



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: August 29, 2011

RE: Superior Environmental Remediation90 / 099 - 30650 - 00110

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot12/3/07



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August 29, 2011

R. Scott Liggett
Superior Environmental Remediation⁹⁰, Inc.
2101 Lincolnway East,
Mishawaka, IN 46544

Re: Exempt Construction and Operation Status,
099-30650-00110

Dear R. Scott Liggett:

The application from Superior Environmental Remediation⁹⁰, Inc., received on June 20, 2011, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-1.1-3, it has been determined that the following stationary groundwater remediation operation with soil vapor extraction to remediate groundwater and soil contamination by petroleum hydrocarbons located at 724 S. Michigan, LaPaz, IN 46537 is classified as exempt from air pollution permit requirements:

- (a) One (1) soil vapor extraction process, identified as SVE-1, approved for construction in 2011, with a maximum operating schedule of 8760 hours per year, using gas phase and water phase granular activated carbon adsorption as control, identified as VPC-1, exhausting to stack SVE-1, and consisting of:
 - (1) One (1) moisture separator, identified as MS-1;
 - (2) One (1) moisture transfer pump, identified as MTP-1;
 - (3) One (1) blower motor, identified as B-1a;
 - (4) One (1) rotary lobe blower, identified as B-1b;
 - (5) One (1) heat exchanger, identified as HE-1; and
 - (6) One (1) vapor phase carbon tank, identified as VPC-1.

- (b) One (1) soil vapor extraction process, identified as SVE-2, approved for construction in 2011, with a maximum operating schedule of 8760 hours per year, using gas phase and water phase granular activated carbon adsorption as control, identified as VPC-2, exhausting to stack SVE-2, and consisting of:
 - (1) One (1) moisture separator, identified as MS-2;
 - (2) One (1) moisture transfer pump, identified as MTP-2;
 - (3) One (1) blower motor, identified as B-2a;
 - (4) One (1) rotary lobe blower, identified as B-2b;
 - (5) One (1) heat exchanger, identified as HE-2; and
 - (6) One (1) vapor phase carbon tank, identified as VPC-2.

- (c) One (1) ground water remediation process, identified as GRP, approved for construction in 2011, using air stripping as the remediation method, with a maximum operating schedule of 8760 hours per year, using gas phase and water phase granular activated carbon adsorption as control, and exhausting to stack OF-001, consisting of:
- (1) One (1) double tray air stripper, identified as ASa;
 - (2) One (1) air stripper blower, identified as ASb;
 - (3) One (1) water transfer pump, identified as WTP-1;
 - (4) One (1) petroleum contaminated groundwater lag tank, identified as LT, with a maximum storage capacity of 2000 gallons and maximum annual throughput capacity of 26.28 MMgal;
 - (5) One (1) water transfer pump, identified as WTP-2;
 - (6) One (1) liquid phase carbon treatment tank, identified as LPC, with a maximum storage capacity of 564 gallons and maximum annual throughput capacity of 26.28 MMgal; and
 - (7) One (1) waste water discharge outfall, identified as OF-001.
- (d) The following VOC and HAP storage containers:
- (1) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs less than twelve thousand (12,000) gallons.
- (e) Water-based activities, including the following:
- (1) Any operation using aqueous solutions containing less than one percent (1%) by weight of VOCs excluding HAPs.
- (f) Paved and unpaved roads and parking lots with public access.
- (g) Fugitive VOC through equipment leaks.

The following conditions shall be applicable:

1. 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
2. 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

This exemption is the first air approval issued to this source. A copy of the Exemption is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source. If you have any questions on this matter, please contact Charles Sullivan, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, at 317-232-8422 or at 1-800-451-6027 (ext 2-8422).

Sincerely,



Alfred C. Dumauai, Ph. D., Section Chief
Permits Branch
Office of Air Quality

ACD/cbs

cc: File - Marshall County
Marshall County Health Department
Compliance and Enforcement Branch
Billing, Licensing and Training Section

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for an Exemption

Source Description and Location
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Source Name:	Superior Environmental Remediation⁹⁰, Inc.
Source Location:	724 S. Michigan, LaPaz, IN 46537
County:	Marshall
SIC Code:	8999 and 4959
Exemption No.:	099-30650-00110
Permit Reviewer:	Charles Sullivan

On June 20, 2011 the Office of Air Quality (OAQ) received an application from Superior Environmental Remediation⁹⁰, Inc. related to the construction and operation of a new stationary groundwater remediation operation with soil vapor extraction to remediate groundwater and soil contamination by petroleum hydrocarbons.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Marshall County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Marshall County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM_{2.5}**
 Marshall County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011.. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

- (c) Other Criteria Pollutants
Marshall County has been classified as attainment or unclassifiable in Indiana for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-1.1-3 (Exemptions) applicability.

