MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

INACTIVE

C011525

Inactive type Permit has no description information.

EXPIRES LAST DAY OF:SEPTEMBER 2014

OWNER OF OPERATOR (Co.#1425)

Clauss Construction
9911 Maine Avenue
Lakeside,CA92040

EQUIPMENT LOCATION (Fac.#2456)

Clauss Construction
District Wide
MDAQMD,CA92392

Description:
NEGATIVE AIR MACHINE consisting of:Novatek Corporation, Novair 2000, Model No. 2000 (F2100), Serial No. H1941, with a three-stage filtration system (a first stage pre-filter, a second stage ring filter, and a third stage HEPA filter). The third stage, HEPA filtration consists of a 24" X 24" HEPA filter which is 99.97% efficient for collection of all particles whose mean diameter is greater than or equal to 0.3 microns. Unit is equipped with a 2.0 bhp motor, powering a fan rated at 2,000 cfm. Unit is equipped with a differential pressure gauge.

CONDITIONS:

1.This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

2.After each abatement use, this equipment must be emptied and cleaned within a negative air enclosure, and filters and waste collected with this equipment must be disposed as friable asbestos waste.
[District Rule 1320 - New Source Review For Toxic Air Contaminants and 40 CFR 61, Subpart M - NESHAP for Asbestos]

3.For each commercial asbestos abatement project, the negative air machine(s) exhaust shall be located a minimum of 3 meters (10) feet from the nearest receptor (any location where the public can be exposed to asbestos fiber emissions) and shall be located at least 10 feet above the ground.
[District Rule 1320 - New Source Review For Toxic Air Contaminants]

4.For each commercial abatement project located more than 3 meters (10 feet) but less than 30 meters (98 feet) from any residential zoning, the negative air machine(s) shall not exhaust more than a combined total of 4.8 million cubic feet of air (calculated pursuant to

Fee Schedule:7 (h) Rating:2device SIC:1795 SCC:99999999 Location/UTM(Km):473E/3956N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

condition 5).
[District Rule 1320 - New Source Review For Toxic Air Contaminants]

5.X cfm x Y hrs x 60 min/hr x cfm/MMcf = Z MMcf

Where:

X cfm = the total rated air flow of all machine(s)
Y hrs = the total number of working hours for the abatement project
Z MMcf* = the total combined million cubic feet of air exhausted by abatement project

*This value cannot exceed 4.8 for commercial abatement projects located more than 3 meters (10 feet) but less than 30 meters (98) from any residential zoning.

6.For each commercial abatement project located greater than or equal to 30 meters (98 feet) from any residential zoning please see the requirements found at http://www.mdaqmd.ca.gov/index.aspx?page=344
[District Rule 1320 - New Source Review For Toxic Air Contaminants]

7.For each abatement project, the exhaust of each negative air machine shall be analyzed by the phase contrast microscopy (PCM) method during the first day of actual asbestos removal and after each HEPA filter replacement. If this negative air machine is added or replaced during a specific project, the exhaust of this addition or replacement shall be analyzed by the PCM method during the first day of its use during actual asbestos removal. During each long term abatement project (greater than 15 calendar days), the exhaust of each negative air machine shall be analyzed at least every 15 calendar days.
[District Rule 1320 - New Source Review For Toxic Air Contaminants]

8.he exhaust concentration of asbestos from this negative air machine shall not exceed 0.01 fiber per cubic centimeter, as determined by condition 7.

9.The negative air machine shall be tested and checked for leakage and rupture after each HEPA filter change and prior to commencement of any abatement project.

Per the manufacturer's specifications, if the differential pressure rises above 3.2 inches of water column, the HEPA filter and/or first and second stage filters shall be changed immediately.

10.A pressure gauge shall be installed and maintained on the negative air machine to indicate, in inches of water column, the pressure differential across the HEPA filter. The pressure differential across the filter shall be recorded at the beginning of each day of use and immediately after any filter change. The pressure differential shall be checked periodically and the pressure differential shall not be less than the initial reading (reading at the beginning of each day of use or reading after any filter change). In the event that the pressure differential is less than the initial reading, the negative air machine shall be turned-off and shall be checked for leakage and rupture of the HEPA filter.

The unit is designed to maintain a differential pressure of 1.0 to 2.5 inches of water column through clean filters. Per the manufacturer's specifications, if the differential pressure rises above 3.2 inches of water column, the HEPA filter shall be changed immediately.

11.A mechanical gauge shall be installed so as to indicate, in inches of water column, the pressure differential between the containment and the outside. The mechanical gauge shall be located in a manner that will allow an observer to easily monitor the differential pressure from outside the containment.

12.The minimum pressure differential between the containment and the outside shall be 0.02 inch of water gauge to prevent asbestos fibers from escaping the containment barriers and to ensure that the negative air machine airflow is adequate.

13.The operator shall keep adequate records for this negative air machine to verify:
a. The number of working hours per day involving asbestos removal for this machine; and,
b. The calculations verifying compliance with conditions 4 and 7.

c. The exhaust concentration, including the time and date of each sampling; and,
d. The pressure gauge reading at the beginning of each day of use and after each change of HEPA filter, including the time and date of the reading; and,
e. The date, time, and type of each filter replacement, and
f. The date and time of each machine addition/replacement.
Records shall be maintained for a period of two (2) years and made available to District personnel upon request.

14.The Executive Officer or his representative shall be notified and a written approval shall be obtained prior to commencement of any abatement project when:
a. The volume of which will exceed the total machine(s) exhaust volume specified in conditions 4 and 7; or
b. Located within 1,000 feet from the outer boundary of a school.
[District Rule 1520 - Control of Toxic Air Contaminants From Existing Source]

15.This unit may, at the discretion of the owner/operator, be used on any commercial asbestos abatement project for a demolition or renovation pursuant to 40 CFR 61, Subpart M - National Emission Standard for Asbestos if the project is properly notified to the District. Proper notification must be consistent with 40 CFR 61, Subpart M, a minimum of ten (10) working days prior to actual placement of the unit.

16.This equipment and/or operations pertaining to the use of this equipment may be subject to the requirements of the National Emission Standard for Hazardous Air Pollutants, Subpart M - NESHAP for Asbestos (40 CFR 61). In the event of conflict between these conditions and the NESHAP, the more stringent requirements shall govern.