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SECTION 7A COMPLIANCE ANALYSIS

COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

JANUARY 27, 2012

Prepared for:

The Van Buren County Brownfield Redevelopment Authority

On Behalf Of:

Donald Cleveland, LLC
250 North Shore Drive
South Haven, Michigan 49090

Prepared by:
ENVIROLOGIC TECHNOLOGIES, INC.
2960 Interstate Parkway
Kalamazoo, Michigan 49048
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SECTION 7A COMPLIANCE ANALYSIS

FOR

COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

BACKGROUND

This Section 7a Compliance Analysis has been prepared on behalf of Donald Cleveland, LLC. A Phase I and Phase II ESA of the subject property was completed on behalf of Donald Cleveland, LLC on January 20, 2011 by Envirologic Technologies, Inc. The following environmental concerns were identified in the Phase I ESA:

- The historic presence of three underground storage tanks (USTs) with dispensers removed from the site for which no assessment sampling was completed;
- The presence of a steel plate on the property of unknown origin/use which may represent a potential additional UST or subsurface feature;
- The identification of offsite properties of known environmental impact located proximal to the subject property.

Envirologic completed Phase II ESA activities on December 28, 2011 in order to investigate the potential for impact in association with the environmental concerns. The Phase II ESA results demonstrate that the subject property meets the definition of a “facility” as defined by Part 201 of NREPA. A Baseline Environmental Assessment (BEA) has been completed on behalf of Donald Cleveland, LLC in order to obtain an exemption to remedial liability for pre-existing contaminant conditions on the subject property. The BEA (with Phase II ESA) is presented as Appendix B.

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DETAILED CHARACTERISTICS OF PROPERTY USE

The subject property is located in an area of commercial and residential development within the City of Bangor. Refer to Figure 1, Appendix A for a location map. The subject property is a rectangular-shaped parcel occupying 0.3 acres of land. The subject property is developed with a 1,170-square-foot retail building and a 2,560-square-foot pole building both resting on a concrete slab on grade. Asphalt cover is in place along the southern property boundary. The remainder of the subject property consists of landscaped lawn space and sand/gravel ground cover. Refer to Figure 2, Appendix A for a site plan of the subject property.

The subject property is serviced by municipal sanitary sewer, storm sewer, and water provided by the City of Bangor. Electric service is provided by American Electric Power (AEP). Natural gas for heat is provided by Consumers Energy. Consumers Energy indicates that natural gas enters the southeast corner of the retail building and extends south to the W. Monroe St. Municipal utility corridors are present along W. Monroe St. south of the subject property and Lincoln St. west of the subject property. The City of Bangor indicates no improvements to utilities or new connections are currently planned. No private utilities (septic system, water wells) are in use at the site.

At this time, no demolition activities are planned for the subject property. No re-grading of the surface, new surfacing, utilities, foundations or buildings are planned.

Soils encountered by Envirologic were generally characterized as inter-bedded lenses of well-sorted dark brown silty sand, well-sorted brown sand, firm brown clay with medium to low plasticity and soft gray clay with high plasticity. Groundwater was encountered approximately 18 feet below ground level (bgl). Based upon a review of topographic features and hydrogeologic data generated at offsite properties in the region, groundwater is anticipated to flow in a north-northwesterly direction on the subject property.

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HAZARDOUS SUBSTANCE INFORMATION

A Phase I and Phase II ESA of the subject property was completed on behalf of Donald Cleveland, LLC on January 20, 2012 by Envirologic Technologies, Inc. The following environmental concerns were identified in the Phase I ESA:

- The historic presence of three USTs with dispensers removed from the site for which no assessment sampling was completed;
- The presence of a steel plate on the property of unknown origin/use which may represent a potential additional UST or subsurface feature;
- The identification of offsite properties of known environmental impact located proximal to the subject property.

The Phase II ESA consisted of the completion of a ground-penetrating radar (GPR) geophysical survey and the installation of nine Geoprobe™ soil borings for the collection of soil and groundwater samples. The Phase II ESA was completed in accordance with a Sampling Plan approved by the U.S. EPA prior to the initiation of field activities. Refer to Figure 2, Appendix A for a site plan detailing boring locations. A summary of the Phase II ESA activities and results is provided below. Refer to the Phase II ESA for further detail.

Ground Penetrating Radar (GPR) Geophysical Survey

A GPR geophysical survey was completed across all exterior portions of the subject property on December 28, 2011. The geophysical survey report is presented in Appendix H of the Phase I and Phase II ESA. No indications of the continued presence of USTs on the subject property were identified as a result of the GPR survey. The GPR survey did indicate the presence of disturbed soils consistent with a potential former UST vault on the west side of the retail building. This result is consistent with historic photographs indicating the presence of vent pipes and a dispenser on the west side of the retail building.

Although no indications of the continued presence of tanks were identified, the GPR result did indicate the potential continued present of remnant piping extending from the former dispenser area south of the retail building and trending northwest toward the former UST vault area. Additionally, a piece of scrap steel was identified near the southwest corner of the retail building; the location of a former UST dispenser. Envirologic recommends that any potential remnant UST

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system piping or debris that might be encountered in the future be removed from the subject property and properly disposed.

Geoprobe™ Boring Installation

Envirologic completed Geoprobe™ boring installation activities on December 28, 2011. Nine Geoprobe™ soil borings were installed across the subject property for the characterization of subsurface conditions and the collection of soil/groundwater samples. A summary of the boring installation activities is presented below.

Former Dispenser Locations

Boring GSB-1 and GSB-2were installed within former dispenser locations south of the retail building as detailed in historic photographs and evident by asphalt patching. Boring GSB-1 was installed to a depth of 20 feet bgl and boring GSB-2 was installed to a depth of 10 feet bgl. No indications of impact (visual, olfactory, photo-ionization detector (PID) responses) were noted during boring installation. Based upon the lack of indications of impact, a soil sample was collected four feet bgl from borings GSB-1 and GSB-2. The sample depth was selected in order to characterize subsurface conditions at a depth consistent with the typical base of dispenser piping. Additionally, a groundwater sample was also collected from location GSB-1. The groundwater sample was collected from the screened interval of 16 to 21 feet bgl. No indications of impact were noted during collection of the groundwater sample.

Boring GSB-3 was installed at the southwest corner of the retail building in association with a third historic dispenser location. The boring was installed to a depth of 10 feet bgl. A petroleum odor and a PID response of 64.2 ppmv was noted in association with a lens of damp sandy soil encountered five feet bgl. Based upon the field observations, a soil sample was collected five feet bgl from boring GSB-3. Indications of petroleum impact did not extend to a gray clay encountered approximately 7.5 feet bgl.

Former Underground Storage Tanks

Borings GSB-4, GSB-5, GSB-6, and GSB-7 were installed within sand/gravel ground cover west of the retail building. The boring locations were selected based upon the GPR survey results along with historic photographs of the site. Boring GSB-4 was installed to a depth of 21 feet bgl while borings GSB-5, GSB-6, and GSB-7 were installed to a depth of 10 feet bgl.

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Soil staining, an apparent petroleum odor, and a PID response of 49.7 ppmv was noted in a one-foot-thick sand lens encountered approximately 10 feet bgl at boring GSB-4. Based upon the field observations a soil sample was collected 10 feet bgl from boring GSB-4. The sample depth is also consistent with the depth at which the base of a 3,000-gallon tank might be encountered. The staining and petroleum odor did not persist beyond a depth of approximately 12 feet bgl. In addition to the soil sample, a groundwater sample was collected from a temporary screen point sampler with a four-foot screened interval set to straddle the water table at a depth of 17 to 21 feet bgl. No indications of groundwater impact (odor, sheen) were noted during collection of the groundwater sample.

No indications of impact (visual, olfactory, photo-ionization detector (PID) responses) were noted during installation of borings GSB-5 and GSB-6. Based upon the lack of indications of impact, a soil sample was collected 10 feet bgl from borings GSB-5 and GSB-6. The sample depth was selected based upon observations at location GSB-4 and also to characterize subsurface conditions at a depth consistent with the typical base of a 3,000-gallon UST.

Boring GSB-7 was installed northwest of location GSB-3 and southeast of location GSB-4 based upon observations of impact noted at these locations along with the lack of indications of impact at locations GSB-5 and GSB-6. Boring GSB-7 was installed to a depth of 10 feet bgl. A slight petroleum odor and a PID response of 108.3 ppmv was noted in association with silty soils encountered eight feet bgl at this location. Indications of apparent petroleum impact did not extend beyond approximately nine feet bgl at location GSB-7. Based upon the field observations a soil sample was collected eight feet bgl at location GSB-7.

Steel Plate

Boring GSB-9 was installed adjacent to an approximately two-by-four-foot steel plate located north of the retail building and south of the pole building. The presence of this steel plate was initially identified as a potential concern during the Phase I ESA based upon the potential that this plate represented the presence of a subsurface feature. Upon removal the plate was determined to be resting on the ground surface with no void/feature beneath the plate. Boring GSB-9 was installed to a depth of five feet bgl within the footprint of area where the plate was located. No indications of impact (visual, olfactory, PID responses) were noted during installation of boring GSB-9. Based upon the field observations no samples for laboratory analysis were collected from location GSB-9.

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Offsite Properties

Boring GSB-8 was installed proximal to the eastern boundary of the site in order to characterize groundwater conditions relative to offsite properties of known environmental impact located hydraulically side-gradient or upgradient to the subject property. The boring was installed to a depth of 22 feet bgl. No indications of impact (visual, olfactory, PID responses) were noted during installation of boring GSB-8. A groundwater sample was collected from the screened interval of 17.5 to 21.5 feet bgl. No indications of groundwater impact (odor, sheen) were noted during collection of the groundwater sample.

The collected soil and groundwater samples were submitted to TriMatrix Laboratories, Inc. of Grand Rapids, Michigan for laboratory analysis. The sample containers were placed into a chilled cooler for transportation to the laboratory using standard chain-of-custody procedures. The samples associated with the former gasoline and diesel UST systems were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), trimethylbenzene isomers (TMBs), ethylene dibromide, 1,2-dichloroethane, PNAs, and lead. The sample collected in association with offsite properties of known impact were analyzed for a broad range of volatile organic compounds (VOCs 8260+), PNAs, and lead. Due to the high turbidity noted during groundwater sampling and purging, the groundwater samples for metals analyses were field-filtered and dissolved metals concentrations were reported. The laboratory analytical report and a copy of the chain of custody are presented in Appendix H of the Phase I and Phase II ESA.

A summary of the soil analytical results along with a comparison to Residential cleanup criteria is presented as Table 1. A summary of the groundwater analytical results along with a comparison to Residential cleanup criteria is presented as Table 2.

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Table 1: Summary of Soil Analytical Results and Comparison to Residential Cleanup Criteria

Compound	Statewide Default Background Levels	Drinking Water Protection Criteria	Direct Contact Criteria	GW Contact Protection Criteria	Groundwater Surface Water Interface Protection (GSIP) Criteria	Soil Vol. to Indoor Air Inhalation Criteria	Infinite Source Volatile Soil Inhalation Criteria	Particulate Soil Inhalation Criteria	GSB-1 @ 4 ft.	GSB-2 @ 4 ft.	GSB-3 @ 5 ft.	GSB-4 @ 10 ft.	GSB-5 @ 10 ft.	GSB-6 @ 10 ft.	GSB-7 @ 8 ft.	GSB-7 @ 10 ft.
VOLATILE ORGANIC COMPOUNDS																
Benzene	NA	100	180,000	220,000	4,000	1,600	13,000	3.8E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Toluene	NA	16,000	250,000	250,000	5,400	250,000	2.8E+6	2.7E+10	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Ethylbenzene	NA	1,500	140,000	140,000	360	87,000	720,000	1.0E+10	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**830**
Xylenes	NA	5,600	150,000	150,000	820	150,000	4.6E+7	2.9E+11	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
1,2,4-trimethylbenzene	NA	2,100	110,000	110,000	570	110,000	2.1E+7	8.2E+10	<RL	<RL	**1,200**	<RL	<RL	<RL	<RL	**790**
1,3,5-trimethylbenzene	NA	1,800	94,000	94,000	1,100	94,000	1.6E+7	8.2E+10	<RL	<RL	**440**	<RL	<RL	<RL	<RL	**590**
1,2-EDB	NA	20	92	500	110	670	1,700	1.4E+7	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
1,2-DCA	NA	100	91,000	380,000	7,200	2,100	6,200	1.2E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
POLYNUCLEAR AROMATIC HYDROCARBONS																
Naphthalene	NA	35,000	1.6E+7	2.1E+6	730	250,000	300,000	2.0E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**420**
2-methylnaphthalene	NA	57,000	8.1E+6	5.5E+6	4,200	2.7E+6	1.5E+6	6.7E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**380**
All Other PNAs	NA	NA	NA	NA	NA	NA	NA	NA	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
METALS																
Lead	21,000	700,000	400,000	ID	(G,X)	NLV	NLV	1.0E+8	**9,800**	**1,900**	**4,100**	**8,400**	**8,600**	**6,800**	**13,000**	**7,400**

Notes:
1. All sample results in µg/kg (parts per billion)
2. Result **bolded** and underlined where detected, bolded, underlined and shaded where exceeding applicable cleanup criteria
3. NA = Not Applicable or Not Analyzed, NLV = Not likely to volatilize, <RL = Not identified above Reporting Limit and/or Method Detection Limit
4. G = GSI Protection criterion depends on pH or water hardness or both of the receiving surface water, X = The GSI Protection criterion is not protective for surface water that is used as a drinking water source
5. Cleanup Criteria from Rule 299.5706a of Part 201, March 25, 2011

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Table 2: Summary of Groundwater Analytical Results and Comparison to Residential cleanup criteria

Compound	Drinking Water Criteria	Groundwater Contact Criteria	Groundwater Surface Water Interface (GSI) Criteria	Groundwater Vol. to Indoor Air Inhalation Criteria	GSB-1 @ 16-21 ft.	GSB-4 @ 17-21 ft.	GSB-8 @ 17.5-21.5 ft.
VOLATILE ORGANIC COMPOUNDS							
All VOCs	NA	NA	NA	NA	<RL	<RL	<RL
POLYNUCLEAR AROMATIC HYDROCARBONS							
All PNAs	NA	NA	NA	NA	<RL	<RL	<RL
METALS							
Lead	4.0	ID	(G,X)	NLV	<RL	<RL	NA

Notes:
1. All sample results in µg/L (parts per billion)
2. Result **bolded** and <u>underlined</u> where detected, bolded, underlined and shaded where exceeding applicable cleanup criteria
3. NA = Not Applicable or Not Analyzed, NLV = Not likely to volatilize, <RL = Not identified above Reporting Limit and/or Method Detection Limit
4. G = GSI Protection criterion depends on pH or water hardness or both of the receiving surface water, X = The GSI Protection criterion is not protective for surface water that is used as a drinking water source
5. Cleanup Criteria from Rule 299.5706a of Part 201, March 25, 2011

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A review of Table 1 indicates that select volatile organic compounds were identified above Residential cleanup criteria in soil samples collected in association with the former dispenser location near the southwest corner of the retail building and the former UST vault area west of the retail building. Specifically, 1, 2, 4-trimethylbenzene was identified above the groundwater surface water interface protection (GSIP) criterion at locations GSB-3 and GSB-7. Additionally, ethylbenzene was also identified at a concentration in excess of the GSIP at location GSB-7. The polynuclear aromatic hydrocarbons naphthalene and 2-methylnaphthalene were identified above reporting limits but below Residential cleanup criteria at location GSB-7. The reported concentrations of lead identified in all soil samples are below State Wide Default Background Levels.

A review of Table 2 indicates that no contaminants of concern were identified above Reporting Limits in the groundwater samples collected on the subject property.

Based upon the identification of select contaminants in soil on the subject property in excess of Residential cleanup criteria, the subject property meets the definition of a "facility" as defined by Part 201 of the Natural Resource and Environmental Protection Act (NREPA).

Abandoned Containers

No indications of the presence of USTs (vent pipes, fill ports, dispensers) were identified through completion of the Phase I and Phase II ESA. No indications of the presence of underground storage tanks on the property were identified as a result of the GPR geophysical survey of the subject property completed on December 28, 2011. Additionally, no indications of the presence of abandoned containers on the subject property were identified through the installation of GeoProbe™ soil borings during Phase II ESA activities.

Contaminant Fate and Transport

The reported concentration of "facility" contaminants did not exceed Drinking Water Protection or Groundwater Contact Protection criteria. However, the reported concentrations of "facility" contaminants do exceed Groundwater-Surface Water Interface Protection (GSIP) criteria. As detailed in Table 2, no "facility" contaminants have been identified in groundwater on the subject property. Nevertheless, should contaminants leach from soil to groundwater it is anticipated that they would migrate in a north-northwesterly direction based upon groundwater flow data generated as a result of hydrogeologic investigations completed on offsite properties in the region.

As indicated, a petroleum odor, soil staining, and PID responses were noted in association with soils at location GSB-4. Boring GSB-4 was installed along the western boundary of the subject property in conjunction with the former UST vault. A Notice of Migration of Contamination has not been completed based upon the fact that:

- No contaminants of concern have been identified in groundwater across the subject property
- No contaminants of concern were identified in soil at location GSB-4

Nevertheless, based upon the field observations of an apparent petroleum odor and soil staining identified near the western boundary of the subject property at location GSB-4, Envirologic will prepare correspondence for the City of Bangor detailing the Phase II ESA observations and results. The correspondence will serve to communicate to the City of Bangor conditions that might be observed within the east right-of-way of Lincoln St. proximal to location GSB-4 during potential future subsurface work in this area. As indicated, no potential for unacceptable human health exposures have been identified based upon the maximum "facility" contaminant concentrations detected on the subject property.

Exposure Pathways

Donald Cleveland, LLC intends to acquire the subject property and refurbish the subject buildings to be marketed to a commercial/retail tenant. No fuel retail activities or bulk chemical storage will be conducted on the subject property in the future. Therefore, the proposed future use of the site will be commercial in nature. The subject property is currently zoned Commercial Business District according to the City of Bangor. However, in order to provide a conservative evaluation of potential "due care" obligations a comparison of the maximum "facility" contaminant concentrations was made to Non-Residential cleanup criteria. An analysis of the applicability of exposure pathways is provided below.

Based upon the fact that "facility" contaminants were limited to soil, the following exposure pathways were considered:

- Direct contact with contaminants in soil
- Drinking Water Protection
- Inhalation of contaminated soil particulates
- Soil Volatilization to Indoor Air Inhalation
- Infinite Source Volatile Soil Inhalation
- Groundwater Contact Protection

Table 3 provides a comparison of the maximum “facility” soil contaminant concentrations to the relevant Non-Residential cleanup criteria.

Table 3: Summary of Maximum Soil Analytical Results and Comparison to Residential Cleanup Criteria

Compound	CAS Number	Maximum Concentration	Sample Location / Depth	Drinking Water Protection Criteria	Direct Contact Criteria	GW Contact Protection Criteria	Soil Vol. to Indoor Air Inhalation Criteria	Infinite Source Volatile Soil Inhalation Criteria	Particulate Soil Inhalation Criteria
Ethylbenzene	100414	830 ug/Kg	GSB-7 @ 10 ft.	1,500	140,000	140,000	87,000	720,000	1.0E+10
1,2,4-trimethylbenzene	95636	1,200 ug/Kg	GSB-3 @ 5 ft.	2,100	110,000	110,000	110,000	2.1E+7	8.2E+10

Notes:
1. All sample results in µg/kg (parts per billion)
2. Result **bolded** and <u>underlined</u> where detected, bolded, underlined and shaded where exceeding applicable cleanup criteria
3. NA = Not Applicable or Not Analyzed, NLV = Not likely to volatilize, <RL = Not identified above Reporting Limit and/or Method Detection Limit
4. G = GSI Protection criterion depends on pH or water hardness or both of the receiving surface water, X = The GSI Protection criterion is not protective for surface water that is used as a drinking water source
5. Cleanup Criteria from Rule 299.5706a of Part 201, March 25, 2011

A review of Table 3 indicates that the maximum concentrations of “facility” contaminants on the subject property do not exceed any applicable Residential cleanup criteria. Therefore, no potential for unacceptable health exposures have been identified.