Background and Description of Emission Units and Pollution Control Equipment

The Office of Air Quality (OAQ) has reviewed an application, submitted by Superior Environmental Remediation⁹⁰, Inc. on June 20, 2011, relating to the construction and operation of a new groundwater remediation operation with soil vapor extraction to remediate groundwater and soil contamination by petroleum hydrocarbons.

The following is a list of the new emission units and pollution control devices:

- (a) One (1) soil vapor extraction process, identified as SVE-1, approved for construction in 2011, with a maximum operating schedule of 8760 hours per year, using gas phase and water phase granular activated carbon adsorption as control, identified as VPC-1, exhausting to stack SVE-1, and consisting of:
- (1) One (1) moisture separator, identified as MS-1;
 - (2) One (1) moisture transfer pump, identified as MTP-1;
 - (3) One (1) blower motor, identified as B-1a;
 - (4) One (1) rotary lobe blower, identified as B-1b;
 - (5) One (1) heat exchanger, identified as HE-1; and
 - (6) One (1) vapor phase carbon tank, identified as VPC-1.
- (b) One (1) soil vapor extraction process, identified as SVE-2, approved for construction in 2011, with a maximum operating schedule of 8760 hours per year, using gas phase and water phase granular activated carbon adsorption as control, identified as VPC-2, exhausting to stack SVE-2, and consisting of:
- (1) One (1) moisture separator, identified as MS-2;
 - (2) One (1) moisture transfer pump, identified as MTP-2;
 - (3) One (1) blower motor, identified as B-2a;
 - (4) One (1) rotary lobe blower, identified as B-2b;
 - (5) One (1) heat exchanger, identified as HE-2; and
 - (6) One (1) vapor phase carbon tank, identified as VPC-2.
- (c) One (1) ground water, remediation process, identified as GRP, approved for construction in 2011, using air stripping as the remediation method, with a maximum operating schedule of 8760 hours

per year, using gas phase and water phase granular activated carbon adsorption as control, and exhausting to stack OF-001, consisting of:

- (1) One (1) double tray air stripper, identified as ASa;
 - (2) One (1) air stripper blower, identified as ASb;
 - (3) One (1) water transfer pump, identified as WTP-1;
 - (4) One (1) petroleum contaminated groundwater lag tank, identified as LT, with a maximum storage capacity of 2000 gallons and maximum annual throughput capacity of 26.28 MMgal;
 - (5) One (1) water transfer pump, identified as WTP-2;
 - (6) One (1) liquid phase carbon treatment tank, identified as LPC, with a maximum storage capacity of 564 gallons and maximum annual throughput capacity of 26.28 MMgal; and
 - (7) One (1) waste water discharge outfall, identified as OF-001.
- (d) The following VOC and HAP storage containers:
- (1) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs less than twelve thousand (12,000) gallons.
- (e) Water-based activities, including the following:
- (1) Any operation using aqueous solutions containing less than one percent (1%) by weight of VOCs excluding HAPs.
- (f) Paved and unpaved roads and parking lots with public access.
- (g) Fugitive VOC through equipment leaks.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – Exemption

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	Potential To Emit of the Entire Source (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Emission Units									
Soil and Groundwater Remediation (SVE-1, SVE-2, GRP)	-	-	-	-	-	4.63	-	1.20	0.42 Xylene
Fugitive Emissions									
Unpaved Roads	negl.	negl.	negl.	-	-	-	-	-	-
Equipment Leaks	-	-	-	-	-	negl.	-	negl.	negl.
Process Tanks	-	-	-	-	-	1.76	-	negl.	negl.
Tank Leaks	-	-	-	-	-	negl.	-	negl.	negl.
Total PTE of Entire Source	negl.	negl.	negl.	-	-	6.39	-	1.20	0.42 Xylene
Exemptions Levels	5	5	5	10	10	10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of all regulated criteria pollutants are less than the levels listed in 326 IAC 2-1.1-3(e)(1). Therefore, the source is subject to the provisions of 326 IAC 2-1.1-3 (Exemptions).
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Site Remediation, 40 CFR 63.7880, Subpart GGGGG (326 IAC 20-87), are not included in the permit, since the site remediation facility does not meet the conditions specified in 40 CFR 63.7881(a)(1) through (a)(3).
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-1.1-3 (Exemptions)
Exemption applicability is discussed under the Permit Level Determination – Exemption section above.
- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (c) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (d) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (e) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (f) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.
- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The requirements of 326 IAC 8-1-6, are not being included in this Exemption, since the unlimited VOC potential emissions from each of the emission units is less than twenty-five (25) tons per year.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on June 20, 2011.

