

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Superior Environmental Remediation⁹⁰, Inc.
Attn: Gary Richards
1516 North Main Street
Mishawaka, Indiana 46545

Application No.: 03030028

I.D. No.: 097190AGG

Applicant's Designation:

Date Received: March 13, 2003

Subject: Soil Vapor Extraction Systems

Date Issued: June 16, 2004

Expiration Date: June 16, 2009

Location: 2700 Washington Street, Waukegan

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of

2 Soil Vapor Extraction Units Each with Carbon Adsorption
2 Holding Tanks (500-Gallon and 2,000-Gallon)

as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons/yr for VOM, 10 tons/yr for a single HAP and 25 tons/yr for combined HAPs). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
2. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
3. Emissions and operation of the 2 Soil Vapor Extraction Units shall not exceed the following limits:

<u>Equipment</u>	<u>Pollutant</u>	<u>Emissions</u>	
		<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>
SVE -1 with Carbon Adsorption	VOM	1.94	8.49
	HAPs	0.49	2.12
SVE -2 with Carbon Adsorption	VOM	0.2	0.85
	HAPs	0.05	0.21

These limits are based on maximum VOM soil vapor concentration of 2,000 ppmv for SVE-1, maximum VOM soil vapor concentration of 200 ppmv for SVE-2, maximum flow rate of 300 cfm for each SVE, 80% overall control efficiency, and 8,760 hours of operation as provided in the permit application. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. This permit is issued based on negligible emissions of volatile organic material from 2 holding tanks. For this purpose emissions from each emission source, shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.
5. Pursuant to 35 Ill. Adm. Code Section 218.301 no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere from any emission unit, except as provided in Sections 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of Subpart G shall apply only to photochemically reactive material.
6. In the event that the operation of this source results in an odor nuisance the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
7. The Permittee shall maintain the following records:
 - a. Soil VOM gas concentration of each system (ppmv);
 - b. Hours of operation of each system (hours/mo and hours/yr); and
 - c. Total VOM and HAP emissions (lb/hr and ton/yr).
8. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry, unless otherwise specified, and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
9. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

10. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

If you have any questions on this permit, please call Eric Jones at 217/782-2113.

Donald E. Sutton, P. E.
Manager, Permit Section
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A-Emissions Summary

This attachment provides a summary of the maximum emission from the soil remediation systems, operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario, which results in maximum emissions from such a plant. This is done through the usage of control equipment and concentration levels. The resulting maximum emissions are well below the levels, 25 tons per year of VOM, 10 tons per year of a single HAP and 25 tons per year of combined HAPs at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that material is handled, coatings used and control measures are more effective than in this permit.

<u>Equipment/Process</u>	E M I S S I O N S (Tons/Yr)					
	<u>PM</u>	<u>NO_x</u>	<u>CO</u>	<u>SO₂</u>	<u>VOM</u>	<u>HAP</u>
2 SVE Systems with Carbon Adsorption	---	---	---	---	9.34	2.34
2 Holding Tanks (Total)	---	---	---	---	<u>0.88</u>	<u>0.22</u>
Total:	---	---	---	---	10.22	2.56

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