for the project is 1,000 acres. Affected areas are located in South Central Nye County and are as follows:

- Sections 1-36; T12S; R48E
- Sections 1-36; T12S; R49E
- Sections 1-36; T12S; R50E
- Sections 12, 13, 24, 25, 36; T13S; R47½E
- Sections 7-36; T13S; R48E
- Sections 7-36; T13S; R49E
- Sections 7, 8, 9, 16-21, 28-33; T13S; R50E
- Sections 4-9, 16-21, 28-33; T14S; R50E
- Sections 1-36; T14S; R49E
- Sections 1-28, 34-36; T14S; R48E
- Section 1; T15S; R48E
- Sections 1-6; T15S; R49E
- Sections 4-6; T15S; R50E

Mount Diablo Baseline and Meridian

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

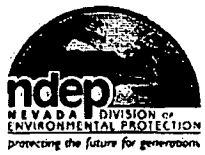
Permittee may not cause or permit the construction, repair, or demolition work, or the use of unpaved or untreated areas without applying all such measures as may be required by the Director to prevent particulate matter from becoming airborne.

1. Permittee will control fugitive dust in accordance with the dust control plan entitled "Surface Area Disturbance Permit, Fugitive Dust Control Plan", as received by NDEP-BAPC on August 3, 2006.

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*****



Nevada Department of Conservation and Natural Resources • Division of Environmental Protection

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Section VIII. Schedules of Compliance

A. No Schedules of Compliance are specified.

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



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Section IX. Amendments

August 8, 2006: This Renewal Permit incorporates Permittee's all requested changes listed on Permit Revision Application received by NDEP-BAPC on March 22, 2006; and Administrative Amendment request [company name change to U.S. DOE, Office of Civilian Radioactive Waste Management; title change for W. John Arthur, III (Responsible Official) to Director, Yucca Mountain Site Operations Office; and appropriate contact to Richard E. Spence, Program Manager, Environment, Safety, Health, and Security] and Permit Renewal Application received on May 11, 2006.

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: July 23, 2006.
(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 operation 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: July 23, 2011.

Signature *Matthew A. DeBurle*
 Issued by: Matthew A. DeBurle, P.E.
 Supervisor, Permitting Branch
 Bureau of Air Pollution Control

Phone: (775) 687-9391 Date: August 8, 2006

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Class II Non-Permit Equipment List

Appended to U.S. DOE, Office of Civilian Radioactive Waste Management Permit #AP9199-0573.02

Emission Unit #(s)	Emission Unit Description(s)
IA1.001	North Portal Diesel Generator (Cummins 525 HP, model # KTA-1150G-1, serial # 31124537, 100 hours/year limit)
IA1.002	Gasoline Fuel Tank (10,000 gallons)
IA1.003	Diesel Fuel Tank (5,000 gallons)
IA1.004	Diesel Fuel Tank (2,000 gallons)
IA1.005	Diesel Fuel Tank (600 gallons)
IA1.006	Diesel Fuel Tank (50 gallons)
IA1.007	Used Oil Tank (750 gallons)
IA1.008	Used Oil Tank (750 gallons)

Class II Deleted Equipment List

Appended to U.S. DOE, Office of Civilian Radioactive Waste Management Permit #AP9199-0573.02

<u>Deleted</u> Emission Unit(s) Refer to March 22, 2006 Minor Revision Application	Emission Unit Description(s)
Exploratory Studies Facility (ESF) Muck Conveyor System	Underground Muck transfer to Belt Conveyor/Chute, Serial # unknown Belt Conveyor/Chute transfer to Radial Stacker, Serial # unknown Radial Stacker transfer to ESF Stockpile
<u>Non-Permitted</u> Insignificant Emission Unit(s)	Air Compressor, 200 HP Air Compressor, 100 HP GEGenerator, 13 HP Denyo Generator, 48 HP Denyo Generator, 54 HP Magmax Generator, 100 HP MQ Power Generator, 180 HP Light Plant, 25 HP