The construction and operation of this source shall be subject to the conditions of the attached proposed Exemption No. 099-30650-00110. The staff recommends to the Commissioner that this Exemption be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Charles Sullivan at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 232-8442 or toll free at 1-800-451-6027 extension 2-8422.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

**Appendix A: Emission Calculations
Emissions Summary**

Company Name: Superior Environmental Remediation⁹⁰, Inc.
Site Address: 724 S. Michigan, LaPaz, IN 46537
Exemption No.: 099-30650-00110
Reviewer: Charles Sullivan
Date: 10-Aug-2011

	PM	PM10	PM2.5	VOC's	HAPs	Worst Case Single HAP
Soil and Groundwater Remediation (SVE-1, SVE-2, GRP)	-	-	-	4.63	1.21	0.42
Fugitive Emissions - Unpaved Roads (F-1)	negl.	negl.	negl.	-	-	-
Fugitive Emissions - Equipment Leaks (F-2)	-	-	-	negl.	negl.	negl.
Fugitive Emissions - Tank Leaks (F-3)	-	-	-	1.76	negl.	negl.
Potential to Emit:	0.00	0.00	0.00	6.39	1.21	0.42 Xylene

Note:
negl. = negligible

Appendix A: Emission Calculations
Volatile Organic Compounds (VOCs) Emissions Calculations
Groundwater Treatment and Enhanced Soil Vapor Extraction system

Company Name: Superior Environmental Remediation⁹⁰, Inc.
 Site Address: 724 S. Michigan, LaPaz, IN 46537
 Exemption No.: 099-30650-00110
 Reviewer: Charles Sullivan
 Date: 10-Aug-2011

Weight Of Total Petroleum Hydrocarbons To Be Remediated By System (lbs)

Soil TPH-gro	Figure 4	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	TOTAL
Concentration Range in Concentric Gradient (mg/Kg)	> 2600	2400-2600	2200-2400	2000-2200	1800-2000	1600-1800	1400-1600	1200-1400	1000-1200	800-1000	600-800	400-600	200-400	120-200		
Maximum Concentration in Gradient	2800	2600.00	2400.00	2200.00	2000.00	1800.00	1600.00	1400.00	1200.00	1000.00	800.00	600.00	400.00	200.00		
Contaminated Area within delineated concentration (ft ²)	4.36	50.27	91.01	147.74	223.79	325.73	460.05	637.05	876.00	1197.52	1687.91	22562.06	28931.02	33387.21		
Preceding concentric area (ft ²)		-4.36	-50.27	-91.01	-147.74	-223.79	-325.73	-460.05	-637.05	-876.00	-1197.52	-3473.60	-22562.06	-28931.02		
Area from Secondary Plume Component (ft ²)		67.51	246.05	561.10	1053.33	1727.70	2715.76	3949.07	5415.51	8277.29	11084.13	-1687.91				
Preceding concentric area (ft ²)			-67.51	-246.05		-561.10	-1053.33	-1727.70	-2715.46	-3949.07	-5415.51	-8277.29				
Area from Tertiary Plume Component (ft ²)					57.20	203.03	661.70	986.39	1445.93	2519.46	3473.60					
Preceding concentric area (ft ²)						-57.20	-61.27	-661.70	-986.39	-1445.93	-2519.46					
Area from Fourth Plume Component (ft ²)						61.27	-203.03	97.05	206.80	41.53	591.71					
Preceding concentric area (ft ²)							37.15	-37.15	-97.05	-206.80	-41.33					
Total Plume Area (ft²)	4.36	113.42	219.28	371.78	625.48	983.41	1519.78	1735.30	2164.93	4256.83	4251.37	16808.84	6368.96	4456.19		
Depth of Contamination (ft) ^a	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
Volume of Impacted Soil (ft ³)	23.98	623.81	1206.04	2044.79	3440.14	5408.755	8358.79	9544.15	11907.115	23412.565	23382.535	92448.62	35029.28	24509.05		
Soil Density (lb/ft ³) ^b	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56
Weight of TPH-gro in Soil (lb)^d	6.282	151.746	270.809	420.883	643.719	910.878	1251.277	1250.131	1336.836	2190.480	1750.136	5189.696	1310.936	458.613	17142.42	