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PLAN FOR RESPONSE ACTIVITY

The completion of appropriate response activities will ensure that no unacceptable health exposures will occur relative to the identified contaminant conditions and the current site use. The following Response Activities will be undertaken:

- Based upon the fact that the subject property meets the definition of a "facility", as defined by Part 201 of NREPA, appropriate soil management practices will have to be utilized on site. Any excess soils potentially generated during future site redevelopment activities will have to remain on the subject property or be characterized and properly disposed in a Type II landfill.
- A Notice of Migration of Contamination has not been completed based upon the fact that:
    1. No contaminants of concern have been identified in groundwater on the subject property and;
    2. No contaminants of concern were identified above reporting limits in the soil samples collected adjacent to the western boundary of the subject property.

Nevertheless, based upon the field observations of an apparent petroleum odor and soil staining identified near the western boundary of the subject property at location GSB-4, Envirologic will prepare correspondence for the City of Bangor detailing the Phase II ESA observations and results. The correspondence will serve to communicate to the City of Bangor conditions that might be observed within the east right-of-way of Lincoln St. proximal to location GSB-4 during potential future subsurface work in this area. As indicated, no potential for unacceptable human health exposures have been identified based upon the maximum "facility" contaminant concentrations detected on the subject property.

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EVALUATION AND DEMONSTRATION OF COMPLIANCE WITH SECTION 7A OBLIGATIONS

Exacerbation

The intended future use of the property is not anticipated to exacerbate the existing conditions at the facility for the following reasons:

- No site redevelopment/construction activities involving disruption of the subsurface are proposed at this time. No alterations to existing impervious cover or storm water management/drainage are planned.
- The proposed future use of the site does not interfere with reasonable approaches to Corrective Action, or increased response costs associated with such measures if, at some time in the future, Corrective Action measures are completed.

Due Care

Personnel involved in any future site redevelopment activities will be made aware of the contaminant conditions in order to ensure that appropriate soil management practices are followed.

Copies of this Section 7a Compliance Analysis will be provided to subsequent owners or operators of the site.

No fire and explosion hazards related to the contamination exist at the site. No indications of the presence of free-phased petroleum product have been identified by Envirologic based upon the completed subsurface characterization activities.

Reasonable Precautions

The need for appropriate soil management practices during redevelopment will be communicated to all appropriate personnel. Thus, there are no reasonably foreseeable acts or omissions of third parties that would exacerbate site conditions or create unacceptable exposures.

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Continuing Obligations

To comply with the Bona Fide Prospective Purchaser exemption to liability provided in the Superfund amendments of 2002, the owner must adhere to the following obligations:

	Applicable	Not Applicable	Comment
Comply with any land use restrictions		X	
Do not impede the effectiveness of any institutional control placed on the property		X	
Take reasonable steps to stop continuing releases		X	No ongoing contaminant source.
Take reasonable steps to prevent future releases	X		No significant hazardous substances use will take place on the subject property in the future.
Take reasonable steps to prevent exposure		X	The identified concentrations of "facility" contaminants do not exceed exposure pathways applicable to human health (i.e. GSIP only).
Provide full cooperation, assistance and access to the site for cleanup activities	X		
Comply with information requests	X		Provide copies of BEA and Section 7a CA upon request
Provide any legally required notices	X		Provide copies of BEA and Section 7a CA to subsequent owners of the subject property.

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REFERENCES

Instructions for Preparing and Disclosing Baseline Environmental Assessments and Section 7a Compliance Analyses, March 11, 1999, Michigan Department of Environmental Quality.

Parts 9 and 10 of the Administrative Rules developed under Part 201.

Phase I and Phase II Environmental Site Assessment, Commercial Property, 720 W. Monroe St., Bangor, Michigan, January 20, 2012, Envirologic Technologies, Inc.

Baseline Environmental Assessment, Commercial Property, 720 W. Monroe St., Bangor, Michigan, January 27, 2012, Envirologic Technologies, Inc.

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APPENDIX A

FIGURES

Figure 1 – Location Map
Figure 2 – Site Plan with Boring Locations

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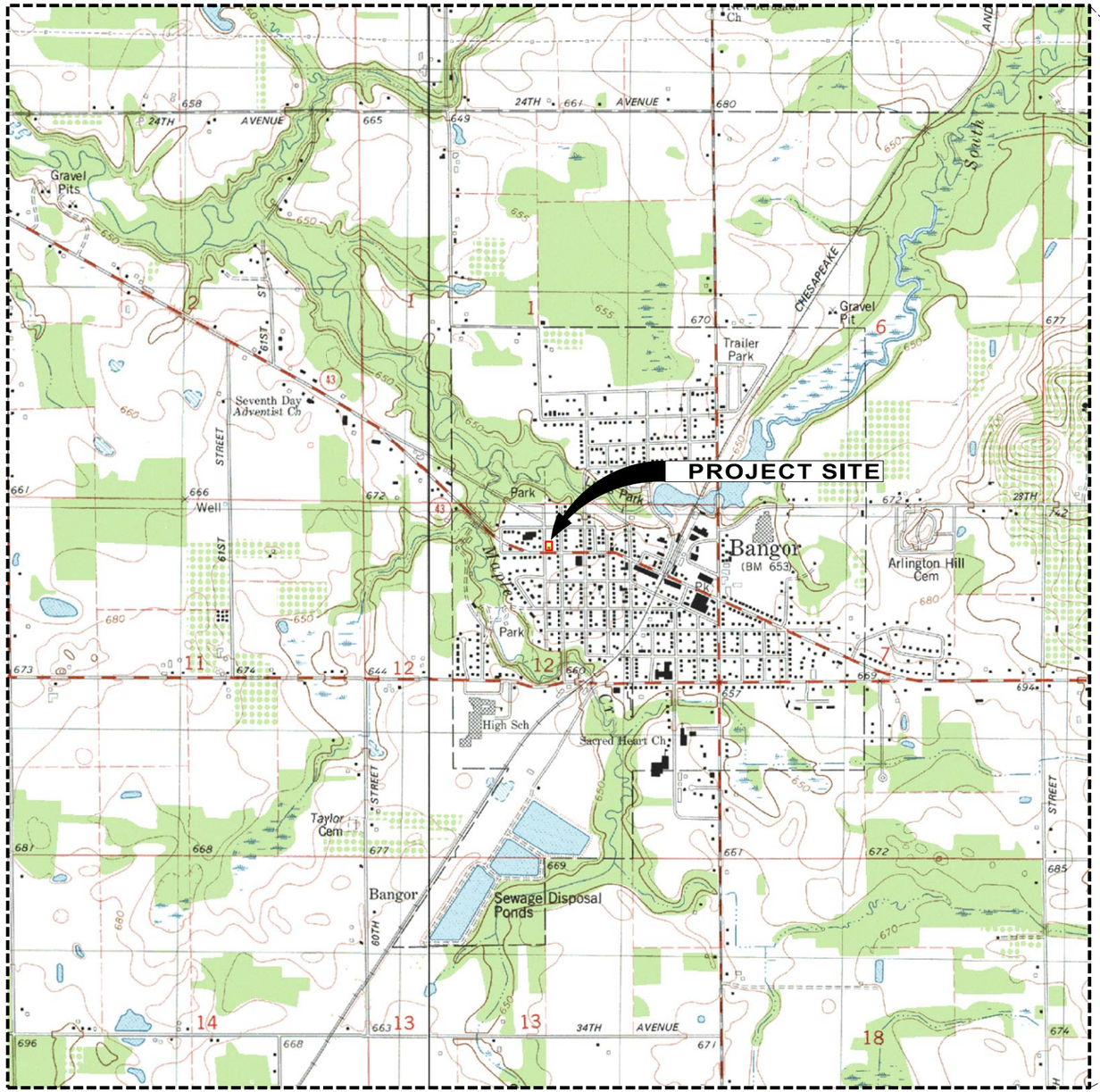

SOURCE: BANGOR AND McDONALD, MICHIGAN USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS
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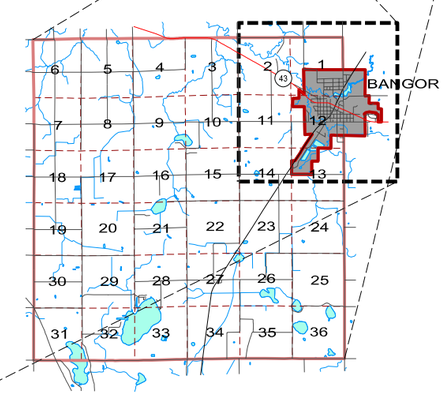

T 2 S. R. 16 W.
BANGOR TOWNSHIP
VAN BUREN COUNTY, MICHIGAN

N

0 500 1000 2000 4000
SCALE 1" = 2000'

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KALAMAZOO, MICHIGAN 49048
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COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

LOCATION MAP

PROJECT NO.
110448

FIGURE No.
1

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Location Map

LEGEND

GEOPROBE® SOIL BORING LOCATION

N

SCALE 1" = 30'

0 5 10 20 30 60

NOTE: AERIAL PHOTOGRAPHY: 2011 COLOR ORTHOPHOTO, OBTAINED FROM THE VAN BUREN COUNTY ON LINE GIS VIEWER.

NOTE:
THIS IS NOT A PROPERTY BOUNDARY SURVEY, PROPERTY BOUNDARIES SHOWN ON THIS MAP ARE BASED ON AVAILABLE FURNISHED INFORMATION AND ARE APPROXIMATE ONLY AND SHOULD NOT BE USED TO ESTABLISH PROPERTY BOUNDARY LOCATION IN THE FIELD.

COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

SITE PLAN

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2960 INTERSTATE PARKWAY
KALAMAZOO, MICHIGAN 49048
PH: (269) 342-1100 FAX: (269) 342-4945

PROJECT NO.
110448

FIGURE No.
2

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Site Plan A

APPENDIX B

Baseline Environmental Assessment
Commercial Property, 720 W. Monroe St., Bangor, Michigan
Envirologic Technologies, Inc., January 27, 2012

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BASELINE ENVIRONMENTAL ASSESSMENT
CONDUCTED PURSUANT TO SECTION 20126(1)(C)
OF 1994 PA 451, PART 201, AS AMENDED,
AND THE RULES PROMULGATED THEREUNDER

FOR

COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

Prepared for:

Donald Cleveland, LLC
250 North Shore Drive
South Haven, Michigan 49090

Prepared by:
ENVIROLOGIC TECHNOLOGIES, INC.
2960 Interstate Parkway
Kalamazoo, MI 49048
(269)342-1100

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY – REMEDIATION DIVISION
PO BOX 30426, LANSING, MICHIGAN 48909-7926, Phone 517-373-9837, Fax 517-373-2637

FOR DEQ USE ONLY
BEA SUBMITTAL #
_____

Baseline Environmental Assessment Submittal Form

This form is for submittal of a Baseline Environmental Assessment (BEA), as defined by the Environmental Remediation, Part 201 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 201 Rules promulgated thereunder, for the purpose of establishing an exemption to liability pursuant to Section 20126(1)(c) for a new owner or operator of property that is a facility as defined by Section 20101(1)(r). The BEA report must be conducted either prior to or within 45 days after becoming the owner or operator, whichever is earliest. This form and the BEA report must be submitted to the DEQ within 6 months of becoming the owner or operator whichever is earliest. A separate BEA is required for each legal entity that is or will be a new owner or operator of the property. To maintain the exemption to liability, the owner and operator must also disclose the BEA to any subsequent purchaser or transferee before conveying interest in the property pursuant to Section 20126(1)(c) and Rule 919. An owner or operator of a facility also has due care obligations under Section 20107a with respect to any existing contamination to prevent unacceptable exposure; prevent exacerbation; take reasonable precautions; provide reasonable cooperation, assistance, and access to authorized persons taking response activities at the property; comply with land and resource use restrictions associated with response activities; not impede the effectiveness or integrity of land and resource use restrictions implemented at the property, and comply with the Part 10 Rules. Documentation of due care evaluations and response activities needs to be available, but not submitted, to the DEQ within 8 months of becoming the owner or operator of a facility.

Submitter Information

Name of legal entity that will own or operate the property: Donald Cleveland, LLC Address: 250 North Shore Drive City: South Haven State: Michigan Zip: 49090 Contact person (Name & Title): Telephone: E-Mail:	Contact for BEA questions if different from submitter Name & Title: Erik D. Peterson – Project Manager Company: Envirologic Technologies, Inc. Address: 2960 Interstate Parkway City: Kalamazoo State: Michigan Zip:49048 Telephone(269)342-1100 E-Mail:epeterson@envirologic.com

Property Information

Street Address of Property: 720 W. Monroe Street City: Bangor State: Michigan Zip:49013 Property Tax ID (include all applicable IDs): 80-54-700-215-50 Address according to tax records, if different than above (include all applicable addresses): City: State: Zip: Status of submitter relative to the property (check all that apply): Former Current Prospective Owner ☐ ☐ ☒ Operator ☐ ☐ ☒	County: Van Buren City/Village/Township: City of Bangor Town: T2S Range: R16W Section: 12 Quarter: SE Quarter-Quarter: NW Decimal Degrees Latitude: 42°18'52.02"N Decimal Degrees Longitude: 86°07'06.36"W Reference point for latitude and longitude: Center of site ☒ Main/front door ☐ Front gate/main entrance ☐ Other ☐ Collection method: Google Earth Survey ☐ GPS ☐ Interpolation ☒

Applicable Dates (provide date for all that are relevant):	**MM/DD/YYYY**
Date All Appropriate Inquiry (AAI) Report or Phase I Environmental Assessment Report completed:	01/20/2012
Date Baseline Environmental Assessment Report conducted:	01/27/2012
Date submitter first became the owner:	NA
Date submitter first became the operator (if prior to ownership):	NA
Anticipated date of becoming the owner for prospective owners:	02/02/2012
Anticipated date of becoming the operator for prospective operators:	NA
If former owner or operator of this property, prior dates of being the owner or operator:	NA

Source of contamination at the property (check all that are known to apply):

Facility regulated under Part 201, other source, or source unknown Part 201 Site ID, if known:	☐
Leaking Underground Storage Tank regulated pursuant to Part 213 Part 211/213. Facility ID, if known:	☒
Oil or gas production and development regulated pursuant to Part 615 or 625	☐
Licensed landfill regulated pursuant to Part 115	☐
Licensed hazardous waste treatment, storage, or disposal facility regulated pursuant to Part 111	☐

Check the appropriate response to each of the following questions:

	YES	NO
1. Is the property at which the BEA was conducted a "facility" as defined by Section 20101?	☒	☐
2. Is the All Appropriate Inquiry (AAI) compliant with 40 CFR 312, or is the Phase I Environmental Assessment compliant with ASTM E1527-05?	☒	☐
3. Was the BEA, including the AAI, sampling, and analyses, conducted either prior to or within 45 days of the date of becoming the owner, operator, or of foreclosure, whichever is earliest, or within the alternate time-frames provided in Part 201 Rule 903(8) for submitters involved in oil and gas development under Part 615 or 625 property, or Rule 903(9) for property acquired through condemnation procedures?	☒	☐
4. Is this BEA being submitted to the department within 6 months of the submitter first becoming the owner or operator, or foreclosing?	☒	☐
5. Does the BEA provide sufficient rationale to demonstrate that the data are reliable and relevant to define conditions at the property at the time of purchase, occupancy, or foreclosure, even if the BEA relies on studies of data prepared by others or conducted for other purposes?	☒	☐
6. Does this BEA contain the legal description of the property addressed by the BEA?	☒	☐
7. Does this BEA contain the environmental analytical results, a scaled map showing the sample locations, and the basis for the determination that the property is a facility as defined by Section 20101(1)(f)?	☒	☐

Environmental Consultant Signature:

To the best of my knowledge and belief, this BEA and all related materials are true, accurate, and complete. The All Appropriate Inquiry (AAI) was conducted in conformance with the scope and limitations of the All Appropriate Inquiry Rule, 40 CFR 312 or a Phase I Environmental Site Assessment (Phase I) was conducted in conformance with the scope and limitations of the ASTM E1527-05. The property is a facility as defined by Section 20101(1)(r) and I have provided the sampling and analyses that support that determination. Any exceptions to, or deletions from, the All Appropriate Inquiry Rule or ASTM E1527-05 are described in the BEA report. I understand that intentionally submitting false information in a BEA is a felony and may result in fines of up to $25,000 for each violation.

Signature: Date:

Printed Name: Erik D. Peterson

Company: Envirologic Technologies, Inc.

Mailing Address: 2960 Interstate Parkway City: Kalamazoo State: Michigan Zip: 49048

Telephone: (269) 342-1100 E-Mail: epeterson@envirologic.com

Submitter Signature:

With my signature below, I certify that to the best of my knowledge and belief, this BEA and all related materials are true, accurate, and complete. I understand that intentionally submitting false information in a BEA is a felony and may result in fines of up to $25,000 for each violation.

Signature: Date: 7-2-12

Donald Cleveland

Printed Name: Donald Cleveland

Title and Relationship of signatory to submitter: Member; Donald Cleveland, LLC

Address: 250 North Shore Drive City: South Haven State: Michigan Zip: 49090

Telephone: Not Responsive E-Mail:

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1. INTRODUCTION AND DISCUSSION

A. Owner/Operator Information

Current Property Owner:

Bangor Heating & Cooling
2813 W. Main St., Suite B
Kalamazoo, Michigan 49006

B. Intended Use of Property

Donald Cleveland, LLC intends to acquire the subject property and refurbish the subject buildings to be marketed to a commercial/retail tenant. No fuel retail activities or bulk chemical storage will be conducted on the subject property in the future. No redevelopment plans involving disruption of the subsurface currently exist.

C. Phase I ESA Summary - Recognized Environmental Conditions

The following Recognized Environmental Conditions were identified as a result of the ASTM 1527-05 Phase I ESA completed on January 20, 2012:

- The subject property meets the definition of a "facility" as defined by Part 201 of NREPA.

Envirologic completed Phase II ESA activities in order to investigate the potential for impact in association with the following environmental concerns:

- The historic presence of three underground storage tanks (USTs) with dispensers removed from the site for which no assessment sampling was completed
- The presence of a steel plate on the property of unknown origin/use which may represent a potential additional UST or subsurface feature
- The identification of offsite properties of known environmental impact located proximal to the subject property

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D. Exceptions/Deletions from ASTM 1527-05

No exceptions to or deletions from the ASTM 1527-05 Phase I ESA standard have been identified.

E. zPhase I ESA Data Gaps Discussion

A data gap is the inability to obtain information within the scope of the Phase I ESA. The following data gap was encountered for the Phase I ESA:

- Provided Sanborn maps did not include coverage of the subject property.

A data failure is the absence of information typically used to complete a Phase I ESA. The following data failure was encountered for the Phase I ESA:

- Key personnel familiar with historic site operations were not identified.

Due to the availability of other data sources (e.g., aerial photographs, personal interviews) the data gap and data failure have not significantly impacted the ability of Envirologic to identify Recognized Environmental Conditions.

F. Sampling Discussion – Purpose/Methods

Envirologic completed Phase II ESA sampling activities on the subject property in December of 2011 in order to investigate the potential for impact in association with the environmental concerns. The Phase II ESA was completed in accordance with a Sampling Plan approved by the U.S. EPA prior to the initiation of field activities. The Phase II ESA consisted of the completion of a ground-penetrating radar (GPR) geophysical survey. and the installation of nine Geoprobe™ soil borings and the collection of eight soil samples and three groundwater samples. Groundwater samples were collected utilizing low-flow sampling techniques via peristaltic pump. Soil sampling for volatile organic compounds (VOCs) was completed utilizing EPA Method 5035 protocols. All subsurface sampling equipment was cleaned with a phosphate-free detergent wash, followed by a freshwater rinse and a deionized water rinse prior to and between each boring in order to prevent cross-contamination. All boring locations were backfilled with native soil.

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G. Known Contamination – Locations and Environmental Media

Phase II ESA results indicate the presence of petroleum impact to soil on the subject property in excess of Residential cleanup criteria. Specifically, ethylbenzene and 1,2,4-trimethylbenzene have been identified in soil at concentrations in excess of the Groundwater-Surface Water Interface Protection (GSIP) criteria. The detection of ethylbenzene at "facility" concentrations was limited to a soil sample collected beneath a former UST dispenser location near the southwest corner of the retail building located on the subject property (GSB-3 @ 5 ft.). The concentration of 1,2,4-trimethylbenzene at this location is also in excess of the GSIP criterion. 1,2,4-trimethylbenzene was also identified at a concentration in excess of the GSIP criterion within the former UST vault west of the retail building (GSB-7 @ 10 ft.).

Refer to Figure 2 below for sample locations and analytical results. Refer to Section 3 for further details on sampling results.