Soil Benzene	Figure 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	TOTAL
Concentration Range in Concentric Gradient (mg/Kg)	> 28	26-28	24-26	22-24	20-22	18-20	16-18	14-16	12-14	10-12	8-10	6-8	4-6	2-4	0.35-2		
Maximum Concentration in Gradient	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2		
Contaminated Area within delineated concentration (ft ²)	17.88	46.74	92.04	141.78	224.65	319.19	476.72	886.27	1167.12	1761.77	2511.27	3410.66	4688.11	9307.58	26336.72		
Preceding concentric area (ft ²)		-17.88	-46.74	-92.04	-141.78	-224.65	-319.19	-476.72	-886.27	-1167.12	-1761.77	-2511.27	-3410.66	-4688.11	-9307.58		
Area from Secondary Plume Component (ft ²)																	
Total Plume Area (ft²)	17.88	28.86	45.30	49.74	82.87	94.54	157.53	409.55	280.85	594.65	749.50	899.39	1277.45	5890.22	15758.39		
Depth of Contamination (ft) ^a	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	
Volume of Impacted Soil (ft ³)	98.34	158.73	249.15	273.57	455.785	519.97	866.415	2252.525	1544.675	3270.575	4122.25	4946.645	7025.975	32396.21	86671.15		
Soil Density (lb/ft ³) ^b	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	
Weight of Benzene in Soil (lb)^d	0.276	0.416	0.606	0.614	0.938	0.973	1.459	3.372	2.023	3.672	3.857	3.702	3.944	12.124	16.218	54.19	

Soil MTBE	Figure 6	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	TOTAL
Concentration Range in Concentric Gradient (mg/Kg)	> 18	16-18	14-16	12-14	10-12	8-10	6-8	4-6	3-2-4		
Maximum Concentration in Gradient	20	18	16	14	12	10	8	6	4		
Contaminated Area within delineated concentration (ft ²)	20.27	46.46	122.63	240.67	370.95	976.04	2512.59	4303.75	6772.16		
Preceding concentric area (ft ²)		-20.27	-46.46	-122.63	-240.67	-370.95	-976.04	-2512.59	-4303.75		
Total Plume Area (ft²)	20.27	26.19	76.17	118.04	130.28	605.09	1536.55	1791.16	2468.41		
Depth of Contamination (ft) ^a	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50		
Volume of Impacted Soil (ft ³)	111.485	144.045	418.935	649.22	716.54	3327.995	8451.025	9851.38	13576.255		
Soil Density (lb/ft ³) ^b	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56		
Weight of MTBE in Soil (lb)^d	0.209	0.243	0.627	0.850	0.804	3.114	6.325	5.530	5.081	22.78	

Soil Xylene	Figure 7	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	TOTAL
Concentration Range in Concentric Gradient (mg/Kg)	>260	240-260	220-240	200-220	180-200	170-180		
Maximum Concentration in Gradient	280	260	240	220	200	180		
Contaminated Area within delineated concentration (ft ²)	18.10	35.35	57.33	106.02	144.54	228.70		
Preceding concentric area (ft ²)		-18.10	-35.35	-57.33	-106.02	-144.54		
Total Plume Area (ft²)	18.10	17.25	21.98	48.69	38.52	84.16		
Depth of Contamination (ft) ^a	5.50	5.50	5.50	5.50	5.50	5.50		
Volume of Impacted Soil (ft ³)	99.55	94.875	120.89	267.795	211.86	462.88		
Soil Density (lb/ft ³) ^b	93.56	93.56	93.56	93.56	93.56	93.56		
Weight of Xylene in Soil (lb)^d	2.608	2.308	2.715	5.512	3.964	7.795	24.90	

**Appendix A: Emission Calculations
Volatile Organic Compounds (VOCs) Emissions Calculations
Groundwater Treatment and Enhanced Soil Vapor Extraction system**

Company Name: Superior Environmental Remediation⁹⁰, Inc.
Site Address: 724 S. Michigan, LaPaz, IN 46537
Exemption No.: 099-30650-00110
Reviewer: Charles Sullivan
Date: 10-Aug-2011

Benzene in Groundwater	Figure 8											TOTAL
Concentration Range in Concentric Gradient (mg/L)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	
Maximum Concentration in Gradient	22	20	18	16	14	12	10	8	6	4	2	
Contaminated Area within delineated concentration (ft ²)	1891.21	4706.93	7386.65	10443.42	14026.67	18312.07	23480.23	30127.43	38835.14	51789.95	79810.64	
Preceding concentric area (ft ²)		-1891.21	-4706.93	-7386.65	-10443.42	-14026.67	-18312.07	-23480.23	-30127.43	-38835.14	-51789.95	
Total area (ft²)	1891.21	2815.72	2679.72	3056.77	3583.25	4285.4	5168.16	6647.2	8707.71	12954.81	28020.69	
Depth of Contamination (ft) ^a	3	3	3	3	3	3	3	3	3	3	3	
Porosity ^b	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	
Volume of TPH-gro Contaminated Groundwater (ft ³) ^c	2127.61	3167.69	3014.69	3438.87	4031.16	4821.08	5814.18	7478.10	9796.17	14574.16125	31523.27625	
Volume of TPH-gro Contaminated Groundwater (gal)	15916.66	23697.45	22552.86	25726.16	30157.08	36066.46	43495.88	55943.67	73285.18	109029.30	235825.63	
Weight of Benzene in Groundwater (lb)^d	2.92	3.95	3.39	3.43	3.52	3.61	3.63	3.73	3.67	3.64	3.94	39.44

Toluene in Groundwater	Figure 9												TOTAL
Concentration Range in Concentric Gradient (mg/L)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	
Maximum Concentration in Gradient	32	30	28	26	24	22	20	18	16	14	12	10	
Contaminated Area within delineated concentration (ft ²)	5.59	298.58	1108.59	2608.40	3917.50	5273.17	6833.58	8613.64	10714.09	13250.33	16242.41	19756.97	
Preceding concentric area (ft ²)		-5.59	-298.58	-1108.59	-2608.40	-3917.50	-5273.17	-6833.58	-8613.64	-10714.09	-13250.33	-16242.41	
Total area (ft²)	5.59	292.99	810.01	1499.81	1309.10	1355.67	1560.41	1780.06	2100.45	2536.24	2992.08	3514.56	
Depth of Contamination (ft) ^a	3	3	3	3	3	3	3	3	3	3	3	3	
Porosity ^b	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	
Volume of TPH-gro Contaminated Groundwater (ft ³) ^c	6.29	329.61	911.26	1687.29	1472.74	1525.13	1755.46	2002.57	2363.01	2853.27	3366.09	3953.88	
Volume of TPH-gro Contaminated Groundwater (gal)	47.05	2465.84	6817.15	12622.59	11017.55	11409.49	13132.61	14981.21	17677.65	21345.31	25181.72	29578.98	
Weight of Toluene in Groundwater (lb)^d	0.01	0.62	1.59	2.74	2.21	2.09	2.19	2.25	2.36	2.49	2.52	2.47	23.55

TPH-gro Soil (lb)	17142.42
Benzene-Soil (lb)	54.19
MTBE in Soil	22.78
Xylene in Soil (lb)	24.90
Total Weight of Constituents in Soil (lbs)	17244.30
Benzene-Groundwater (lb)	39.44
Toluene in Groundwater (lb)	23.55
Total Weight of Constituents in Groundwater (lbs)	62.99
Total Weight of Constituents in Groundwater and Soil (lbs)	17307.29

ASSUMPTIONS

Nature of the spill included the release of gasoline compounds (in essence TPH-gro). Component constituent compounds were in addition monitored. In that the TPH-gro definitionally includes benzene, naphthalene, and MTBE, and in that the area of the plumes generally overlap, the cumulative total of TPH-gro and benzene would then be biased on the high side and reflect the worst-case scenario.

Impacted groundwater and soil plume area determined by delineation techniques with graphic areas depicted by Kriging methods.

Figures 4, 5, 6, 7, 8, and 9 present the TPH delineated plumes and corresponding concentrations gradients, designated zones, and zone areas.

Total TPH in the groundwater or soil at specified zoned gradient assumes worst-case concentration in the zoned gradient.

Each zone is defined by the delimited concentration area of the zone plus/minus any intersecting or parallel zoned areas at the specified concentration range.

^a Average thickness of contamination in water phase: Only the shallow water aquifer is impacted at a depth range consistent with the depth of soil contamination 3 ft. bgs.