H. "Facility" Demonstration

As detailed above; ethylbenzene and 1,2,4-trimethylbenzene have been identified in soil on the subject property at concentrations in excess of Residential cleanup criteria. Specifically, the identification of the these contaminants in soil on the subject property at concentrations in excess of the Groundwater-Surface Water Interface Protection (GSIP) demonstrates that the subject property meets the definition of a "facility" as defined by Part 201 of NREPA.

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2. PROPERTY INFORMATION

A. Property Legal Description

The property subject to this BEA consists of one legal parcel. The parcel identification number and legal description, as obtained from the Van Buren County Equalization Department, are:

Parcel ID # 80-54-700-215-50 (720 W. Monroe Street)
978-A 2-16 857-537 869-355 869-354 1143-313 1220-453 1462-735,736 W 95' OF LOTS 215 & 216. A.H. MORRISON'S MAP OF THE CITY OF SOUTH BANGOR

The approximate boundary of the subject parcel is presented in the legal survey below and on Figure 1 below.

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B. Survey Map, Property Tax Identification Number(s)

The land subject to this Baseline Environmental Assessment consists of Parcel # 80-54-700-215-50 as described in the above section.

A scaled site map detailing the boundary of the parcel and tax identification number is presented as Figure 1 below.

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N

SCALE 1" = 30'

0 5 10 20 30 60

NOTE: AERIAL PHOTOGRAPHY: 2011 COLOR ORTHOPHOTO, OBTAINED FROM THE VAN BUREN COUNTY ON LINE GIS VIEWER.

NOTE:
THIS IS NOT A PROPERTY BOUNDARY SURVEY, PROPERTY BOUNDARIES SHOWN ON THIS MAP ARE BASED ON AVAILABLE FURNISHED INFORMATION AND ARE APPROXIMATE ONLY AND SHOULD NOT BE USED TO ESTABLISH PROPERTY BOUNDARY LOCATION IN THE FIELD.

COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

SITE PLAN

envirologic
environmental consulting + services
2960 INTERSTATE PARKWAY
KALAMAZOO, MICHIGAN 49048
PH: (269) 342-1100 FAX: (269) 342-4945

PROJECT NO.
110448

FIGURE No.
1

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Site Plan A

C. Site Map with Sampling Results – Figure 2

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LEGEND

GEOPROBE® SOIL BORING LOCATION

SCALE 1" = 30'

0 5 10 20 30 60

NOTE: AERIAL PHOTOGRAPHY: 2011 COLOR ORTHOPHOTO, OBTAINED FROM THE VAN BUREN COUNTY ON LINE GIS VIEWER.

NOTE:
THIS IS NOT A PROPERTY BOUNDARY SURVEY, PROPERTY BOUNDARIES SHOWN ON THIS MAP ARE BASED ON AVAILABLE FURNISHED INFORMATION AND ARE APPROXIMATE ONLY AND SHOULD NOT BE USED TO ESTABLISH PROPERTY BOUNDARY LOCATION IN THE FIELD.

COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

SITE PLAN WITH BORING LOCATIONS AND ANALYTICAL RESULTS

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environmental consulting + services
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PH: (269) 342-1100 FAX: (269) 342-4945

PROJECT NO.
110448

FIGURE No.
2

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Site Plan A

D. Location Map – Figure 3

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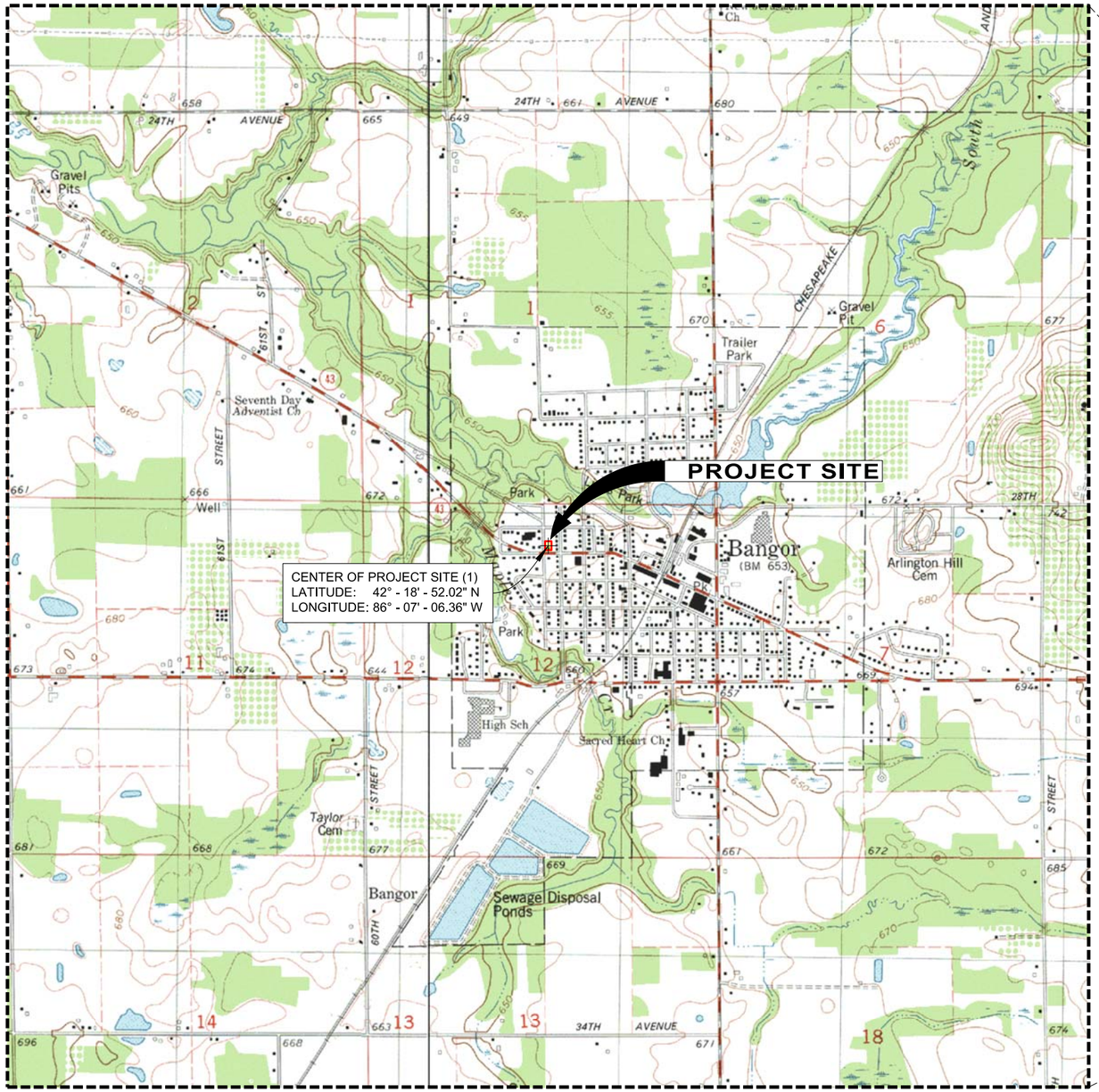
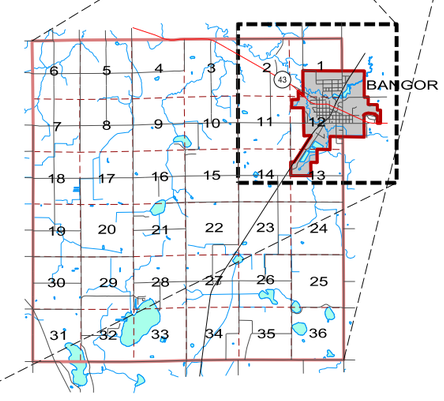


PROJECT SITE:
TAX ID No: 80-54-700-215-50
BEING IN THE NE1/4 OF THE NE1/4 OF
SECTION 12 TOWNSHIP 2 SOUTH, RANGE 16 WEST



T 2 S. R. 16 W.
BANGOR TOWNSHIP
VAN BUREN COUNTY, MICHIGAN

SOURCE: BANGOR AND McDONALD, MICHIGAN USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS
MAPTECH© U.S. TERRAIN SERIES™ ®MAPTECH©, INC. 606-433-8500

NOTES: (1) LATITUDE AND LONGITUDE AQUIRED FROM GOOGLE EARTH.
LATITUDE AND LONGITUDE ARE AT APPOXIMATE CENTER OF SITE.

N

0 500 1000 2000 4000
SCALE 1" = 2000'

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COMMERCIAL PROPERTY
720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

LOCATION MAP

PROJECT NO.
110448

FIGURE No.
3

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Location Map

E. Property Location

720 W. Monroe Street, City of Bangor, Van Buren County, Michigan. The property location is depicted on Figure 3 above.

F. Spatial Data

Table 1: Spatial Data

County	City/Village/Township	Town	Range	Section	Quarter	Quarter/Quarter	Latitude	Longitude
Van Buren	City of Bangor	2S	16W	12	SE	NW 1/4 of SE 1/4	42°18’52.02”N	86°07’06.36”W

Latitude and Longitude information obtained from Google Earth.

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3. FACILITY STATUS

A. Analytical Table

Table 2: Summary of "Facility" Contaminants

Hazardous Substance	CAS Number	Maximum Concentration	Sample Location / Depth	Media Affected
Ethylbenzene	100414	830 ug/Kg	GSB-7 @ 10 ft.	Soil
1,2,4-Trimethylbenzene	95636	1,200 ug/Kg	GSB-3 @ 5 ft.	Soil

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B. Laboratory Analytical Data Sheets and Chain of Custody

Laboratory Analytical Data Sheets and Chain of Custody documentation associated with Envirologic Phase II ESA activities appear in Appendix H of the Phase I & Phase II ESA report presented in Section 5 below.

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4. IDENTIFICATION OF THE AUTHOR OF THE BEA

The following individuals have conducted this Baseline Environmental Assessment.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Erik D. Peterson
Project Manager - Hydrogeologist
Erik D. Peterson graduated with a Bachelor of Science degree in Hydrogeology from Western Michigan University. Mr. Peterson has been HAZWOPER supervisor-certified since May of 1998, and is an accredited Asbestos Building Inspector through the Michigan Department of Consumer and Industry Services. Mr. Peterson has over 11 years of experience with Envirologic in areas of Phase I and Phase II ESAs, Baseline Environmental Assessments (BEAs), and project management.

David A. Stegink
Associate Vice President – Senior Environmental Scientist
David A. Stegink graduated from Hope College with a Bachelor of Science degree in Chemistry/Biology and has over 27 years of environmental related experience. He has been an Environmental Compliance Manager for Envirologic since 1991. Between 1984 and 1991, Mr. Stegink served as a Chemist and Operations Manager for a commercial hazardous waste treatment facility. His expertise includes transactional environmental liability, property assessments including Phase I and II ESAs, Baseline Environmental Assessments (BEAs), hazardous waste management, underground storage tanks, storm water management, and environmental policy and regulations.

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5. ASTM 1527-05 PHASE I ENVIRONMENTAL SITE ASSESSMENT

A Phase I ESA of the subject property was completed on January 20, 2012 on behalf of Donald Cleveland, LLC. The Phase I ESA was performed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Phase I ESAs (Standard E1527-05) and in conformance with the federal rule for All Appropriate Inquiry (AAI).

The Phase I ESA also includes documentation on Phase II ESA sampling activities completed in December of 2011 by Envirologic.

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PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENT

OF

COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

JANUARY 20, 2012

Prepared for:

The Van Buren County Brownfield Redevelopment Authority

On Behalf Of:

Donald Cleveland, LLC
250 North Shore Drive
South Haven, Michigan 49090

Prepared by:

ENVIROLOGIC TECHNOLOGIES, INC.
2960 Interstate Parkway
Kalamazoo, Michigan 49048
(269) 342-1100

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APPENDIX G: *User's Responsibilities Documentation (User Questionnaire)*
APPENDIX H: *Phase II ESA Documentation:*
Ground-Penetrating Radar (GPR) Geophysical Survey
TriMatrix Laboratories, Inc. Analytical Report
Data Validation Report

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PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENT
OF
COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

EXECUTIVE SUMMARY

Envirologic Technologies, Inc. (Envirologic) performed a Phase I Environmental Site Assessment (ESA) of commercial property located at 720 W. Monroe St., Bangor, Michigan (subject property). The Phase I ESA has been performed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Phase I ESAs (Standard E1527-05) and in conformance with the federal rule for All Appropriate Inquiry (AAI). Non-CERCLA issues that are not typically part of the ASTM standard scope of investigation (i.e., lead-based paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA. The Phase I ESA was conducted in support of the proposed acquisition and redevelopment of the subject property by the Donald Cleveland, LLC. This report was prepared for the exclusive use of Donald Cleveland, LLC which may rely on the report contents.

The subject property is a rectangular-shaped parcel occupying 0.3 acres of land. The subject property is developed with a 1,170-square-foot retail building and a 2,560-square-foot pole barn. The subject property was first developed for commercial purposes in approximately 1950 and has been used for multiple retail/commercial operations since that time, including: convenience/ grocery store, fuel retail, used clothing retail, and HVAC service. Two gasoline USTs and one kerosene UST historically present on site have been removed from the subject property.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 720 W. Monroe St. Bangor, Michigan, the property. Any exceptions to, or deletions from, this practice are described in the *Limitations* section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property, except:

- The subject property meets the definition of a “facility” as defined by Part 201 of NREPA.

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Petroleum impact to soil in excess of Residential cleanup criteria has been identified on the subject property in association with the former presence of a gasoline and kerosene underground storage tank system.

Envirologic will prepare a Baseline Environmental Assessment (BEA) and Section 7a Compliance Analysis on behalf of Donald Cleveland, LLC in order to obtain an exemption to remedial liability and demonstrate compliance with “due care” obligations.

Offsite Concerns

The potential for offsite activities to adversely impact the subject property has been evaluated. Multiple sites of known environmental impact are located in the vicinity of the subject property within the City of Bangor. No indications of impact from an offsite source were identified through the completion of Phase II ESA activities on the subject property. Based upon the completed assessment activities, the potential for impact from an offsite source is believed to be low.

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PHASE I AND PHASE II ENVIRONMENTAL SITE ASSESSMENT
OF
COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

INTRODUCTION

Envirologic Technologies, Inc. (Envirologic) has conducted a Phase I Environmental Site Assessment of commercial property located at 720 W. Monroe St., Bangor, Michigan (subject property). The Phase I ESA has been performed in accordance with the ASTM Standard Practice for Phase I ESAs (Standard E1527-05) and in conformance with the federal rule for All Appropriate Inquiry. Non-CERCLA issues that are not typically part of the ASTM standard scope of investigation (i.e., lead-based paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA. This Phase I ESA was conducted to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products (Recognized Environmental Conditions) and potential environmental liabilities associated with the property.

The Phase I ESA was comprised in significant part of a records review and a visual site inspection. The information gathered during the Phase I ESA was limited to that which could be reasonably ascertained from administrative sources and to visual observations made during the site inspection. Therefore, the ESA interpretations made herein are in the context of the data limitations. While Phase I ESA data is informative in nature, it is necessarily limited.

Purpose

The purpose of this assessment was to meet the requirements of All Appropriate Inquiry in support of acquisition and redevelopment of the property. Envirologic Technologies, Inc. recognizes Donald Cleveland, LLC's (the user's) reliance upon the contents of the Phase I ESA as part of the process of evaluating the environmental risks associated with the subject property.

Site Location

The subject property is located at 720 W. Monroe St., Bangor, Michigan (subject property). Specifically, the site is located within the northwest quarter of the southeast quarter of Section 12 of Township 2 South, Range 16 West, Bangor Township, Van Buren County, Michigan (refer to

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Figure 1 in Appendix A). The subject property consists of one parcel with a tax identification number of 80-54-700-215-50. The legal description, obtained from the Van Buren County Equalization Department, is as follows:

978-A 2-16 857-537 869-355 869-354 1143-313 1220-453 1462-735,736 W 95' OF LOTS 215 & 216. A.H. MORRISON'S MAP OF THE CITY OF SOUTH BANGOR

Site Description

The subject property is a rectangular-shaped parcel occupying 0.3 acres of land. The subject property is developed with a 1,170-square-foot retail building and a 2,560-square-foot pole barn. Asphalt cover is in place along with southern property boundary. The remainder of the subject property consists of landscaped lawn space and sand/gravel ground cover. A more complete description of the project site is provided in the *Site Observations* section of this report. Color photographs of the property are included as Appendix B.

Physical Setting

According to the United States Geological Survey, the subject property is at an elevation of 656 feet above mean sea level and level. The subject property consists of relatively flat land with a very slight slope to the south-southwest. The nearest major surface water body is Maple Creek, located approximately 2,000 feet west of the subject property.

The following soils were generally characterized on the subject property by Envirologic during completion of Phase II ESA boring installation activities: asphalt and grass ground cover is underlain by a well sorted dark brown silty sand present to a depth of approximately three feet below grade level (bgl); the silty sand is underlain by a firm brown clay with medium to low plasticity which persisted to a depth of approximately eight feet bgl; the silty sand is underlain by a firm gray clay with medium to high plasticity which persisted to a depth of approximately 18 feet bgl; the gray clay is underlain by a well sorted tan sand. Groundwater was encountered approximately 18 feet bgl. Based upon a review of topographic features and hydrogeologic data generated at offsite properties in the region, groundwater is anticipated to flow in a north-northwesterly direction on the subject property.

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ASSESSMENT OF PROJECT SITE

Methodology

The Phase I ESA has been performed in accordance with the ASTM Standard Practice for Phase I ESAs (Standard E1527-05). Additional non-CERCLA issues that are not typically part of ASTM standard scope of investigation (i.e., radon, wetlands, mold, vapor intrusion, lead-based paint, universal wastes) were not addressed as part of this Phase I ESA.

Data Sources

The following sources of information were utilized to assist in the environmental assessment of the subject property:

- Bangor & McDonald, Michigan USGS 7.5 Minute Topographic Quadrangles
- USDA Soil Conservation Service Soil Survey of Van Buren County, Michigan, 1978
- MDEQ Website for Environmental Liens
- User's/Seller's Questionnaire
- Environmental Radius Report for the subject property, generated December 8, 2011 by Environmental Data Resources, Inc. (EDR)
- Aerial photographs dated 1938, 1950, 1955, 1960, 1967 (scale: 1"=500') and 1974, 1992 and 1994, 1999, 2005, and 2006 (scale: approx. 1"=600') obtained from EDR
- Sanborn Fire Insurance Maps dated 1931 and 1944 obtained from EDR
- Van Buren County Plat Maps (various years) available through the City of Bangor and City of South Haven Libraries
- Review of publicly available information obtained from the following City of Bangor and Van Buren County offices:
    - Records/Building Department
    - Assessing/Zoning
    - Health Department
    - Public Works

Site-specific information obtained from personal and telephone interviews with the following people:

- Mr. Kirk McMorran –5/3 Bank Trustee; Mortgage Holder
- Ms. Dianna Kay McGrew – City of Bangor Assessor

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- Mr. Steve Lowder – City of Bangor Department of Public Works
- Mr. Derek Babcock – City of Bangor Fire Chief

Site Inspection

Mr. Erik Peterson of Envirologic conducted a site inspection of the property on December 12, 2011. All areas of the property were accessible. Weather conditions consisted of clear skies with temperatures in the mid-30s °F.

Data Gaps and Data Failures

A data gap is the inability to obtain information within the scope of the Phase I ESA. The following data gap was encountered for the Phase I ESA:

- Provided Sanborn maps did not include coverage of the subject property.

A data failure is the absence of information typically used to complete a Phase I ESA. The following data failure was encountered for the Phase I ESA:

- Key personnel familiar with historic site operations were not identified.

Due to the availability of other data sources (e.g., aerial photographs, personal interviews) the data gap and data failure have not significantly impacted the ability of Envirologic to identify Recognized Environmental Conditions.

User's Responsibilities

Ms. Coleen Daggett was interviewed on behalf of the user and a user questionnaire was completed based upon the interview (Appendix G). The user was not aware of any environmental or activity use limitations recorded against or relating to the property.

The user did not have actual knowledge of environmental liens or activity use limitations encumbering or in connection with the property.

The user provided a Risk Scan completed in connection with the subject property which identified the former presence of underground storage tanks (USTs) on the property as a concern that

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warranted additional assessment. As detailed in this report, petroleum impact at “facility” concentrations identified on the subject property has been attributed to the former presence of gasoline and kerosene USTs.

Purchase Price

A purchase price significantly less than the market value of the property may indicate contamination on the property. Donald Cleveland, LLC, through Ms. Coleen Daggett, indicated to Envirologic that the proposed purchase price represented fair market value. Therefore, the proposed purchase price does not indicate the potential for environmental impact on the subject property. As indicated, Phase II ESA results demonstrate that the subject property meets the definition of a “facility” as defined by Part 201 of NRPEA based upon the presence of petroleum impact to soil in excess of Residential cleanup criteria.