^b Soil density (water bearing sand seams) at sandy soil porosity (0.375) ~ 1.5 g/cm³ or 93.56 lb/cf

^c Average thickness of contamination impacted soil: Impact depth range from 3-15 ft. bgs., or 5.5 ft. average randomly distributed.

The potential emissions rate for VOCs emitted from the remediation system was assumed to be constant during the remediation time period.

The estimated remediation time is 1.87 years (682.6 days to RCL).

Each of the total petroleum hydrocarbon (TPH) components is considered a VOC.

METHODOLOGY:

^c Volume of contaminated water = [Plume Area (ft²) * [Depth of Contamination (ft)] * [Porosity]

^d Weight of TPH in Groundwater (Dissolved Phase) (lbs) : [[Concentration of TPH (mg/L of water)] * [(g/1,000 mg)] * [3.785L/gal] * [Volume of contaminated water (gal)] * [lb/453.6g]

^f Weight of TPH in Soil (Absorbed to Soil) (lbs) = [Concentration of TPH (lb/million lbs of soil)] * [Volume of the contaminated soil (ft³) * [Soil density (lbs/ft³) * [million lbs/1,000,000 lbs]]
mg/Kg = (lb/million lbs of soil)

Total TPH in groundwater or soil = sum of zoned concentration distributions for TPH-gro and/or benzene, respectively.

PTE of VOCs (tons/yr) = [Total VOC (Soil and Groundwater) (tons)] / [Remediation Time (years)]

**Appendix A: Emission Calculations
 Volatile Organic Compounds (VOCs) Emissions Calculations
 Groundwater Treatment and Enhanced Soil Vapor Extraction system**

Company Name: Superior Environmental Remediation⁹⁰, Inc.
 Site Address: 724 S. Michigan, LaPaz, IN 46537
 Exemption No.: 099-30650-00110
 Reviewer: Charles Sullivan
 Date: 10-Aug-2011

Table 10: Potential To Emit (PTE) VOC

		TPY	lb/yr	lb/day	lb/hr
Total VOC (Soil and Groundwater) (lbs)	17307.29				
Total VOC (Soil and Groundwater) (tons)	8.65				
Remediation Time (years)	1.87				
PTE Of VOC (tons/yr)	4.63	4.63	9,255.23	25.36	1.06

Table 11: TPH Distribution

	TPY	%
TPH-gro =	4.63	100.00

Appendix A: Emission Calculations
Hazardous Air Pollutants
Groundwater Treatment and Enhanced Soil Vapor Extraction System

Company Name: Superior Environmental Remediation⁹⁰, Inc.
Site Address: 724 S. Michigan, LaPaz, IN 46537
Exemption No.: 099-30650-00110
Reviewer: Charles Sullivan
Date: 10-Aug-2011

TPH PTE (TPY)	4.63	TPH-gro (TPY)	4.63
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Potential To Emit (PTE) of Gasoline TPH Constituents (TPH-gro)