Environmental Liens and Controls

The MDEQ RRD Cost Recovery Unit website was queried regarding potential environmental liens on the subject property. According to the MDEQ website, no environmental liens were listed for the project site. The User was not aware of any institutional or engineering controls placed on the property. No such controls were identified on the tax card obtained from the City of Bangor Assessor.

Based upon the “facility” status of the subject property, appropriate “due care” obligations exist. Documentation of compliance with “due care” obligations will be maintained through the completion of a Section 7a Compliance Analysis on behalf of Donald Cleveland, LLC.

Zoning

The subject property is zoned “B-1”, Central Business District according to the City of Bangor.

Site Ownership and Use History

The site ownership and use history was developed through a review of multiple data sources (i.e., aerial photographs, public documentation). A User questionnaire was completed via telephone interview to further identify the site use history of the subject property (Appendix G). Historic plat maps for Van Buren County do not provide ownership or use history information; the subject property is simply depicted as small tract land within the City of Bangor. The 1931 Sanborn does not provide coverage of Bangor west of Alexander St. thus no ownership/use history information

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is provided. The earliest site use history information is a 1938 aerial photograph which depicts the subject property and adjacent land to the north as vacant and cleared of all vegetation. No indications of soil grading activities are evident.

City of Bangor Assessor information indicates that the 1,170-square-foot retail building was constructed in 1952. However, the 1950 aerial depicts this retail building on the subject property at that time. The remainder of the subject property is depicted as vacant land in the 1950 aerial. Increased commercial development east of the subject property is evident in the 1950 aerial relative to the 1938 photograph. Mr. Lowder of the City of Bangor reports that the subject property was historically developed as Mulac's Little Super – a general store. A historic assessor card identifies Alfred and E. B. Mulac as former owners of the subject property. The 1955 aerial photograph appears similar to the 1950 image. The 1967 and 1974 aerial photographs depict the subject property similarly to earlier images. Increased residential development north and south of the subject property and continued commercial development east of the subject property is evident during this period. Additional assessor card documentation appears to indicate that the subject property was occupied by August Rigozzi – Barber Shop in 1983.

Available MDEQ information indicates that three USTs containing gasoline and kerosene were installed on the subject property in April of 1979. The 1986 assessor card and the 1987 Johnson city directory for Bangor identifies Bangor Express as occupying the subject property. An additional historic assessor card that is not dated depicts a Marathon sign on the southern boundary of the subject property with two dispensers located south of the building, one dispenser located near the southwest corner of the building, and two apparent UST vent pipes located on the west side of the building. MDEQ correspondence indicates that all three USTs were removed from the subject property by approximately 1989. However, no documentation of the completion of assessment activities to evaluate potential environmental impact is available through the MDEQ. The lack of documentation regarding the assessment of the former tanks was identified as an environmental concern. Refer to the Phase II ESA section below for details on sampling activities conducted to investigate the former presence of USTs on the subject property.

The 1991 Johnson city directory identifies Valentine Heating & Cooling as occupying the subject property. Assessor information identifies Roger F. Valentine as the owner of the subject property at this time. Additionally, assessor information indicates that the 2,560-square-foot pole building located along the northern boundary of the subject property was constructed in 1990. The pole

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structure is evident in the 1991 and 1994 aerial photographs. Mr. Malcolm Scott acquired the subject property from Roger Valentine in October of 1997 according to assessor records. The subject property continued to be utilized in support of commercial HVAC service as Bangor Heating & Cooling under the ownership of Mr. Scott. The pole building was rebuilt in 2001 subsequent to a fire that destroyed a portion of the structure. A change in the color of the roof of the pole building is evident between the 1999 and 2005 aerial photographs.

A sign currently present on the south side of the building indicates "Once Again….Quality Children's Clothing and more," indicating that the subject property was utilized at some point in support of clothing retail. Based upon limited city directory coverage for Bangor and the available assessor documentation, the period of time during which the subject property was used for clothing retail could not be determined.

Available data sources indicate that the subject property was initially developed for commercial purposes in approximately 1950 and continued to be used for commercial operations including various retail activities. Although historic operations have included gasoline and kerosene retail, no indications that automotive service activities were ever conducted on the subject property have been identified. As indicated, the former presence of three USTs containing gasoline and kerosene was identified as an environmental concern. Refer to the Phase II ESA section below for details on activities conducted to investigate the potential for impact in association with historic site operations.

Site Observations

Erik Peterson, Project Manager with Envirologic, conducted a site inspection of the property on December 12, 2011. All areas of the property were accessible. Weather conditions consisted of clear skies with temperatures in the mid-30s °F.

Exterior

The two buildings located on the subject property occupy approximately half of the site. The retail building is located near the southwest corner of the parcel and the pole building is situated along the northern property boundary. Asphalt cover is in place south of the retail building, along W. Monroe St. The asphalt cover was observed to be in fair condition with pitting and cracking but no staining evident. Sand/gravel ground cover is present west of the buildings along the western property boundary. The remainder of the subject property consists of landscaped lawn space. A

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sign with electric service for Bangor Heating & Cooling is located in the southeast corner of the subject property.

An approximately two-by-four-foot steel plate was observed on the ground near the northwest corner of the retail building. Based upon observations made during the Phase II ESA activities, detailed below, the plate was determined to not represent a potential subsurface feature or environmental concern.

No indications of pits, ponds, lagoons, or areas of fill material were observed on the date of the site inspection. No indication of exterior chemical storage, underground storage tanks, stained ground surface, distressed vegetation, controlled substances, or improper waste disposal were observed on the date of the site inspection.

Interior

The southern portion of the retail building was observed to consist primarily of open floor space. This portion of the building contains carpet over the concrete slab. Miscellaneous items including chairs, desks, and retail display racks are staged in this portion of the building. The northern portion of the retail building consists of an office, storage area, and restroom. Shelving units containing small HVAC parts and general cleansers are present in the storage area. The concrete floor in the northern portion of the retail building was observed to be in fair condition with some staining but no significant pitting or cracking evident.

The pole building was observed to consist of a small office/storage area in the southwest corner of the structure with the remainder of the building consisting of open floor space. No floor drains were observed within the concrete floor of the pole building. The office/storage area contains shelving units with small HVAC parts and tools along with minor quantities of paints and cleaning supplies. Three Bangor Heating and Cooling vans occupy the open portions of the pole building. The north wall of the pole building is occupied with shelving units containing materials associated with HVAC operations, including: metal ductwork of various shapes and sizes, tools, and minor chemical storage. Chemical storage was observed to consist of paints, cleansers, a gasoline can, and concrete patch. The chemical containers were observed to be in good condition with no indications of leaks or spills evident. Additional shelving units and work benches are located in the southeast and northeast corners of the building.

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Although not identified as an environmental concern, Envirologic recommends that all chemical containers be removed from the subject property and properly disposed.

No Recognized Environmental Conditions were identified as a result of the site inspection.

Chemical Storage and Waste Disposal

No indications of current bulk chemical storage in association with the unoccupied property were identified at the time of the Phase I ESA site inspection. The subject property was historically utilized for various retail operations that would not have involved significant chemical storage or waste disposal. As detailed below, underground storage tanks containing gasoline and diesel fuel were historically located on site. However, no indications of historic operations that would have involved the generation of potential chemical waste, such as automotive service, have been identified.

Utilities

The subject property is currently serviced by the following utilities: natural gas provided by Consumers Energy, electricity provided by American Electric Power (AEP), municipal water, sanitary sewer, and storm sewer provided by the City of Bangor. Consumers Energy documentation indicates that natural gas was first connected to the subject property in 1953, which coincides with the initial development of the subject property.

No indications of the historic presence of septic systems or private water supply wells on the subject property were provided by the Van Buren County Environmental Health Department. However, Mr. Lowder of the City of Bangor reports that the development of the subject property pre-dates the availability of municipal sanitary sewer service for the City of Bangor. Mr. Lowder reports that it is not known if the site historically used a septic holding tank that would have been emptied as needed or if the site historically used a leach field. Based upon the retail nature of historic operations, the presumed former use of a septic system has not been identified as an environmental concern. No indications of the continued presence of a septic system or a leach field were identified through the completion of the ground-penetrating radar (GPR) survey.

Any potential remnant utility features that may be encountered in the future should be removed from the subject property and properly disposed.

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Underground Storage Tanks and Above Ground Storage Tanks

The subject property is identified as an Underground Storage Tank (UST) site with the MDEQ based upon the former presence of two gasoline USTs and one kerosene UST. A summary of MDEQ information is provided below.

Facility Information:
Facility ID:00018850
Bangor Express
720 W Monroe St, Bangor, MI 49013
Phone# : (616) 427-8464

Owner Information:
Bangor Heating & Cooling
2813 W Main St Ste 8, Kalamazoo, MI 49006

Tank ID	Tank Status	Capacity (in gallons)	Installation Date	Substance Stored	Tank Release Detection	Piping Release Detection	Piping Material	Piping Type	Construction Material	Impressed Device
1	Removed from Ground	3000	4/22/1979 12:00:00 AM	Gasoline			Galvanized Steel		Cathodically Protected Steel	No
2	Removed from Ground	1000	4/22/1979 12:00:00 AM	Gasoline			Galvanized Steel		Cathodically Protected Steel	No
3	Removed from Ground	300	4/22/1979 12:00:00 AM	Kerosene			Galvanized Steel		Cathodically Protected Steel	No

Historic photographs of the subject property available through the City of Bangor Assessor's Department indicate the former presence of two dispensers south of the retail building and a third dispenser near the southwest corner of the retail building. The historic photographs indicate the presence of UST system vent pipes on the west side of the retail building. No indications of the continued presence of USTs on the subject property were identified as a result of the completion of a GPR geophysical survey of the subject property completed in December of 2012.

As detailed in the Phase II ESA section below, the subject property is identified as a "facility" as defined by Part 201 of NREPA based upon the presence of petroleum impact that has been attributed to the former presence of USTs.

No indications of the current or historic presence of above ground storage tanks have been identified in association with the subject property.

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Polychlorinated Biphenyls (PCBs)

Envirologic evaluated the potential for PCBs-containing materials associated only with electrical and hydraulic equipment. One pole-mounted transformer is present near the southeast corner of the subject property, within the W. Monroe St. right-of-way. No labels indicating the potential PCBs-containing status of the transformer was evident. No indications of a potential fluid release such as staining or distressed vegetation was noted at the base of the transformer pole. Any remedial liability associated with a potential release from the transformers would be the responsibility of the utility provider.

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ASSESSMENT OF IDENTIFIED SITES OF CONCERN

Environmental Radius Report

Environmental Data Resources, Inc. (EDR) generated an "EDR Radius Map Report" that is provided in Appendix C. The purpose of the radius report is to identify potential and confirmed sources of contamination at or near the subject property. EDR searched and reviewed appropriate state and federal environmental databases within required radii from the subject property, in accordance with ASTM Standard E1527-05 requirements. The following state and federal environmental databases were reviewed:

- *Federal NPL—National Priority List,* high-ranking contaminated sites targeted for federal cleanup action
- *Federal CERCLIS—Comprehensive Environmental Response, Compensation, and Liability Information System,* potential uncontrolled hazardous waste sites
- *Federal NFRAP*—sites with a completed assessment under CERCLA, and for which EPA has determined that no further steps will be taken
- *Federal RCRA TSD—Resource Conservation and Recovery Act,* permitted hazardous waste treatment, storage, and disposal facilities
- *Federal RCRA COR*—hazardous waste sites undergoing corrective action under RCRA
- *Federal RCRA GEN*—generators of hazardous waste
- *Federal ERNS—CERCLA Emergency Response Notification System,* sites where EPA has conducted emergency response actions for hazardous substance releases
- *State Sites—State Priorities List, Part 201 Sites,* sites subject to reporting and remediation under Michigan's Part 201 of Act 451
- *State SWL—Solid Waste Facilities,* active and inactive solid waste facilities
- *State LUST—Leaking Underground Storage Tank,* sites with confirmed releases from underground storage tank systems
- *State UST/AST—Underground/Above Ground Storage Tank,* sites with registered underground or above storage tanks
- And other reasonably ascertainable publicly available databases. Refer to Appendix C for a full list of all databases.

The majority of the sites were identified through the report as former (closed) sites of contamination or as sites that are listed simply due to the presence of regulated substances or wastes (e.g., UST site, RCRA Generator sites, etc.).

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Envirologic requested and reviewed file information for the following selected sites based upon the nature of their database listing and/or proximity to the subject property:

Bangor Express (Subject Property) 720 W. Monroe St. Bangor, MI	UST
Gary Gruetzmacher/Jerry's Garage (< 1/8 Mile East) 600 W. Monroe St. Bangor, MI	UST, LUST RCRA-CESQG
DL Miller Funeral Home, Inc. (1/4 – 1/2Mile ESE) 258 W. Monroe St. Bangor, MI	UST, LUST BEA
Ghorta Brothers LLC (1/4 – 1/2Mile ESE) 204 W. Monroe St. Bangor, MI	UST, LUST

Environmental History of Identified Sites

Bangor Express

The subject property appears in the UST database due to the former presence of three tanks: 3,000-gallon gasoline, 1,000-gallon gasoline, and 300-gallon kerosene (MDEQ Facility ID # 00018850). The tanks were reportedly installed in 1979, and based upon available documentation the tanks were removed in approximately 1989. No indications of the continued presence of USTs on the subject property were identified as a result of the GPR geophysical survey completed in December of 2012. The presence of petroleum impact on the subject property has been attributed to the former presence of USTs on the site. As indicated, the "facility" status of the subject property has been identified as a Recognized Environmental Condition.

Gary Gruetzmacher/Jerry's Garage

Gary Gruetzmacher is identified as an "open" Leaking Underground Storage Tank (LUST) site with the MDEQ based upon a release reported in July of 1991 during the removal of tanks from the site. The Gary Gruetzmacher property is identified as a "closed" UST site due to the former presence of a 5,000-gallon gasoline tank, a 3,000-gallon gasoline tank, and a 2,000-gallon tank with unknown contents. Release response activities have been conducted by EE & Lab Services, including a Phase II Hydrogeologic study completed in November of 1994. The available documentation indicates that approximately 577 cubic yards of impacted soil has been excavated

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and removed from the site. Groundwater flow direction on the site has been reported to the west-southwest. The extent of groundwater impact has not been defined in association with the release. However, the available hydrogeologic data has not identified groundwater impact beneath Alexander St., which is located east of the subject property.

Based upon the reported groundwater flow direction in the region, the potential for impact from offsite sources was identified as an environmental concern. However, no indications of impact from an offsite source were identified as a result of Phase II ESA activities.

The 600 Monroe St. site also appears in the RCRA-Conditionally Exempt Small Quantity Generator database. The RCRA-CESQG status is associated with automotive service activities conducted onsite. No violations in association with the RCRA-CESQG status are presented in the EDR report.

Based upon the available documentation and Phase II ESA results detailed below, the potential for the Gary Gruetzmacher/Jerry's Garage site to impact the subject property is believed to be low.

DL Miller Funeral Home, Inc.

The DL Miller Funeral Home appears as a "closed" UST site due to the former presence of one 3,000-gallon gasoline UST and two 1,000-gallon gasoline USTs removed from the property in September of 2010. The DL Funeral Home appears as an "open" LUST site due to a release of gasoline reported at the time of UST removal. The DL Miller Funeral Home site also appears in the Baseline Environmental Assessment (BEA) database in association with a BEA completed by Prism Environmental in November of 2010. The BEA details the presence of petroleum impact to soil within the former UST vault of the DL Miller site. Groundwater was reportedly not encountered during the completion of assessment activities. Based upon the lack of identified groundwater impact along with the distance to the subject property, the potential for the DL Miller site to impact the subject property is believed to be low.

Ghorta Brothers LLC

Ghorta Brothers LLC appears as an "open" UST site due to the former presence of five 4,000-gallon gasoline USTs removed from the property in May of 1999, and the continued presence of four 4,000-gallon gasoline USTs installed in June of 1999. Ghorta Brothers LLC appears as an "open" LUST site due to three separate gasoline releases from April and November of 1994 and June of 1995. Release response activities conducted by Wightman include a Progress Report

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completed in July of 2009. The Progress Report indicates that 635 cubic yards of impacted soil and 580 gallons of impacted water have been removed from the site. The groundwater flow direction on the Ghorta site has been reported to vary between northeast and northwest. The reported groundwater flow direction indicates the Ghorta site is located hydraulically side-gradient or downgradient of the subject property. Based upon the reported groundwater flow direction and Phase II ESA results detailed below, the potential for the Ghorta site to impact the subject property is believed to be low.

Orphan Sites

Eight orphan sites are listed in the radius report. These sites are not mapped due to incomplete address information. Envirologic reviewed the orphaned sites, and based on local knowledge, identified their approximate location. Given their distance to the project site and/or the nature of the database listing, the potential for the identified offsite properties to impact the subject property is believed to be low.

Observations of Adjacent Properties

The subject property was observed to be situated within an area of mixed commercial and residential development. Private residences are located north and south of the subject property. Private residences and Bangor Plastics, Inc. are located northwest of the subject property. Private residences and the Car Care Center are located southwest of the subject property. A private residence is located immediately east of the subject property. Commercial development east of Alexander St. includes Phil's Auto Repair and Jerry's Garage. Commercial development southeast of the subject property includes Do It Best hardware and a vacant building identified as U.S. Die Casting.

No indications of bulk chemical storage or conspicuous environmental concerns were noted in association with adjacent offsite properties. Similarly, aerial photographs, city directories, and historical plat maps did not indicate any other current or historic Recognized Environmental Conditions on the adjoining properties.

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

Envirologic performed Phase II ESA activities in order to investigate the potential for impact to the subject property in association with historic site operations as well as the presence of offsite properties of known environmental impact. The Phase II ESA consisted of the completion of a GPR geophysical survey and the installation of nine Geoprobe™ soil borings for the collection of soil and groundwater samples. The Phase II ESA was completed in accordance with a Sampling Plan approved by the U.S. EPA prior to the initiation of field activities. Refer to Figure 2, Appendix A for a site plan detailing boring locations.

Soil sampling for volatile organic compounds (VOCs) was completed utilizing EPA Method 5035 protocols. All subsurface sampling equipment was cleaned with a phosphate-free detergent wash, followed by a freshwater rinse and a deionized water rinse prior to and between each boring in order to prevent cross-contamination. All boring locations were backfilled with native soil.

Groundwater samples were collected via a peristaltic pump from either temporary groundwater monitoring wells constructed of one-inch PVC with a five-foot screened interval set to straddle the water table or a temporary screen point-sample with a four-foot screened interval set to straddle the water table. Groundwater samples were collected subsequent to monitoring stabilization of purge water for temperature, pH, and conductivity, as measured by an Oakton portable waterproof pH/CON 300 Meter. Due to the observed turbidity, the groundwater sample for metals analyses was field filtered and dissolved metals concentrations were reported.

Soils encountered by Envirologic were generally characterized as inter-bedded lenses of well-sorted dark brown silty sand, well-sorted brown sand, firm brown clay with medium to low plasticity and soft gray clay with high plasticity. Groundwater was encountered approximately 18 feet below ground level (bgl).

Ground Penetrating Radar (GPR) Geophysical Survey

A GPR geophysical survey was completed across all exterior portions of the subject property on December 28, 2011. The geophysical survey report is presented in Appendix H. No indications of the continued presence of USTs on the subject property were identified as a result of the GPR survey. The GPR survey did indicate the presence of disturbed soils consistent with a potential former UST vault on the west side of the retail building. This result is consistent with historic

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photographs indicating the presence of vent pipes and a dispenser on the west side of the retail building.

Although no indications of the continued presence of tanks were identified, the GPR result did indicate the potential continued present of remnant piping extending from the former dispenser area south of the retail building and trending northwest toward the former UST vault area. Additionally, a piece of scrap steel was identified near the southwest corner of the retail building; the location of a former UST dispenser. Envirologic recommends that any potential remnant UST system piping or debris that might be encountered in the future be removed from the subject property and properly disposed.

Geoprobe™ Boring Installation

Envirologic completed Geoprobe™ boring installation activities on December 28, 2011. Nine Geoprobe™ soil borings were installed across the subject property for the characterization of subsurface conditions and the collection of soil/groundwater samples. A summary of the boring installation activities is presented below.

Former Dispenser Locations

Boring GSB-1 and GSB-2were installed within former dispenser locations south of the retail building as detailed in historic photographs and evident by asphalt patching. Boring GSB-1 was installed to a depth of 20 feet bgl and boring GSB-2 was installed to a depth of 10 feet bgl. No indications of impact (visual, olfactory, photo-ionization detector (PID) responses) were noted during boring installation. Based upon the lack of indications of impact, a soil sample was collected four feet bgl from borings GSB-1 and GSB-2. The sample depth was selected in order to characterize subsurface conditions at a depth consistent with the typical base of dispenser piping. Additionally, a groundwater sample was also collected from location GSB-1. The groundwater sample was collected from the screened interval of 16-21 feet bgl. No indications of impact were noted during collection of the groundwater sample.

Boring GSB-3 was installed at the southwest corner of the retail building in association with a third historic dispenser location. The boring was installed to a depth of 10 feet bgl. A petroleum odor and a PID response of 64.2 ppmv were noted in association with a lens of damp sandy soil encountered five feet bgl. Based upon the field observations, a soil sample was collected five feet

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bgl from boring GSB-3. Indications of petroleum impact did not extend to a gray clay encountered approximately 7.5 feet bgl.

Former Underground Storage Tanks

Borings GSB-4, GSB-5, GSB-6, and GSB-7 were installed within sand/gravel ground cover west of the retail building. The boring locations were selected based upon the GPR survey results along with historic photographs of the site. Boring GSB-4 was installed to a depth of 21 feet bgl while borings GSB-5, GSB-6, and GSB-7 were installed to a depth of 10 feet bgl.

Soil staining, an apparent petroleum odor, and a PID response of 49.7 ppmv was noted in a one-foot-thick sand lens encountered approximately 10 feet bgl at boring GSB-4. Based upon the field observations a soil sample was collected 10 feet bgl from boring GSB-4. The sample depth is also consistent with the depth at which the base of a 3,000-gallon tank might be encountered. The staining and petroleum odor did not persist beyond a depth of approximately 12 feet bgl. In addition to the soil sample, a groundwater sample was collected from a temporary screen point sampler with a four-foot screened interval set to straddle the water table at a depth of 17 to 21 feet bgl. No indications of groundwater impact (odor, sheen) were noted during collection of the groundwater sample.

No indications of impact (visual, olfactory, PID responses) were noted during installation of borings GSB-5 and GSB-6. Based upon the lack of indications of impact, a soil sample was collected 10 feet bgl from borings GSB-5 and GSB-6. The sample depth was selected based upon observations at location GSB-4 and also to characterize subsurface conditions at a depth consistent with the typical base of a 3,000-gallon UST.

Boring GSB-7 was installed northwest of location GSB-3 and southeast of location GSB-4, based upon observations of impact noted at these locations along with the lack of indications of impact at locations GSB-5 and GSB-6. Boring GSB-7 was installed to a depth of 10 feet bgl. A slight petroleum odor and a PID response of 108.3 ppmv was noted in association with silty soils encountered eight feet bgl at this location. Indications of apparent petroleum impact did not extend beyond approximately nine feet bgl at location GSB-7. Based upon the field observations a soil sample was collected eight feet bgl at location GSB-7.

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Steel Plate

Boring GSB-9 was installed adjacent to an approximately two-by-four-foot steel plate located north of the retail building and south of the pole building. The presence of this steel plate was initially identified as a potential concern during the Phase I ESA based upon the potential that this plate represented the presence of a subsurface feature. Upon removal the plate was determined to be resting on the ground surface with no void/feature beneath the plate. Boring GSB-9 was installed to a depth of five feet bgl within the footprint of area where the plate was located. No indications of impact (visual, olfactory, PID responses) were noted during installation of boring GSB-9. Based upon the field observations no samples for laboratory analysis were collected from location GSB-9.

Offsite Properties

Boring GSB-8 was installed proximal to the eastern boundary of the site in order to characterize groundwater conditions relative to offsite properties of known environmental impact located hydraulically side-gradient or up-gradient to the subject property. The boring was installed to a depth of 22 feet bgl. No indications of impact (visual, olfactory, PID responses) were noted during installation of boring GSB-8. A groundwater sample was collected from the screened interval of 17.5-21.5 feet bgl. No indications of groundwater impact (odor, sheen) were noted during collection of the groundwater sample.

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LABORATORY ANALYTICAL RESULTS

The collected soil and groundwater samples were submitted to TriMatrix Laboratories, Inc. of Grand Rapids, Michigan for laboratory analysis. The sample containers were placed into a chilled cooler for transportation to the laboratory using standard chain-of-custody procedures. The samples associated with the former gasoline and diesel UST systems were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), trimethylbenzene isomers (TMBs), ethylene dibromide, 1,2-dichloroethane, PNAs, and lead. The sample collected in association with offsite properties of known impact were analyzed for a broad range of volatile organic compounds (VOCs 8260+), PNAs, and lead. Due to the high turbidity noted during groundwater sampling and purging, the groundwater samples for metals analyses were field-filtered and dissolved metals concentrations were reported. The laboratory analytical report and a copy of the chain of custody are presented in Appendix H.

A summary of the soil analytical results along with a comparison to Residential cleanup criteria is presented as Table 1. A summary of the groundwater analytical results along with a comparison to Residential cleanup criteria is presented as Table 2.

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Table 1: Summary of Soil Analytical Results and Comparison to Residential Cleanup Criteria

Compound	Statewide Default Background Levels	Drinking Water Protection Criteria	Direct Contact Criteria	GW Contact Protection Criteria	Groundwater Surface Water Interface Protection (GSIP) Criteria	Soil Vol. to Indoor Air Inhalation Criteria	Infinite Source Volatile Soil Inhalation Criteria	Particulate Soil Inhalation Criteria	GSB-1 @ 4 ft.	GSB-2 @ 4 ft.	GSB-3 @ 5 ft.	GSB-4 @ 10 ft.	GSB-5 @ 10 ft.	GSB-6 @ 10 ft.	GSB-7 @ 8 ft.	GSB-7 @ 10 ft.
VOLATILE ORGANIC COMPOUNDS																
Benzene	NA	100	180,000	220,000	4,000	1,600	13,000	3.8E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Toluene	NA	16,000	250,000	250,000	5,400	250,000	2.8E+6	2.7E+10	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Ethylbenzene	NA	1,500	140,000	140,000	360	87,000	720,000	1.0E+10	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**830**
Xylenes	NA	5,600	150,000	150,000	820	150,000	4.6E+7	2.9E+11	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
1,2,4-trimethylbenzene	NA	2,100	110,000	110,000	570	110,000	2.1E+7	8.2E+10	<RL	<RL	**1,200**	<RL	<RL	<RL	<RL	**790**
1,3,5-trimethylbenzene	NA	1,800	94,000	94,000	1,100	94,000	1.6E+7	8.2E+10	<RL	<RL	**440**	<RL	<RL	<RL	<RL	**590**
1,2-EDB	NA	20	92	500	110	670	1,700	1.4E+7	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
1,2-DCA	NA	100	91,000	380,000	7,200	2,100	6,200	1.2E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
POLYNUCLEAR AROMATIC HYDROCARBONS																
Naphthalene	NA	35,000	1.6E+7	2.1E+6	730	250,000	300,000	2.0E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**420**
2-methylnaphthalene	NA	57,000	8.1E+6	5.5E+6	4,200	2.7E+6	1.5E+6	6.7E+8	<RL	<RL	<RL	<RL	<RL	<RL	<RL	**380**
All Other PNAs	NA	NA	NA	NA	NA	NA	NA	NA	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
METALS																
Lead	21,000	700,000	400,000	ID	(G,X)	NLV	NLV	1.0E+8	**9,800**	**1,900**	**4,100**	**8,400**	**8,600**	**6,800**	**13,000**	**7,400**

Notes:

1. All sample results in µg/kg (parts per billion)

2. Result bolded and underlined where detected, bolded, underlined and shaded where exceeding applicable cleanup criteria

3. NA = Not Applicable or Not Analyzed, NLV = Not likely to volatilize, <RL = Not identified above Reporting Limit and/or Method Detection Limit

4. G = GSI Protection criterion depends on pH or water hardness or both of the receiving surface water, X = The GSI Protection criterion is not protective for surface water that is used as a drinking water source

5. Cleanup Criteria from Rule 299.5706a of Part 201, March 25, 2011

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Table 2: Summary of Groundwater Analytical Results and Comparison to Residential Cleanup Criteria

Compound	Drinking Water Criteria	Groundwater Contact Criteria	Groundwater Surface Water Interface (GSI) Criteria	Groundwater Vol. to Indoor Air Inhalation Criteria	GSB-1 @ 16-21 ft.	GSB-4 @ 17-21 ft.	GSB-8 @ 17.5-21.5 ft.
VOLATILE ORGANIC COMPOUNDS							
All VOCs	NA	NA	NA	NA	<RL	<RL	<RL
POLYNUCLEAR AROMATIC HYDROCARBONS							
All PNAs	NA	NA	NA	NA	<RL	<RL	<RL
METALS							
Lead	4.0	ID	(G,X)	NLV	<RL	<RL	NA

Notes:
1. All sample results in µg/L (parts per billion)
2. Result **bolded** and <u>underlined</u> where detected, **bolded**, <u>underlined</u> and shaded where exceeding applicable cleanup criteria
3. NA = Not Applicable or Not Analyzed, NLV = Not likely to volatilize, <RL = Not identified above Reporting Limit and/or Method Detection Limit
4. G = GSI Protection criterion depends on pH or water hardness or both of the receiving surface water, X = The GSI Protection criterion is not protective for surface water that is used as a drinking water source
5. Cleanup Criteria from Rule 299.5706a of Part 201, March 25, 2011

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A review of Table 1 indicates that select VOCs were identified above Residential cleanup criteria in soil samples collected in association with the former dispenser location near the southwest corner of the retail building and the former UST vault area west of the retail building. Specifically, 1, 2, 4-trimethylbenzene was identified above the Groundwater Surface Water Interface Protection (GSIP) criterion at locations GSB-3 and GSB-7. Additionally, ethylbenzene was also identified at a concentration in excess of the GSIP at location GSB-7. The polynuclear aromatic hydrocarbons naphthalene and 2-methylnaphthalene were identified above reporting limits but below Residential Cleanup Criteria at location GSB-7. The reported concentrations of lead identified in all soil samples are below state-wide default background levels.

A review of Table 2 indicates that no contaminants of concern were identified above reporting limits in the groundwater samples collected on the subject property.

Based upon the identification of select contaminants in soil on the subject property in excess of Residential Cleanup Criteria, the subject property meets the definition of a “facility” as defined by Part 201 of the Natural Resource and Environmental Protection Act (NREPA).

No concerns for unacceptable human health exposures relative to the “facility” contaminants have been identified based upon the fact that the only Residential cleanup criteria exceeded were GSIP criteria, which are protective of aquatic wildlife and not relevant to a human health exposure.

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CONCLUSIONS AND RECOMMENDATIONS

Identification of potential environmental concerns at the project site has been limited to those items that may be administratively determined within the scope of this project. Envirologic has performed the Phase I ESA in accordance with the ASTM Standard Practice E1527-05 for commercial property located at 720 W. Monroe St., Bangor, Michigan. Additional non-CERCLA issues that are not typically part of the ASTM standard scope of services (i.e., lead-based paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA investigation.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 720 W. Monroe St., Bangor, Michigan, the property. Any exceptions to, or deletions from, this practice are described in the *Limitations* section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property; except:

- The subject property meets the definition of a "facility" as defined by Part 201 of NREPA.

Petroleum impact to soil in excess of Residential cleanup criteria has been identified on the subject property in association with the former presence of a gasoline and kerosene underground storage tank system.

Envirologic will prepare a Baseline Environmental Assessment and Section 7a Compliance Analysis on behalf of Donald Cleveland, LLC in order to obtain an exemption to remedial liability and demonstrate compliance with "due care" obligations.

Offsite Concerns

The potential for offsite activities to adversely impact the subject property has been evaluated. Multiple sites of known environmental impact are located in the vicinity of the subject property within the City of Bangor. No indications of impact from an offsite source were identified through the completion of Phase II ESA activities on the subject property. Based upon the completed assessment activities, the potential for impact from an offsite source is believed to be low.

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FEDERAL BROWNFIELD AMENDMENTS TO CERCLA

The Small Business Liability Relief and Brownfields Revitalization Act of 2002 amended the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to provide liability limitations for certain landowners. The due diligence effort completed by Envirologic was designed, in part, to meet the requirements that allow landowners to qualify for those protections.

Where no contamination has been evident, the completion of "all appropriate inquiry" was intended to help qualify a landowner as either an "innocent landowner" and/or a "contiguous property owner" with respect to liabilities that may be discovered in the future.

Where contamination has been discovered, the effort was also designed to partly establish a landowner as a "Bona Fide Prospective Purchaser" (one of the requirements is a demonstration that the landowner is not affiliated with any liable party and is beyond the scope of Envirologic's services). To qualify as a "Bona Fide Prospective Purchaser", the landowner must also:

1. comply with any land use restrictions,
2. not impede the effectiveness of integrity of any institutional control,
3. take reasonable steps to stop continuing releases, prevent future releases, and prevent or limit human and environmental exposures to hazardous substances,
4. provide cooperation, access, and assistance to persons authorized to conduct response actions,
5. comply with information requests, and
6. provide any legally required notices.

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LIMITATIONS

A Phase I ESA represents an attempt to perform an appropriate, particular, and reasonable inquiry consistent with good commercial and customary practice. The Phase I ESA is by necessity a limited investigation. It is not possible to address all past or present land uses and/or site practices that may have affected the quality of the local environment. However, in the professional opinion of Envirologic Technologies, Inc., an appropriate level of inquiry has been made into the previous ownership and uses of the property consistent with good commercial and customary practice in an effort to minimize liability. Interpretations of information provided in this report should be made with respect to the limitations and availability of the data. The results and conclusions of this study do not insure, warrant, or represent that there are no additional environmental issues that might be discovered if additional subsurface investigations were to be undertaken.

Additional non-CERCLA issues that are not typically part of the ASTM standard scope of services (i.e., asbestos, lead-based paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA investigation.

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QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The following individuals have conducted this Phase I ESA in accordance with the All Appropriate Inquiry Rule 40 CFR Part 312 and are Environmental Professionals.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Erik D. Peterson
Project Manager - Hydrolgeologist
Erik D. Peterson holds a Bachelor of Science degree in Hydrogeology from Western Michigan University. Mr. Peterson has been HAZWOPER supervisor certified since May of 1998. Mr. Peterson is an accredited Asbestos Building Inspector through the Michigan Department of Consumer and Industry Services. Mr. Peterson has over 11 years of experience with Envirologic in the areas of Phase I and Phase II ESAs, Baseline Environmental Assessments (BEAs), and project management.

David A. Stegink
Associate Vice President – Senior Environmental Scientist
David A. Stegink graduated from Hope College with a Bachelor of Science degree in Chemistry/Biology and has over 27 years of environmental related experience. Mr. Stegink has served as Environmental Compliance Manager for Envirologic since 1991. Between 1984 and 1991, He served as a Chemist and Operations Manager for a commercial hazardous waste treatment facility. His expertise includes transactional environmental liability, property assessments including Phase I and II ESAs, baseline environmental assessments (BEAs), hazardous waste management, underground storage tanks, storm water management, and environmental policy and regulations.

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APPENDIX A

SITE FIGURES

Figure 1: Location Map
Figure 2: Site Plan

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LEGEND

GEOPROBE® SOIL BORING LOCATION

N

SCALE 1" = 30'

0 5 10 20 30 60

NOTE: AERIAL PHOTOGRAPHY: 2011 COLOR ORTHOPHOTO, OBTAINED FROM THE VAN BUREN COUNTY ON LINE GIS VIEWER.

NOTE:
THIS IS NOT A PROPERTY BOUNDARY SURVEY, PROPERTY BOUNDARIES SHOWN ON THIS MAP ARE BASED ON AVAILABLE FURNISHED INFORMATION AND ARE APPROXIMATE ONLY AND SHOULD NOT BE USED TO ESTABLISH PROPERTY BOUNDARY LOCATION IN THE FIELD.

COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

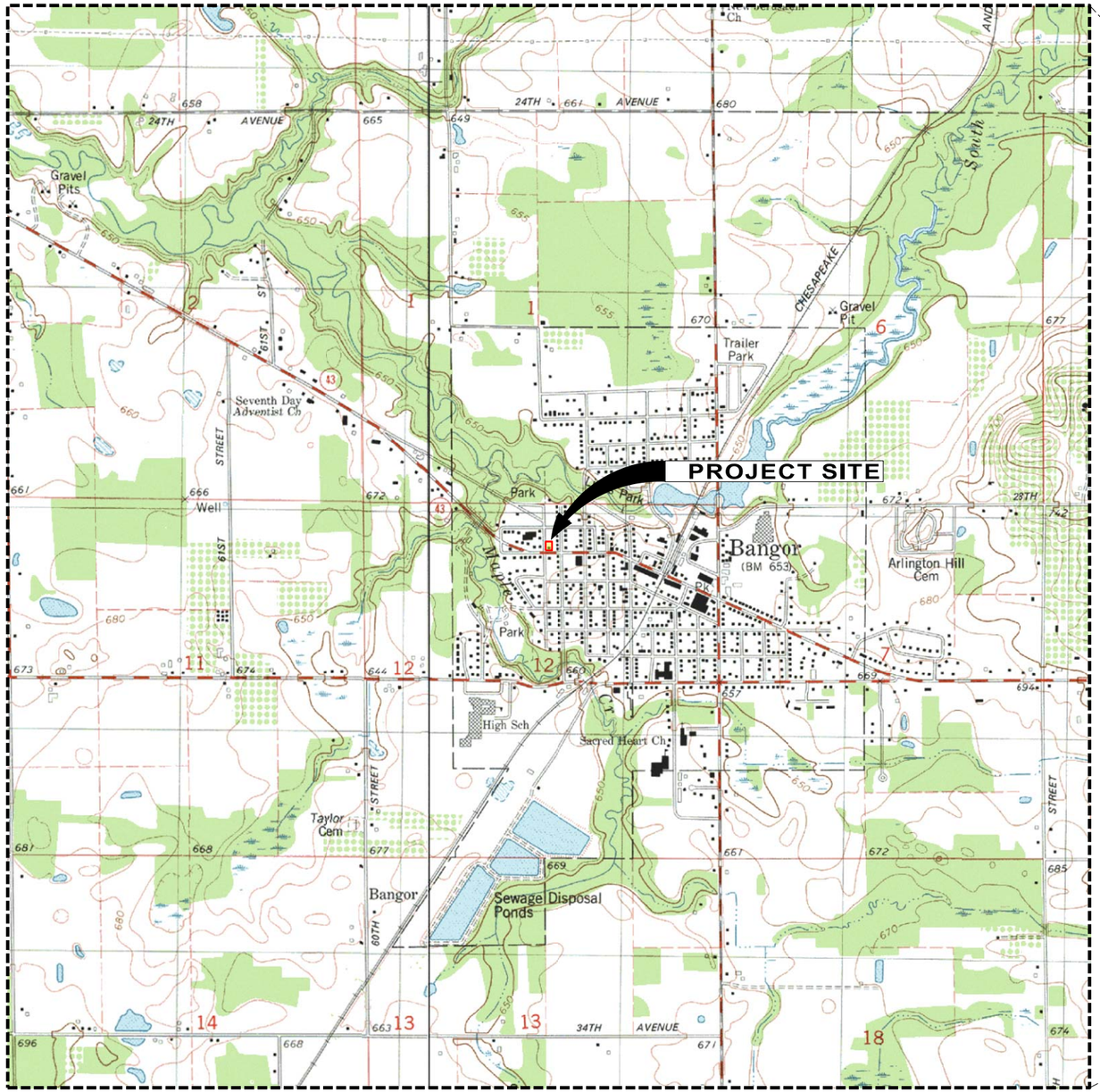
SITE PLAN

envirologic
environmental consulting + services
2960 INTERSTATE PARKWAY
KALAMAZOO, MICHIGAN 49048
PH: (269) 342-1100 FAX: (269) 342-4945

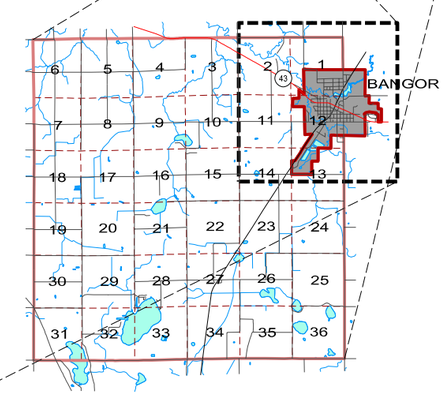
PROJECT NO.
110448

FIGURE No.
2

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Site Plan A



SOURCE: BANGOR AND McDONALD, MICHIGAN USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS
MAPTECH© U.S. TERRAIN SERIES™ ®MAPTECH©, INC. 606-433-8500