Compound Class	Compound	CAS#	Molecular Weight (g/mol)	Average Composition (% by weight)*	Potential to Emit (tons/yr)	Hazardous Air Pollutant
	1,3-Butadiene	106-99-0	54.1	0.0037%	1.7E-04	
	cis-2-Butene	590-18-1	56.1	0.3100%	1.4E-02	HAP
	trans-2-Butene	624-64-6	56.1	0.3600%	1.7E-02	
	2-Methyl-1-butene	563-46-2	70.1	0.5400%	2.5E-02	
	2-Methyl-2-butene	513-35-9	70.1	1.1000%	5.1E-02	
	cis-2-Pentene	627-20-3	70.1	0.3900%	1.8E-02	
	trans-2-Pentene	646-04-8	70.1	0.7200%	3.3E-02	
Alkyl-Monoaromatics	Benzene	71-43-2	78.1	1.9000%	8.8E-02	HAP
	Toluene	108-88-3	92.1	8.1000%	3.8E-01	HAP
	Ethylbenzene	100-41-4	106.2	1.7000%	7.9E-02	HAP
	m-Xylene	108-38-3	106.2	4.6000%	2.1E-01	HAP
	o-Xylene	95-47-6	106.2	2.5000%	1.2E-01	HAP
	p-Xylene	106-42-3	106.2	1.9000%	8.8E-02	HAP
	1,2,4-Trimethylbenzene	95-63-6	120.2	3.0000%	1.4E-01	
	1,3,5-Trimethylbenzene	108-67-8	120.2	0.9800%	4.5E-02	
	1-Methyl-2-ethylbenzene	611-14-3	120.2	0.7100%	3.3E-02	
	1-Methyl-3-ethylbenzene	620-14-4	120.2	1.8000%	8.3E-02	
	1-Methyl-4-ethylbenzene	622-96-8	120.2	0.8000%	3.7E-02	
Branched Alkanes	Isobutane	75-28-5	58.1	1.7000%	7.9E-02	
	Isopentane	78-78-4	72.1	7.9000%	3.7E-01	
	2,2-Dimethylbutane	75-83-2	86.2	0.4900%	2.3E-02	
	2,3-Dimethylbutane	79-29-8	86.2	1.0000%	4.6E-02	
	2-Methylpentane	107-83-5	86.2	3.9000%	1.8E-01	
	3-Methylpentane	96-14-0	86.2	2.5000%	1.2E-01	
	2,4-Dimethylpentane	108-08-7	100.2	0.8300%	3.8E-02	
	2-Methylhexane	591-76-4	100.2	3.0000%	1.4E-01	
	3-Methylhexane	589-34-4	100.2	1.7000%	7.9E-02	
	2,2,4-Trimethylpentane	540-84-1	114.2	2.4000%	1.1E-01	HAP
	2,3,3-Trimethylpentane	560-21-4	114.2	0.6600%	3.1E-02	
	2,3,4-Trimethylpentane	565-75-3	114.2	0.9700%	4.5E-02	
	2,3-Dimethylhexane	584-94-1	114.2	0.3900%	1.8E-02	
	2,4-Dimethylhexane	589-43-5	114.2	0.4400%	2.0E-02	
	3-Methylheptane	589-81-1	114.2	0.7500%	3.5E-02	
Cycloalkanes	Cyclopentane	287-92-3	70.1	0.4700%	2.2E-02	
	Cyclohexane	110-82-7	84.2	0.3900%	1.8E-02	
	Methylcyclopentane	96-37-7	84.2	1.8000%	8.3E-02	
	Methylcyclohexane	108-87-2	98.2	0.5800%	2.7E-02	
n-Alkanes	n-Butane	106-97-8	58.1	4.7000%	2.2E-01	
	n-Pentane	109-66-0	72.1	3.9000%	1.8E-01	
	n-Hexane	110-54-3	86.2	2.4000%	1.1E-01	HAP
	n-Heptane	142-82-5	100.2	1.1000%	5.1E-02	
	Naphthalene	91-20-3	128.2	0.2500%	1.2E-02	HAP
	1-Methylnaphthalene	90-12-0	142.2	0.0700%	3.2E-03	
	2-Methylnaphthalene	91-57-6	142.2	0.1800%	8.3E-03	
Oxygenates	Methyl-tert-butyl ether	1634-04-4	88.1	0.3300%	1.5E-02	HAP
	Total			76.21%		

*Composition of TPH assuming that site is contaminated with gasoline. Composition Data Obtained from: Potter, T.L. and K.E. Simmons. 1998. Total Petroleum Hydrocarbon Criteria Working Group Series, Volume 2. Composition of Petroleum Mixtures. The Association for Environmental Health and Science. Available on the Internet at: <http://www.aehs.com/publications/catalog/contents/tpg.htm>

Table 13: Hazardous Air Pollutants (HAPs) Summary
 TPH-gro = 4.63

Gasolene Compounds	Gasolene Component (TPY)	HAPs SUMMARY			
		TPY	lb/yr	lb/day	lb/hr
1,3-Butadiene	1.7E-04	1.7E-04	3.4E-01	9.4E-04	3.9E-05
Benzene	8.8E-02	8.8E-02	1.8E+02	4.8E-01	2.0E-02
Toluene	0.38	3.8E-01	7.5E+02	2.1E+00	8.6E-02
Ethylbenzene	7.9E-02	7.9E-02	1.6E+02	4.3E-01	1.8E-02
Xylene	4.2E-01	4.2E-01	8.3E+02	2.3E+00	9.5E-02
2,2,4-Trimethylpentane	1.1E-01	1.1E-01	2.2E+02	6.1E-01	2.5E-02
n-Hexane	1.1E-01	1.1E-01	2.2E+02	6.1E-01	2.5E-02
Naphthalene	1.2E-02	1.2E-02	2.3E+01	6.3E-02	2.6E-03
Methyl-tert-butyl ether	1.5E-02	1.5E-02	3.1E+01	8.4E-02	3.5E-03
TOTAL		1.2E+00	2.4E+03	6.6E+00	2.8E-01