T 2 S. R. 16 W.
BANGOR TOWNSHIP
VAN BUREN COUNTY, MICHIGAN

N

0 500 1000 2000 4000
SCALE 1" = 2000'

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environmental consulting + services
2960 INTERSTATE PARKWAY
KALAMAZOO, MICHIGAN 49048
PH: (269) 342-1100 FAX: (269) 342-4945

COMMERCIAL PROPERTY

720 WEST MONROE STREET
BANGOR, MICHIGAN 49013

LOCATION MAP

PROJECT NO.
110448

FIGURE No.
1

110448 VBCBRA File: 110448_Site_Plan.dgn Model: Location Map

APPENDIX B

SITE PHOTOGRAPHS

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Photos Taken 12/12/11
By Erik D. Peterson

Subject property facing northeast

Subject property facing north

Western property boundary facing north

Southern property boundary facing east

Subject property facing northwest

Main building – sales floor

Main building - service area

Pole barn interior

Pole barn interior

Pole barn interior

Pole barn interior

APPENDIX C

ENVIRONMENTAL RADIUS REPORT

© envirologic

720 W. Monroe Street
720 W. Monroe Street
Bangor, MI 49013

Inquiry Number: 3221084.2s
December 08, 2011

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	42
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
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Physical Setting Source Records Searched	A-80

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

720 W. MONROE STREET
BANGOR, MI 49013

COORDINATES

Latitude (North):	42.314200 - 42˚ 18' 51.1''
Longitude (West):	86.117900 - 86˚ 7' 4.4''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	572695.2
UTM Y (Meters):	4684825.0
Elevation:	656 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42086-C1 BANGOR, MI
Most Recent Revision:	1981
West Map:	42086-C2 MCDONALD, MI
Most Recent Revision:	1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BANGOR EXPRESS 720 W MONROE ST BANGOR, MI 49013	UST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ..... Aboveground Tanks

EXECUTIVE SUMMARY

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

AUL..... Engineering and Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Facilities
HIST LF..... Inactive Solid Waste Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
DEL SHWS..... Delisted List of Contaminated Sites
CDL..... Clandestine Drug Lab Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision

EXECUTIVE SUMMARY

UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
UIC	Underground Injection Wells Database
WDS	Waste Data System
DRYCLEANERS	Drycleaning Establishments
NPDES	List of Active NPDES Permits
AIRS	Permit and Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE	Financial Assurance Information Listing
COAL ASH DOE	Sleam-Electric Plan Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH	Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System

contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LANGLOTZ BARNEY FARM	CENTER ST	ENE 1/4 - 1/2 (0.479 mi.)	24	38

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BANGOR INDUSTRIES INC	***101 RICHARD BEER MEMORI***	***E 1/4 - 1/2 (0.459 mi.)***	***E17***	***25***

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JERRYS GARAGE	***600 W MONROE ST***	***E 0 - 1/8 (0.072 mi.)***	***A3***	***8***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BANGOR PLASTICS INC	***809 WASHINGTON ST***	***NW 0 - 1/8 (0.092 mi.)***	***4***	***10***

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 10/31/2011 has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GANS Facility Status: Evaluation conducted	104 CHARLES STREET	ESE 1/4 - 1/2 (0.421 mi.)	14	23

Lower Elevation	Address	Direction / Distance	Map ID	Page
FREESTONE PICKLE COMPANY Facility Status: Inactive - no actions taken to address contamination	598 N. CENTER STREET	ENE 1/4 - 1/2 (0.458 mi.)	D16	25
W.L. HAMILTON Facility Status: Interim Response conducted	327 N. CENTER ST.	ESE 1/4 - 1/2 (0.469 mi.)	F23	38

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 10/01/2011 has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GARY GRUETZMACHER Facility Status: Open	***600 W MONROE ST***	***E 0 - 1/8 (0.072 mi.)***	***A2***	***7***
D L MILLER FUNERAL HOME INC Facility Status: Open	***258 W MONROE ST***	***ESE 1/4 - 1/2 (0.327 mi.)***	***B6***	***13***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GHORTA BROTHERS LLC Facility Status: Open Facility Status: Open **Additional key fields are available in the Map Findings section*	***204 W MONROE ST***	***ESE 1/4 - 1/2 (0.369 mi.)***	***C10***	***16***
ARLINGTON LIFT STATION Facility Status: Closed	501 W ARLINGTON	SSE 1/4 - 1/2 (0.394 mi.)	11	20
EMMERT TRANSFER INC Facility Status: Closed	***111 PINE ST***	***E 1/4 - 1/2 (0.410 mi.)***	***12***	***20***
B.B.C.G FIRE DIST Facility Status: Closed	***417 W ARLINGTON ST***	***SSE 1/4 - 1/2 (0.412 mi.)***	***13***	***22***
CITY OF BANGOR Facility Status: Closed	***14 PINE ST***	***E 1/4 - 1/2 (0.449 mi.)***	***15***	***23***

Lower Elevation	Address	Direction / Distance	Map ID	Page
H W FREESTONE CO Facility Status: Closed	***610 N CENTER ST***	***ENE 1/4 - 1/2 (0.460 mi.)***	***D19***	***34***
STORE & DIST PETROLEUM PROD Facility Status: Open	***3 W MONROE ST***	***ESE 1/4 - 1/2 (0.466 mi.)***	***F20***	***35***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 10/01/2011 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GARY GRUETZMACHER	***600 W MONROE ST***	***E 0 - 1/8 (0.072 mi.)***	***A2***	***7***

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MI DEPT/STATE POLICE	305 HAMILTON ST	SSE 1/8 - 1/4 (0.222 mi.)	5	12

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 08/29/2011 has revealed that there are 7 BEA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DL MILLER FUNERAL HOME, INC.	258 W. MONROE STREET	ESE 1/4 - 1/2 (0.327 mi.)	B7	15
PROPOSED FAMILY DOLLAR PROPERT	208 N. CENTER STREET	ESE 1/4 - 1/2 (0.499 mi.)	25	41

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROEKHUIZEN PRODUCE	204 N. PARK STREET	SW 1/4 - 1/2 (0.352 mi.)	8	15
MONROE (215) STREET, WEST	215 WEST MONROE STREET	ESE 1/4 - 1/2 (0.360 mi.)	C9	16
DU-WEL BANGOR	101 RICHARD BEER MEMORI	E 1/4 - 1/2 (0.459 mi.)	E18	34

EXECUTIVE SUMMARY

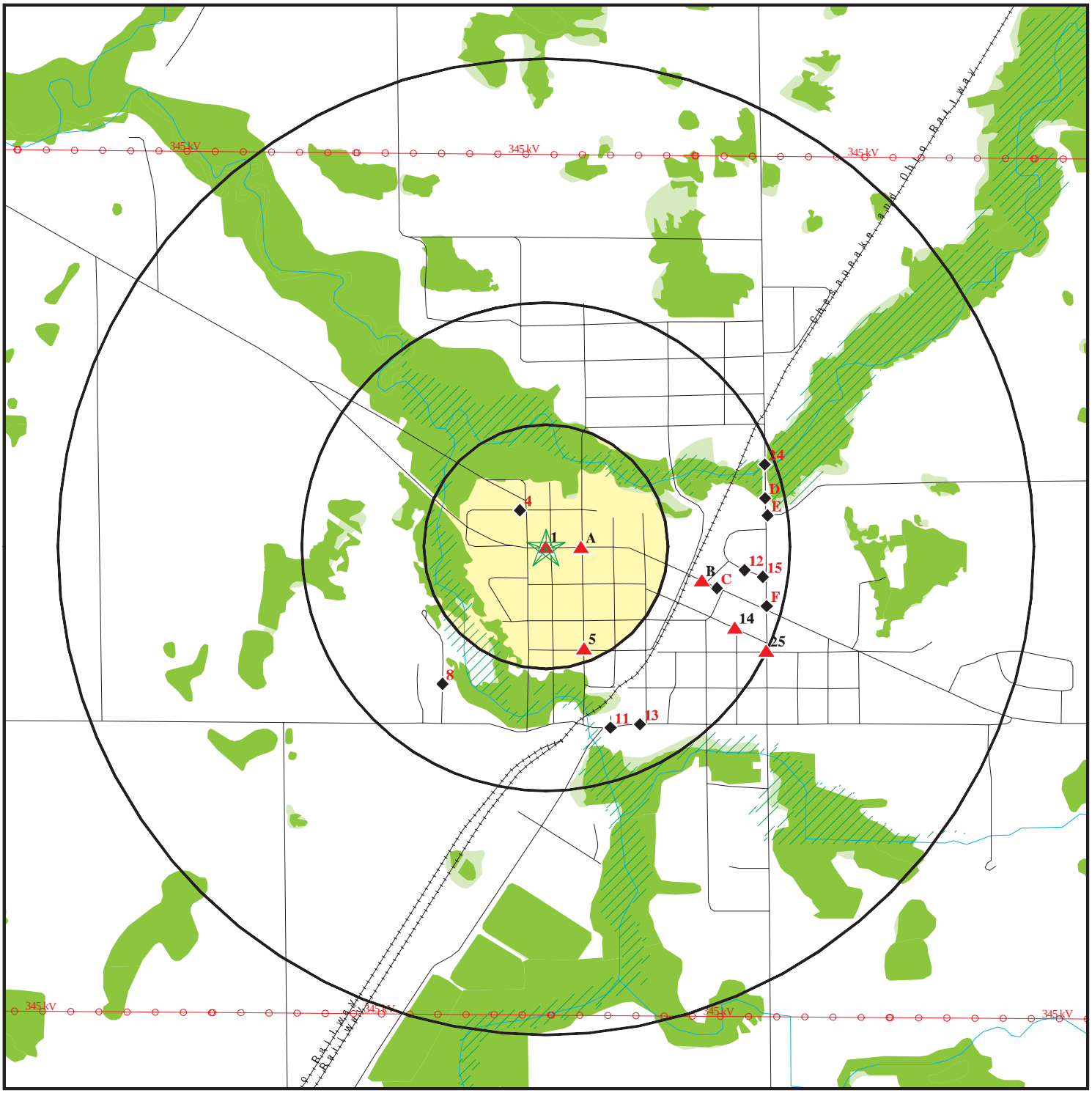
Lower Elevation	Address	Direction / Distance	Map ID	Page
DISTEFANO AUTO SERVICE	3 WEST MONROE STREET	ESE 1/4 - 1/2 (0.466 mi.)	F21	37
327 NORTH CENTER STREET	327 NORTH CENTER STREET	ESE 1/4 - 1/2 (0.469 mi.)	F22	38

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name	Database(s)
DU-WEL BANGOR	SHWS
CENTER STREET (901), BANGOR	SHWS
Not Responsive	SHWS, DEL SHWS
DANE CORPORATION (FORMER)	SHWS, DEL SHWS
Not Responsive L	CERC-NFRAP
CR 681 AT BLACK RIVER	BROWNFIELDS
SPEEDWAY #6288	LUST, UST
409 E. DELAWARE STREET	ERNS

OVERVIEW MAP - 3221084.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 720 W. Monroe Street	CLIENT: Envirologic Technologies, Inc.
ADDRESS: 720 W. Monroe Street Bangor MI 49013	CONTACT: Brittainy Roth
LAT/LONG: 42.3142 / 86.1179	INQUIRY #: 3221084.2s
	DATE: December 08, 2011 10:38 am

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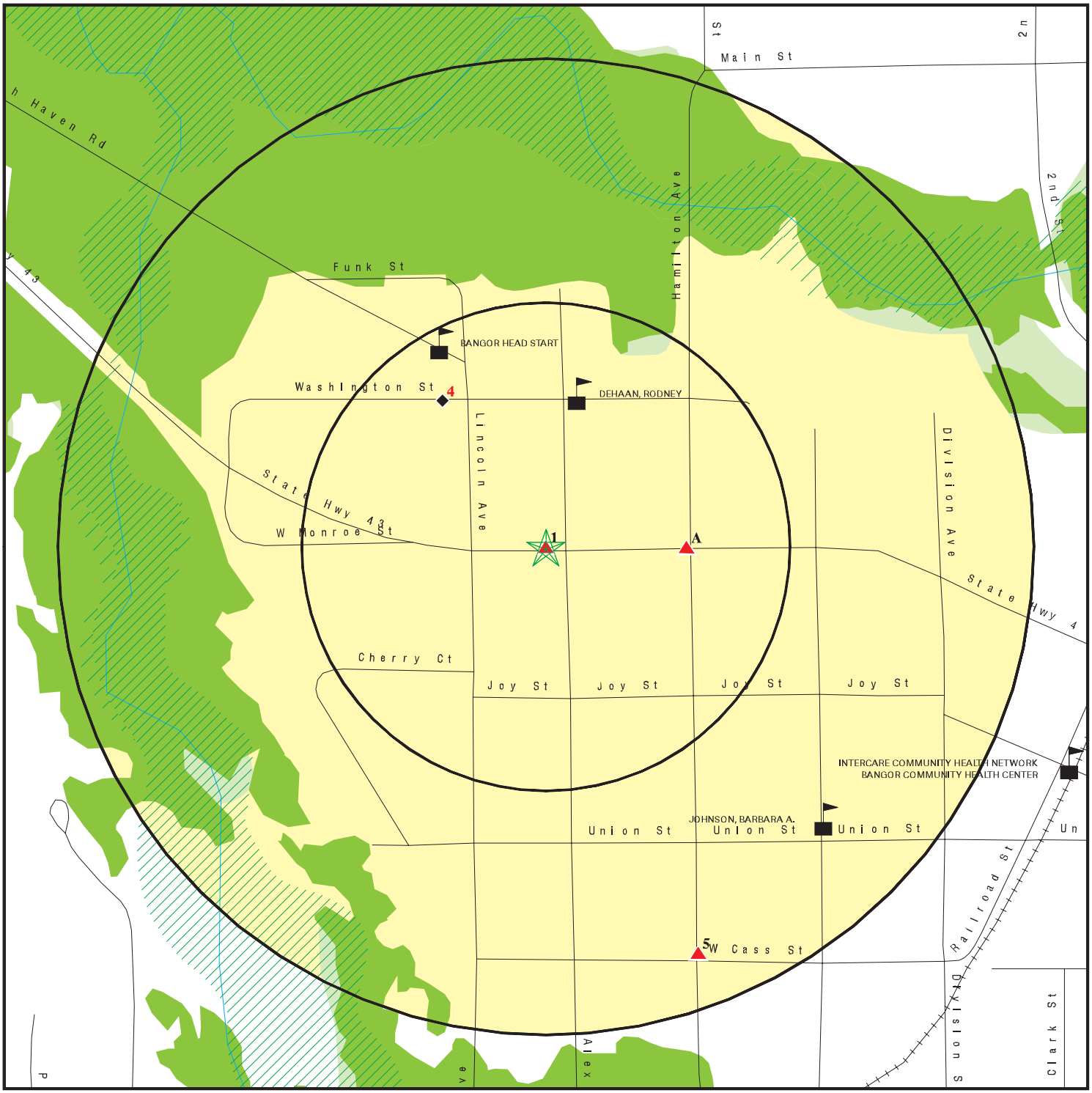
DETAIL MAP - 3221084.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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ADDRESS: 720 W. Monroe Street Bangor MI 49013	CONTACT: Brittainy Roth
LAT/LONG: 42.3142 / 86.1179	INQUIRY #: 3221084.2s
	DATE: December 08, 2011 10:38 am

Copyright © 2011 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	1	NR	NR	1
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	2	0	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	3	0	NR	3
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	1	0	8	NR	NR	9
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	X	0.250	1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	1	NR	NR	NR	1
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
WDS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	0	7	NR	NR	7
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 Target Property | **BANGOR EXPRESS**
720 W MONROE ST
BANGOR, MI 49013 | **UST** | **U004181670**
N/A

Actual: 656 ft.

UST 2:
Owner Name: OWNER ADDRESS UNKNOWN
Owner Address: Not reported
Active Tanks: 0

A2 East < 1/8 0.072 mi. 380 ft. | **GARY GRUETZMACHER**
600 W MONROE ST
BANGOR, MI 49013 | **LUST UST** | **1000529616**
N/A

Site 1 of 2 in cluster A

Relative: Equal

Actual: 656 ft.

LUST:

Facility ID:	00004366
Source:	STATE OF MICHIGAN
Owner Name:	Gary Gruetzmacher
Owner Address:	600 W Monroe St
Owner City,St,Zip:	Bangor, MI 49013-1132
Owner Contact:	Not reported
Owner Phone:	(616) 427-7015
Country:	USA
District:	Kalamazoo District Office
Site Name:	Jerry's Garage
Latitude:	42.3142750000
Longitude:	-86.1165080000
Date of Collection:	01/11/2001
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-1383-91
Release Date:	07/11/1991
Substance Released:	Unknown
Release Status:	Open
Release Closed Date:	Not reported

UST:

Facility ID:	00004366
Facility Type:	CLOSED
Latitude:	42.3142750
Longitude:	-86.1165080
Owner Name:	GARY GRUETZMACHER
Owner Address:	600 W MONROE ST
Owner City,St,Zip:	BANGOR, MI 49013-1132
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	(616) 427-7015
Contact:	GARY GRUETZMACHER
Contact Phone:	(616) 427-7015
Date of Collection:	01/11/2001
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	STATE OF MICHIGAN

GARY GRUETZMACHER (Continued) **1000529616**

Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number

Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	5000
Install Date:	05/02/1956
Product:	Gasoline
Remove Date:	07/10/1991
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

Tank ID:	2
Tank Status:	**Removed from Ground**
Capacity:	2000
Install Date:	05/02/1956
Product:	Gasoline
Remove Date:	07/10/1991
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

Tank ID:	3
Tank Status:	**Removed from Ground**
Capacity:	2000
Install Date:	05/02/1956
Product:	Not reported
Remove Date:	07/10/1991
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

A3 **JERRYS GARAGE** **RCRA-CESQG** **1004723491**
East **600 W MONROE ST** **FINDS** **MID985620848**
< 1/8 **BANGOR, MI 49013**
0.072 mi.
380 ft. **Site 2 of 2 in cluster A**

Relative:
Equal

Actual:
656 ft.

RCRA-CESQG:

Date form received by agency:	08/09/1991
Facility name:	JERRYS GARAGE
Facility address:	600 W MONROE ST BANGOR, MI 49013
EPA ID:	MID985620848
Contact:	GARY GRUETZMACHER

JERRYS GARAGE (Continued) **1004723491**

Contact address: 600 W MONROE ST
BANGOR, MI 49013
Contact country: US
Contact telephone: (616) 427-7015
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: GUETZMACHER GARY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: GUETZMACHER GARY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

JERRYS GARAGE (Continued) **1004723491**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003661975

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

4
NW
< 1/8
0.092 mi.
484 ft.

BANGOR PLASTICS INC **RCRA-CESQG** **1004723941**
809 WASHINGTON ST **FINDS** **MID985652726**
BANGOR, MI 49013

Relative:
Lower

Actual:
653 ft.

RCRA-CESQG:
Date form received by agency: 10/19/1992
Facility name: BANGOR PLASTICS INC
Facility address: 809 WASHINGTON ST
BANGOR, MI 49013
EPA ID: MID985652726
Mailing address: PO BOX 99
BANGOR, MI 49013
Contact: LUCILLE EARLS
Contact address: 809 WASHINGTON ST
BANGOR, MI 49013
Contact country: US
Contact telephone: (616) 427-7971
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

BANGOR PLASTICS INC (Continued) **1004723941**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	WOKECK GF
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Owner/operator name:	WOKECK GF
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1970
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

BANGOR PLASTICS INC (Continued) **1004723941**

Violation Status: No violations found

FINDS:

Registry ID: 110003675906

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

5
SSE
1/8-1/4
0.222 mi.
1173 ft.

MI DEPT/STATE POLICE
305 HAMILTON ST
BANGOR, MI 49013

RCRA-NonGen **1012211165**
MIK265853622

Relative:
Higher

Actual:
664 ft.

RCRA-NonGen:

Date form received by agency:	01/05/2010
Facility name:	MI DEPT/STATE POLICE
Facility address:	305 HAMILTON AVE BANGOR, MI 49013
EPA ID:	MIK265853622
Mailing address:	PO BOX 2600 BATTLE CREEK, MI 49016
Contact:	DALE HINZ
Contact address:	305 HAMILTON AVE BANGOR, MI 49013
Contact country:	US
Contact telephone:	(269) 209-2851
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICHIGAN STATE POLICE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/05/2010
Owner/Op end date:	Not reported

Owner/operator name:	MICHIGAN STATE POLICE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	01/05/2010

MI DEPT/STATE POLICE (Continued) **1012211165**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

B6 **D L MILLER FUNERAL HOME INC** **LUST** **U004159184**
ESE **258 W MONROE ST** **UST** **N/A**
1/4-1/2 **BANGOR, MI 49013**
0.327 mi.
1725 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
657 ft.

LUST:

Facility ID:	00042290
Source:	Not reported
Owner Name:	D L Miller Funeral Home Inc
Owner Address:	258 W Monroe St
Owner City,St,Zip:	Bangor, MI 49013
Owner Contact:	Not reported
Owner Phone:	(269) 521-3121
Country:	USA
District:	Kalamazoo District Office
Site Name:	D L Miller Funeral Home Inc
Latitude:	Not reported
Longitude:	Not reported
Date of Collection:	Not reported
Method of Collection:	Not reported
Accuracy:	Not reported
Accuracy Value Unit:	Not reported
Horizontal Data:	Not reported
Point Line Area:	Not reported
Desc Category:	Not reported

D L MILLER FUNERAL HOME INC (Continued) **U004159184**

Leak Number: C-0128-10
Release Date: 09/16/2010
Substance Released: Gasoline,Gasoline
Release Status: Open
Release Closed Date: Not reported

UST:
Facility ID: 00042290
Facility Type: CLOSED
Latitude: Not reported
Longitude: Not reported
Owner Name: D L MILLER FUNERAL HOME INC
Owner Address: 258 W MONROE ST
Owner City,St,Zip: BANGOR, MI 49013
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (269) 521-3121
Contact: Ryan Oliver
Contact Phone: Not Responsive
Date of Collection: Not reported
Accuracy: Not reported
Accuracy Value Unit: Not reported
Horizontal Datum: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 3000
Install Date: Not reported
Product: Gasoline
Remove Date: 09/16/2010
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: 09/10/2010
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Closed in Ground

D L MILLER FUNERAL HOME INC (Continued) **U004159184**

Capacity:	1000
Install Date:	Not reported
Product:	Gasoline
Remove Date:	09/16/2010
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Unknown
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

B7
ESE
1/4-1/2
0.327 mi.
1725 ft.

DL MILLER FUNERAL HOME, INC. **BEA** **S110624613**
258 W. MONROE STREET **N/A**
BANGOR, MI 49013

Site 2 of 2 in cluster B

Relative:
Higher

Actual:
657 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1540
District:	Kalamazoo
Date Received:	11/22/2010 12:59:00 AM
Submitter Name:	Oliver Bangor, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	Different Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	worrallm
Division Assigned:	Storage Tank Division

8
SW
1/4-1/2
0.352 mi.
1857 ft.

BROEKHUIZEN PRODUCE **BEA** **S109171406**
204 N. PARK STREET **N/A**
DECATUR, MI

Relative:
Lower

Actual:
654 ft.

BEA:

Secondary Address:	aka W. Sherwood Street
BEA Number:	1286
District:	Kalamazoo
Date Received:	8/25/2008 12:59:00 AM
Submitter Name:	North Star Grain, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	odonneld
Division Assigned:	Storage Tank Division

Secondary Address:	aka W. Sherwood Street
BEA Number:	1287
District:	Kalamazoo
Date Received:	8/25/2008 12:59:00 AM
Submitter Name:	Decatur Properties, LLC
Petition Determination:	No Request
Petition Disclosure:	0

BROEKHUIZEN PRODUCE (Continued) **S109171406**

Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: odonneld
Division Assigned: Storage Tank Division

C9 ESE 1/4-1/2 0.360 mi. 1903 ft. | **MONROE (215) STREET, WEST** | **BEA** | **S110055471**
215 WEST MONROE STREET | **N/A**
BANGOR, MI 49013

Site 1 of 2 in cluster C

Relative: Lower
Actual: 655 ft.

BEA:
Secondary Address: Not reported
BEA Number: 1402
District: Kalamazoo
Date Received: 10/6/2009 12:59:00 AM
Submitter Name: Michigan Commerce Bank
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: heywoodd
Division Assigned: RRD

C10 ESE 1/4-1/2 0.369 mi. 1949 ft. | **GHORTA BROTHERS LLC** | **LUST UST** | **U003101885**
204 W MONROE ST | **N/A**
BANGOR, MI 49013

Site 2 of 2 in cluster C

Relative: Lower
Actual: 655 ft.

LUST:
Facility ID: 00000891
Source: STATE OF MICHIGAN
Owner Name: Ghorta Brothers LLC
Owner Address: 1007 Marquette Woods Rd
Owner City,St,Zip: St Joseph, MI 49085
Owner Contact: Mr Kuljit Singh
Owner Phone: (269) 429-8875
Country: USA
District: Kalamazoo District Office
Site Name: Pri Mart Quik Shop #3
Latitude: 42.3136252400
Longitude: -86.1123798500
Date of Collection: 03/17/2008
Method of Collection: Interpolation-Photo
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Not reported

Leak Number: C-0406-99
Release Date: 04/28/1999
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

GHORTA BROTHERS LLC (Continued) **U003101885**

Leak Number: C-0808-95
Release Date: 06/25/1995
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1303-94
Release Date: 11/08/1994
Substance Released: Gasoline,Unknown
Release Status: Open
Release Closed Date: Not reported

UST:
Facility ID: 00000891
Facility Type: ACTIVE
Latitude: 42.3136252
Longitude: -86.1123798
Owner Name: GHORTA BROTHERS LLC
Owner Address: 1007 MARQUETTE WOODS RD
Owner City,St,Zip: ST JOSEPH, MI 49085
Owner Country: USA
Owner Contact: Mr Kuljit Singh
Owner Phone: (269) 429-8875
Contact: Kuljit Singh
Contact Phone: (269) 429-8875
Date of Collection: 03/17/2008
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Not reported
Method of Collection: Interpolation-Photo

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 01/01/1973
Product: Gasohol
Remove Date: 05/04/1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 01/01/1973
Product: Gasoline,Gasohol
Remove Date: 05/04/1999
Tank Release Detection: Automatic Tank Gauging,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment

GHORTA BROTHERS LLC (Continued) **U003101885**

Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 01/01/1973
Product: Gasoline
Remove Date: 05/04/1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring/Second Containment
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 01/01/1973
Product: Gasoline
Remove Date: 05/05/1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interier
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 4000
Install Date: 01/01/1987
Product: Gasoline
Remove Date: 05/05/1999
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring/Second Containment,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Secondary Containment
Piping Type: Pressure
Constr Material: Cathodically Protected Steel,Lined Interier
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 4000
Install Date: 06/01/1999
Product: Gasoline
Remove Date: Not reported

GHORTA BROTHERS LLC (Continued) **U003101885**

Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Constr Material: Double Walled
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 4000
Install Date: 06/01/1999
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled
Piping Type: Not reported
Constr Material: Double Walled
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 4000
Install Date: 06/01/1999
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled
Piping Type: Not reported
Constr Material: Double Walled
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use
Capacity: 4000
Install Date: 06/01/1999
Product: Gasoline
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging, Interstitial Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled Piping
Piping Material: Double Walled
Piping Type: Pressure
Constr Material: Double Walled
Impressed Device: No

11 SSE 1/4-1/2 0.394 mi. 2079 ft. | **ARLINGTON LIFT STATION**
501 W ARLINGTON
BANGOR, MI 49013 | **LUST** | **S106097563**
N/A

Relative: Lower

Actual: 651 ft.

LUST:

Facility ID:	00041463
Source:	STATE OF MICHIGAN
Owner Name:	City of Bangor
Owner Address:	257 W Monroe St
Owner City,St,Zip:	Bangor, MI 49013-1474
Owner Contact:	Not reported
Owner Phone:	269-427-5831
Country:	USA
District:	Kalamazoo District Office
Site Name:	Bangor Arlington Lift Station
Latitude:	42.3086160000
Longitude:	-86.1152890000
Date of Collection:	07/08/2006
Method of Collection:	Interpolation-Map
Accuracy:	15
Accuracy Value Unit:	METERS
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Not reported
Leak Number:	C-0472-03
Release Date:	11/13/2003
Substance Released:	Diesel
Release Status:	Closed
Release Closed Date:	01/05/2004

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12 East 1/4-1/2 0.410 mi. 2165 ft. | **EMMERT TRANSFER INC**
111 PINE ST
BANGOR, MI 49013 | **LUST**
UST | **U000265873**
N/A

Relative: Lower

Actual: 654 ft.

LUST:

Facility ID:	00017085
Source:	STATE OF MICHIGAN
Owner Name:	Emmert Transfer Inc
Owner Address:	111 Pine St
Owner City,St,Zip:	Bangor, MI 49013-1462
Owner Contact:	Not reported
Owner Phone:	(616) 427-7261
Country:	USA
District:	Kalamazoo District Office
Site Name:	Emmert Transport
Latitude:	42.3141935100
Longitude:	-86.1105359400
Date of Collection:	03/17/2008
Method of Collection:	Interpolation-Map
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-0879-91

EMMERT TRANSFER INC (Continued) **U000265873**

Release Date: 04/30/1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/05/1992

UST:
Facility ID: 00017085
Facility Type: CLOSED
Latitude: 42.3141935
Longitude: -86.1105359
Owner Name: EMMERT TRANSFER INC
Owner Address: 111 PINE ST
Owner City,St,Zip: BANGOR, MI 49013-1462
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 427-7261
Contact: BOB EMMERT
Contact Phone: (616) 427-7261
Date of Collection: 03/17/2008
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Interpolation-Map

Tank ID: A
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 05/06/1966
Product: Gasoline
Remove Date: 04/30/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: B
Tank Status: Removed from Ground
Capacity: 500
Install Date: 05/07/1971
Product: Diesel
Remove Date: 04/30/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

13 SSE 1/4-1/2 0.412 mi. 2174 ft. | **B.B.C.G FIRE DIST**
417 W ARLINGTON ST
BANGOR, MI 49013 | **LUST** **UST** | **U002303246** **N/A**

Relative: Lower

Actual: 653 ft.

LUST:

Facility ID:	00035213
Source:	STATE OF MICHIGAN
Owner Name:	B.B.C.G Fire Dist
Owner Address:	417 W Arlington St
Owner City,St,Zip:	Bangor, MI 49013-1164
Owner Contact:	Not reported
Owner Phone:	(616) 427-8980
Country:	USA
District:	Kalamazoo District Office
Site Name:	B.b.c.g. Fire District
Latitude:	42.3088750000
Longitude:	-86.1158510000
Date of Collection:	10/05/2004
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-0315-95
Release Date:	03/16/1995
Substance Released:	Gasoline
Release Status:	Closed
Release Closed Date:	01/09/1996

UST:

Facility ID:	00035213
Facility Type:	CLOSED
Latitude:	42.3088750
Longitude:	-86.1158510
Owner Name:	B.B.C.G FIRE DIST
Owner Address:	417 W ARLINGTON ST
Owner City,St,Zip:	BANGOR, MI 49013-1164
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	(616) 427-8980
Contact:	JAMES ELLIS
Contact Phone:	(616) 427-8980
Date of Collection:	10/05/2004
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	500
Install Date:	01/01/1969
Product:	Gasoline

B.B.C.G FIRE DIST (Continued) **U002303246**

Remove Date:	03/16/1995
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Suction: No Valve At Tank
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

Tank ID:	2
Tank Status:	**Removed from Ground**
Capacity:	500
Install Date:	01/01/1982
Product:	Diesel
Remove Date:	03/16/1995
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Suction: No Valve At Tank
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

14
ESE
1/4-1/2
0.421 mi.
2223 ft.

GANS **SHWS** **S105144750**
104 CHARLES STREET **N/A**
BANGOR, MI

Relative:
Equal

Actual:
656 ft.

SHWS:

Facility ID:	80000183
Facility Status:	**Evaluation conducted**
Source:	Electronic Component
SAM Score:	20
SAM Score Date:	03/23/2004
Township:	02S
Range:	16W
Section:	12
Quarter:	NE
Quarter/Quarter:	NE
Pollutants:	Ethylbenzene; Phenanthrene; Toluene; Xylenes

15
East
1/4-1/2
0.449 mi.
2372 ft.

CITY OF BANGOR **LUST** **U000714784**
14 PINE ST **UST** **N/A**
BANGOR, MI 49013

Relative:
Lower

Actual:
654 ft.

LUST:

Facility ID:	00035044
Source:	STATE OF MICHIGAN
Owner Name:	City of Bangor
Owner Address:	257 W Monroe St
Owner City,St,Zip:	Bangor, MI 49013-1474
Owner Contact:	Not reported
Owner Phone:	269-427-5831
Country:	USA

CITY OF BANGOR (Continued) **U000714784**

District:	Kalamazoo District Office
Site Name:	Bangor Department Of Public Work
Latitude:	42.3145459000
Longitude:	-86.1099302600
Date of Collection:	03/17/2008
Method of Collection:	Interpolation-Map
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-1918-91
Release Date:	09/17/1991
Substance Released:	Unknown
Release Status:	Closed
Release Closed Date:	02/05/1992

UST:

Facility ID:	00035044
Facility Type:	CLOSED
Latitude:	42.3145459
Longitude:	-86.1099302
Owner Name:	CITY OF BANGOR
Owner Address:	257 W MONROE ST
Owner City,St,Zip:	BANGOR, MI 49013-1474
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	269-427-5831
Contact:	RICHARD SUTHERBY
Contact Phone:	Not Responsive
Date of Collection:	03/17/2008
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Interpolation-Map
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	500
Install Date:	01/01/1965
Product:	Not reported
Remove Date:	08/19/1993
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Suction: No Valve At Tank
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No
Tank ID:	2
Tank Status:	**Removed from Ground**
Capacity:	1000
Install Date:	01/01/1965

CITY OF BANGOR (Continued) **U000714784**

Product: Not reported
Remove Date: 08/19/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 01/01/1972
Product: Not reported
Remove Date: 08/19/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

D16 **FREESTONE PICKLE COMPANY** **SHWS** **S110126791**
ENE **598 N. CENTER STREET** **N/A**
1/4-1/2 **BANGOR, MI**
0.458 mi.
2419 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
636 ft.

SHWS:
Facility ID: 80000252
Facility Status: Inactive - no actions taken to address contamination
Source: Railroad Transportation
SAM Score: 21
SAM Score Date: 03/26/2010
Township: 2S
Range: 16W
Section: 12
Quarter: SE
Quarter/Quarter: NW
Pollutants: 1,2,4 TMB; Acenaphthene; As; Ethylbenzene; Naphthalene; Xylenes

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E17 **BANGOR INDUSTRIES INC** **CERC-NFRAP** **1000436033**
East **101 RICHARD BEER MEMORIAL DR** **RCRA-NonGen** **MID980504708**
1/4-1/2 **BANGOR, MI 49013** **FINDS**
0.459 mi. **UST**
2422 ft. **Site 1 of 2 in cluster E** **AST**

Relative:
Lower

Actual:
644 ft.

CERC-NFRAP:
Site ID: 0502792
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Program Priority:
Description: Great Lakes

BANGOR INDUSTRIES INC (Continued) **1000436033**

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	12/01/1979
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	10/04/1985
Priority Level:	Higher priority for further assessment
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	03/09/1990
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	03/09/1990
Priority Level:	Not reported

RCRA-NonGen:

Date form received by agency:	12/31/2002
Facility name:	BANGOR INDUSTRIES INC
Facility address:	101 RICHARD BEER MEMORIAL DR BANGOR, MI 49013
EPA ID:	MID980504708
Mailing address:	PO BOX 3728 GRAND RAPIDS, MI 49501
Contact:	JOHN HLUCHAN
Contact address:	101 RICHARD BEER MEMORIAL DR BANGOR, MI 49013
Contact country:	US
Contact telephone:	(616) 534-4977
Contact email:	Not reported
EPA Region:	05
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/2002
Owner/Op end date:	Not reported
Owner/operator name:	NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported

BANGOR INDUSTRIES INC (Continued) **1000436033**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/01/2002
Facility name: BANGOR INDUSTRIES INC
Classification: Not a generator, verified

Date form received by agency: 02/25/2002
Facility name: BANGOR INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/17/2000
Facility name: BANGOR INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/17/1998
Facility name: BANGOR INDUSTRIES INC
Site name: BANGOR INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1996
Facility name: BANGOR INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/15/1996
Facility name: BANGOR INDUSTRIES INC
Site name: BANGOR INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/15/1996
Facility name: BANGOR INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/14/1994
Facility name: BANGOR INDUSTRIES INC
Site name: INVERNESS CASTINGS GROUP

BANGOR INDUSTRIES INC (Continued) **1000436033**

Classification: Large Quantity Generator

Date form received by agency: 02/10/1992
Facility name: BANGOR INDUSTRIES INC
Site name: DU-WEL PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1990
Facility name: BANGOR INDUSTRIES INC
Site name: DU-WEL PRODUCTS INC
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 03/10/2000
Date achieved compliance: 05/02/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/20/1996
Date achieved compliance: 05/03/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/20/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/05/1992
Date achieved compliance: 04/01/1992
Violation lead agency: State

BANGOR INDUSTRIES INC (Continued) **1000436033**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/30/1990
Date achieved compliance: 03/11/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/03/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 05/12/1988
Date achieved compliance: 03/21/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/12/1988
Date achieved compliance: 03/21/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/17/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/28/1986
Date achieved compliance: 06/04/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

BANGOR INDUSTRIES INC (Continued) **1000436033**

Enforcement action date: 04/02/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/07/1985
Date achieved compliance: 06/04/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/25/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/22/1985
Date achieved compliance: 06/04/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/29/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 03/06/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/02/2000
Evaluation lead agency: State

Evaluation date: 02/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/03/1996
Evaluation lead agency: State

Evaluation date: 03/05/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/01/1992
Evaluation lead agency: State

Evaluation date: 11/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

BANGOR INDUSTRIES INC (Continued) **1000436033**

Area of violation: Generators - General
Date achieved compliance: 03/11/1991
Evaluation lead agency: State

Evaluation date: 05/12/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/21/1989
Evaluation lead agency: State

Evaluation date: 05/12/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/21/1989
Evaluation lead agency: State

Evaluation date: 06/04/1986
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/28/1986
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 06/04/1986
Evaluation lead agency: State

Evaluation date: 11/07/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/04/1986
Evaluation lead agency: State

Evaluation date: 07/22/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/04/1986
Evaluation lead agency: State

FINDS:

Registry ID: 110000408862

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information

BANGOR INDUSTRIES INC (Continued) **1000436033**

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

UST:

Facility ID:	00011363
Facility Type:	CLOSED
Latitude:	42.3156800
Longitude:	-86.1076520
Owner Name:	DU-WEL PRODUCTS INC
Owner Address:	101 CEMETERY
Owner City,St,Zip:	BANGOR, MI 49013
Owner Country:	USA
Owner Contact:	Not reported
Owner Phone:	(616) 427-7901
Contact:	DALE KREITER
Contact Phone:	Not Responsive
Date of Collection:	01/11/2001
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	STATE OF MICHIGAN
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Method of Collection:	Address Matching-House Number
Tank ID:	1
Tank Status:	**Removed from Ground**
Capacity:	1000
Install Date:	05/05/1978

BANGOR INDUSTRIES INC (Continued) **1000436033**

Product:	Diesel
Remove Date:	09/01/1989
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

Tank ID:	2
Tank Status:	**Removed from Ground**
Capacity:	6000
Install Date:	05/06/1971
Product:	Not reported
Remove Date:	01/01/1986
Tank Release Detection:	Not reported
Pipe Realease Detection:	Not reported
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Constr Material:	Asphalt Coated or Bare Steel
Impressed Device:	No

AST:

Type:	CLOSED
Owner Name:	AMERIGAS
Owner Address:	101 RICHARD BEER MEMORIAL
Owner City,St,Zip:	BANGOR, MI 49057-1058
Owner County:	USA
Owner Contact:	Mr Mike Banic
Owner Telephone:	(268) 496-2124
Facility ID:	92080116
District:	Kalamazoo District Office
Contact:	Rick Mcgeerick Mcgee
Facility Phone:	Not Responsive
Tank ID:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Accuracy Value Unit:	Not reported
Horizontal Datum:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Description of Category:	Not reported
Method of Collection:	Not reported

Type:	CLOSED
Owner Name:	AMERIGAS
Owner Address:	101 RICHARD BEER MEMORIAL
Owner City,St,Zip:	BANGOR, MI 49057-1058
Owner County:	USA
Owner Contact:	Mr Mike Banic
Owner Telephone:	(268) 496-2124
Facility ID:	92080116
District:	Kalamazoo District Office
Contact:	Rick Mcgeerick Mcgee

BANGOR INDUSTRIES INC (Continued) **1000436033**

Facility Phone:	Not Responsive
Tank ID:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Date of Collection:	Not reported
Accuracy:	Not reported
Accuracy Value Unit:	Not reported
Horizontal Datum:	Not reported
Source:	Not reported
Point Line Area:	Not reported
Description of Category:	Not reported
Method of Collection:	Not reported

E18 **DU-WEL BANGOR** **BEA** **S108488119**
East **101 RICHARD BEER MEMORIAL DRIVE** **N/A**
1/4-1/2 **BANGOR, MI 49013**
0.459 mi.
2422 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
644 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1123
District:	Kalamazoo
Date Received:	5/31/2007 12:59:00 AM
Submitter Name:	Fleetwood Properties, LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	tracyc1
Division Assigned:	Environmental Response Division

D19 **H W FREESTONE CO** **LUST** **U000266002**
ENE **610 N CENTER ST** **UST** **N/A**
1/4-1/2 **BANGOR, MI 49013**
0.460 mi.
2429 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
635 ft.