Total PTE of HAPs (tons/yr)	1.21
PTE of Worst Case HAP (tons/yr)	0.42

METHODOLOGY:

PTE of HAPS (tons/yr) = [PTE of VOC (tons/yr)] * [Average HAP Composition (% by weight)]

**Appendix A: Emission Calculations
VOC Emissions from Tanks**

Company Name: Superior Environmental Remediation⁹⁰, Inc.
Site Address: 724 S. Michigan, LaPaz, IN 46537
Exemption No.: 099-30650-00110
Reviewer: Charles Sullivan
Date: 10-Aug-2011

Tank ID	Potential VOC Emissions	
	(lb/yr)	(TPY)
Moisture Separator (MS-1)	439.99	0.22
Moisture Separator (MS-2)	439.99	0.22
Air Stripper Tank (ASa)	880.32	0.44
Liquid Phase Carbon Treatment Tank (LPC)	880.16	0.44
Petroleum Contaminated Groundwater Lag Tank (LT)	885.87	0.44
Potential Emissions:	3526.33	1.76

Appendix A: Emission Calculations
Fugitive Dust Emissions - Unpaved Roads

Company Name: Superior Environmental Remediation⁹⁰, Inc.
 Site Address: 724 S. Michigan, LaPaz, IN 46537
 Exemption No.: 099-30650-00110
 Reviewer: Charles Sullivan
 Date: 10-Aug-2011

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (12/2003).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle	2.0	0.033	0.066	2.0	0.13	213	0.040	0.0	1.0
Total			0.07		0.13			0.00	0.97

Average Vehicle Weight Per Trip = $\frac{2.0}{0.04}$ tons/trip
 Average Miles Per Trip = $\frac{0.04}{0.04}$ miles/trip

Unmitigated Emission Factor, $E_f = k \left[\left(\frac{s}{12} \right)^a \right] \left[\left(\frac{W}{3} \right)^b \right]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-3 Sand/Gravel Processing Plant Road)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2)
W =	2.0	2.0	2.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f \left[\frac{365 - P}{365} \right]$

Mitigated Emission Factor, $E_{ext} = E_f \left[\frac{365 - P}{365} \right]$

where P = 120 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	2.15	0.55	0.05	lb/mile
Mitigated Emission Factor, $E_{ext} =$	1.44	0.37	0.04	lb/mile

	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Process						
Vehicle	1.04E-03	2.65E-04	2.65E-05	6.97E-04	1.78E-04	1.78E-05

Methodology:

- Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
- Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
- Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
- Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
- Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
- Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
- Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
- Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations:

- PM = Particulate Matter
- PM10 = Particulate Matter (<10 um)
- PM2.5 = Particle Matter (<2.5 um)
- PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: R Scott Liggett
Superior Environmental Remediation90
2101 Lincolnway E
Mishawaka, IN 46544

DATE: August 29, 2011

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Exemption
099 - 30650 - 00110

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Sammy Sirhan, Environmental Svcs Dir
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 8/29/2011 Superior Environmental Remediation90 Inc 099 - 30650 - 00110 final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

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1		R Scott Liggett Superior Environmental Remediation90 Inc 2101 Lincolnway E Mishawaka IN 46544 (Source CAATS) Via confirmed delivery										
2		Sammy Sirhan Environmental Svcs Dir Superior Environmental Remediation90 Inc 2101 Lincolnway E Mishawaka IN 46544 (RO CAATS)										
3		Marshall County Commissioners 112 West Jefferson Street Plymouth IN 46563 (Local Official)										
4		Marshall County Health Department 112 W Jefferson Street, Suite 103 Plymouth IN 46563-1764 (Health Department)										
5		LaPaz Town Council PO Box 0820 LaPaz IN 46537 (Local Official)										
6		Ms. Julie Grzesiak 1924 S. 1050 W. Russiaville IN 46979 (Affected Party)										
7		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
8		Richard L. Best 320 D Business Parkway Greer SC 29651 (Affected Party)										
9		DMK Properties, LLC PO Box 95 LaPaz IN 46537 (Affected Party)										
10		Cleo J. Albert 712 S. Michigan Street LaPaz IN 46537 (Affected Party)										
11		Speedway Superamerica, LLC 539 S. Main Street Findlay OH 45840 (Affected Party)										
12		Bkcap, LLC 4220 Edison Lakes Parkway Mishawaka IN 46545 (Affected Party)										
13		Onkar Singh Lall 840 S. Michigan St. Plymouth IN 46563 (Affected Party)										
14												
15												

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