LUST:

Facility ID:	00008878
Source:	STATE OF MICHIGAN
Owner Name:	H W Freestone Co
Owner Address:	610 N Center St
Owner City,St,Zip:	Bangor, MI 49013-1434
Owner Contact:	Not reported
Owner Phone:	(616) 427-7702
Country:	USA
District:	Kalamazoo District Office
Site Name:	Freestone, H.w.
Latitude:	42.3153080000
Longitude:	-86.1093270000
Date of Collection:	01/11/2001
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83

H W FREESTONE CO (Continued) **U000266002**

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0881-91
Release Date: 04/30/1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/15/1996

UST:
Facility ID: 00008878
Facility Type: CLOSED
Latitude: 42.3153080
Longitude: -86.1093270
Owner Name: H W FREESTONE CO
Owner Address: 610 N CENTER ST
Owner City,St,Zip: BANGOR, MI 49013-1434
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 427-7702
Contact: DON FREESTONE
Contact Phone: (616) 427-7702
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: 04/12/1981
Product: Diesel
Remove Date: 07/17/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

F20 **STORE & DIST PETROLEUM PROD** **LUST** **S105213325**
ESE **3 W MONROE ST** **AST** **N/A**
1/4-1/2 **BANGOR, MI 49013** **AIRS**
0.466 mi.
2460 ft. **Site 1 of 4 in cluster F**

Relative:
Lower

Actual:
655 ft.

LUST:
Facility ID: 00002174
Source: STATE OF MICHIGAN
Owner Name: Robert Levine
Owner Address: Not Responsive
Owner City,St,Zip: Not Responsive
Owner Contact: Not reported
Owner Phone: Not Responsive

STORE & DIST PETROLEUM PROD (Continued) **S105213325**

Country:	USA
District:	Kalamazoo District Office
Site Name:	Distefano Auto Service
Latitude:	42.3123310000
Longitude:	-86.1093230000
Date of Collection:	10/05/2004
Method of Collection:	Address Matching-House Number
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Data:	NAD83
Point Line Area:	POINT
Desc Category:	Plant Entrance (Freight)
Leak Number:	C-0566-98
Release Date:	07/24/1998
Substance Released:	Gasoline
Release Status:	Open
Release Closed Date:	Not reported

AST:

Type:	CLOSED
Owner Name:	DISTEFANO AUTO SERV
Owner Address:	3 W MONROE ST
Owner City,St,Zip:	BANGOR, MI 49013-9761
Owner County:	USA
Owner Contact:	Not reported
Owner Telephone:	(616) 427-7347
Facility ID:	92084205
District:	Kalamazoo District Office
Contact:	Linda
Facility Phone:	(616) 427-7347
Tank ID:	46.6473870000
Latitude:	Not reported
Longitude:	-85.412495
Date of Collection:	08/12/2005
Accuracy:	100
Accuracy Value Unit:	FEET
Horizontal Datum:	NAD83
Source:	Not reported
Point Line Area:	Not reported
Description of Category:	Not reported
Method of Collection:	Not reported

AIRS:

EI Year:	1992
State Registration Number:	B6819
Naics Code:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Contact Address:	Not reported
Contact City,St,Zip:	Not reported
Permit Number:	Not reported
Date Received:	Not reported
State Registration Number:	B6819
Country:	Not reported
Application Reason:	Not reported
Record Type:	Not reported

STORE & DIST PETROLEUM PROD (Continued) **S105213325**

State County FIPS:	Not reported
Facility Category:	Not reported
SIC Primary:	5092
Tribal Code:	Not reported
Supplemental Location Text:	Not reported
Dun & Brad Street Number:	Not reported
Business Name:	DISTEFANO OIL COMPANY
Principal Product:	Not reported
Principal Product Description:	Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System):	Not reported
UTM Horizontal Coord:	Not reported
UTM Vertical Coord:	Not reported
Mailing Name:	Not reported
Mailing Contact Person:	Not reported
Mailing Street:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
Mailing Zip 4 Extension:	Not reported
Compliance Person:	Not reported
Compliance Area Code:	Not reported
Compliance Phone Number:	Not reported
Emission Inventory Contact Person:	ANGELO DISTEFANO
EI Contact Area Code:	616
EI Contact Phone Number:	4277347
Permit Contact Person:	Not reported
Permit Contact Person Area Code:	Not reported
Permit Contact Person Phone Number:	Not reported
Federal Employer Id Number:	382120703
# Of Employees:	5
Reporting Year:	80
Date Record Was Created:	Not reported

F21 **DISTEFANO AUTO SERVICE** **BEA** **S109847318**
ESE **3 WEST MONROE STREET** **N/A**
1/4-1/2 **BANGOR, MI 49013**
0.466 mi.
2460 ft. **Site 2 of 4 in cluster F**

Relative:
Lower

Actual:
655 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	1380
District:	Kalamazoo
Date Received:	6/10/2009 12:59:00 AM
Submitter Name:	Hometown Properties, LLC
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	Affirmed
Reviewer:	worrallm
Division Assigned:	Storage Tank Division

F22
ESE
1/4-1/2
0.469 mi.
2476 ft.

327 NORTH CENTER STREET
327 NORTH CENTER STREET
BANGOR, MI 49013

BEA **S106096709**
N/A

Site 3 of 4 in cluster F

Relative:
Lower

Actual:
655 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	687
District:	Kalamazoo
Date Received:	11/17/2003 12:59:00 AM
Submitter Name:	City of Bangor
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	tracyc1
Division Assigned:	Environmental Response Division

F23
ESE
1/4-1/2
0.469 mi.
2476 ft.

W.L. HAMILTON
327 N. CENTER ST.
BANGOR, MI 49013

SHWS **S105144742**
N/A

Site 4 of 4 in cluster F

Relative:
Lower

Actual:
655 ft.

SHWS:

Facility ID:	80000053
Facility Status:	**Interim Response conducted**
Source:	Fabricated Metal Products
SAM Score:	28
SAM Score Date:	03/23/2004
Township:	02S
Range:	15W
Section:	7
Quarter:	NW
Quarter/Quarter:	NW
Pollutants:	1,1,1 TCA; 1,2 DCA; TCM; Pb; PCE; TCE

24
ENE
1/4-1/2
0.479 mi.
2530 ft.

LANGLOTZ BARNEY FARM
CENTER ST
BANGOR, MI 49013

CERCLIS **1003871681**
MID981094782

Relative:
Lower

Actual:
635 ft.

CERCLIS:

Site ID:	0503378
EPA ID:	MID981094782
Facility County:	VAN BUREN
Short Name:	LANGLOTZ BARNEY FARM
Congressional District:	04
IFMS ID:	B59P
SMSA Number:	3720
USGC Hydro Unit:	04050002
Federal Facility:	Not a Federal Facility
DMNSN Number:	Not reported
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported

LANGLOTZ BARNEY FARM (Continued) **1003871681**

Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	05
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Non NPL Status Date:	19930924
Site Fips Code:	26159
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	5272775.00000
Contact Name:	JEFFREY KIMBLE
Contact Tel:	(734) 692-7688
Contact Title:	On-Scene Coordinator (OSC)
Contact Email:	Not reported

Contact ID:	5270376.00000
Contact Name:	KEITH J. LESNIAK
Contact Tel:	(312) 353-7189
Contact Title:	On-Scene Coordinator (OSC)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	CENTER STREET SITE
Alias Address:	Not reported
	Not reported
Alias ID:	101
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	06/30/1985
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

LANGLOTZ BARNEY FARM (Continued) **1003871681**

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	09/18/1985
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	State, Fund Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	06/20/1989
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	09/24/1993
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA In-House
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	08/11/2005
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE UNARCHIVED
Date Started:	Not reported

LANGLOTZ BARNEY FARM (Continued) **1003871681**

Date Completed:	08/22/2005
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA In-House
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL
Date Started:	10/12/2005
Date Completed:	01/08/2006
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	Not reported
Date Completed:	12/18/2008
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

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25 ESE 1/4-1/2 0.499 mi. 2634 ft. | **PROPOSED FAMILY DOLLAR PROPERTY** | **BEA** | **S105966627**
208 N. CENTER STREET | **N/A**
BANGOR, MI

Relative: Higher

Actual: 657 ft.

BEA:

Secondary Address:	Not reported
BEA Number:	644
District:	Kalamazoo
Date Received:	6/11/2003 12:59:00 AM
Submitter Name:	Family Dollar Stores, Inc.
Petition Determination:	Affirmed
Petition Disclosure:	1
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	deskinsm
Division Assigned:	Storage Tank Division

Count: 8 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BANGOR	S108417339	CR 681 AT BLACK RIVER	CR 681 AT BLACK RIV		BROWNFIELDS
BANGOR	S105816013	DU-WEL BANGOR	101 CEMETARY RD	49013	SHWS
BANGOR	S108228883	CENTER STREET (901), BANGOR	CENTER ST	49013	SHWS
BANGOR	1000236384	Not Responsive	Not Responsive	49013	SHWS, DEL SHWS
BANGOR	S104005122	DANE CORPORATION (FORMER)	6 EXCHANGE ST		SHWS, DEL SHWS
BANGOR	1003871617	Not Responsive L	Not Responsive	49013	CERC-NFRAP
BANGOR	U002303241	SPEEDWAY #6288	29 MONROE ST		LUST, UST
VAN BUREN COUNTY	2011976339	409 E. DELAWARE STREET	409 E. DELAWARE STREET		ERNS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 79

Source: EPA
Telephone: N/A
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011
Date Data Arrived at EDR: 07/12/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 79

Source: EPA
Telephone: N/A
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/14/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/29/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/12/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/14/2011
Next Scheduled EDR Contact: 02/27/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/02/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 20

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 08/02/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 10/06/2011
Date Made Active in Reports: 11/16/2011
Number of Days to Update: 41

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011
Date Data Arrived at EDR: 06/02/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 103

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 10/06/2011
Date Made Active in Reports: 11/15/2011
Number of Days to Update: 40

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing
A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 07/29/2011
Date Made Active in Reports: 09/06/2011
Number of Days to Update: 39

Source: Department of Environmental Quality
Telephone: 517-335-7211
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Quarterly

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 09/21/2011
Date Data Arrived at EDR: 09/27/2011
Date Made Active in Reports: 11/15/2011
Number of Days to Update: 49

Source: Department of Natural Resources & Environment
Telephone: 517-373-8168
Last EDR Contact: 11/17/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 06/01/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 13

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls
A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 09/19/2011
Date Data Arrived at EDR: 09/21/2011
Date Made Active in Reports: 09/30/2011
Number of Days to Update: 9

Source: Department of Natural Resources & Environment
Telephone: 517-373-4828
Last EDR Contact: 12/05/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database
All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 11/04/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 18

Source: Department of Natural Resources & Environment
Telephone: 517-373-4805
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations
A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 12/05/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/28/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Department of Natural Resources & Environment
Telephone: 517-241-5719
Last EDR Contact: 10/06/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities
The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/07/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/05/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites
Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 11/07/2011
Date Data Arrived at EDR: 11/07/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 15

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 07/29/2011
Date Made Active in Reports: 09/06/2011
Number of Days to Update: 39

Source: Department of Environmental Quality
Telephone: 517-335-7211
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 06/13/2011
Date Data Arrived at EDR: 07/25/2011
Date Made Active in Reports: 07/29/2011
Number of Days to Update: 4

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 10/28/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System
Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 06/01/2011
Date Data Arrived at EDR: 10/21/2011
Date Made Active in Reports: 11/16/2011
Number of Days to Update: 26

Source: Department of Natural Resources & Environment
Telephone: 517-373-8427
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/08/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/20/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011
Date Data Arrived at EDR: 09/14/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/14/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/07/2011
Next Scheduled EDR Contact: 03/19/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/02/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/27/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/13/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 09/13/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Biennially

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/28/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 27

Source: Department oF Natural Resources & Environment
Telephone: 517-373-9875
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/02/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 20

Source: Department of Natural Resources & Environment
Telephone: 517-241-1515
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 11/08/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 12

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/11/2011
Date Data Arrived at EDR: 10/12/2011
Date Made Active in Reports: 11/16/2011
Number of Days to Update: 35

Source: Department of Natural Resources & Environment
Telephone: 517-241-1300
Last EDR Contact: 10/12/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 09/21/2011
Date Data Arrived at EDR: 10/27/2011
Date Made Active in Reports: 11/22/2011
Number of Days to Update: 26

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE
A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 08/29/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/09/2011
Number of Days to Update: 9

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 11/21/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/20/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/24/2011
Next Scheduled EDR Contact: 02/06/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/20/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/04/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/16/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/18/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011
Date Data Arrived at EDR: 04/21/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 22

Source: Department of Natural Resources & Environment
Telephone: 586-753-3754
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 10/21/2011
Date Data Arrived at EDR: 10/25/2011
Date Made Active in Reports: 11/16/2011
Number of Days to Update: 22

Source: Department of Natural Resources & Environment
Telephone: 517-335-6610
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/22/2011
Next Scheduled EDR Contact: 03/05/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/18/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/08/2011
Next Scheduled EDR Contact: 02/20/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes
Source: Bureau of REgulatory Services
Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

720 W. MONROE STREET
720 W. MONROE STREET
BANGOR, MI 49013

TARGET PROPERTY COORDINATES

Latitude (North):	42.31420 - 42˚ 18' 51.1''
Longitude (West):	86.1179 - 86˚ 7' 4.4''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	572695.2
UTM Y (Meters):	4684825.0
Elevation:	656 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42086-C1 BANGOR, MI
Most Recent Revision:	1981
West Map:	42086-C2 MCDONALD, MI
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

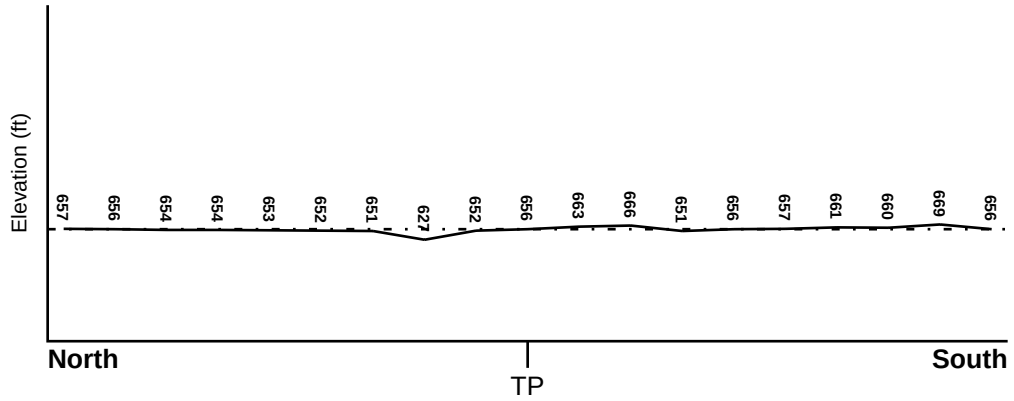
TOPOGRAPHIC INFORMATION

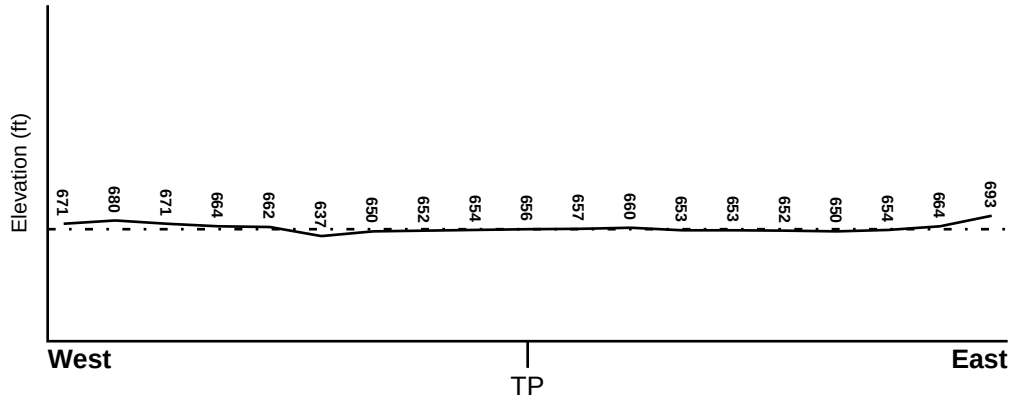
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

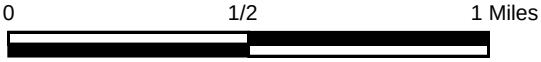
General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 656 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
VAN BUREN, MI	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 26159C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BANGOR	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Mississippian
Series:	Osagean and Kinderhookian Series
Code:	M1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CAPAC
Soil Surface Texture:	loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	8 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
2	8 inches	35 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
3	35 inches	60 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
sandy loam
loamy fine sand
silty clay loam
silt loam
fine sandy loam
muck

Surficial Soil Types: loamy sand
sandy loam
loamy fine sand
silty clay loam
silt loam
fine sandy loam
muck

Shallow Soil Types: sandy clay loam
loamy fine sand
loamy sand

Deeper Soil Types: clay loam
sandy loam
clay
sand
coarse sand
stratified
muck

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

Not Responsive

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

Not Responsive

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

Not Responsive

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Not Responsive		

OTHER STATE DA

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Not Responsive		

70 pages redacted
Not Responsive
Geological information on wells

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49013	1/25/2010		1.3
49013	11/4/2002		1.2
49013	4/7/2003		1.9
49013	8/6/2002	<	0.3
49013	2/16/2002	<	0.3
49013	10/31/1997	<	0.3
49013	3/7/2003		0.7
49013	10/19/1994		0.7
49013	3/30/1995		0.7
49013	2/11/2002		0.6
49013	4/3/2006		1.8
49013	8/4/2003		3.7
49013	5/10/1999		4.1

Federal EPA Radon Zone for VAN BUREN County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for VAN BUREN COUNTY, MI

Number of sites tested: 13

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.592 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.250 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data
Source: Department of Environmental Quality
Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells
Source: Department of Environmental Quality
Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon
Source: Department of Environmental Quality
Telephone: 517-335-9551
Radon Test Results

Michigan Radon Test Results
Source: Department of Environmental Quality
Telephone: 517-335-8037
These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX D

AERIAL PHOTOGRAPHS

© envirologic

720 W. Monroe Street
720 W. Monroe Street
Bangor, MI 49013

Inquiry Number: 3221084.4
December 12, 2011

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography December 12, 2011

Target Property:

720 W. Monroe Street

Bangor, MI 49013

Year	***Scale***	***Details***	***Source***
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	PMA
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960 Photo Not Available - Image missing from collection	CSS
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	ASCS
1974	Aerial Photograph. Scale: 1"=600'	Flight Year: 1974	ASCS
1992	Aerial Photograph. Scale: unknown	Flight Year: 1992	FSA
1994	Aerial Photograph. Scale: unknown	Flight Year: 1994	FSA
1999	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR

INQUIRY #: 3221084.4
YEAR: 1938
= 500'
N

INQUIRY #: 3221084.4

YEAR: 1950

= 500'

N

EDR Environmental Data Resources Inc

INQUIRY #: 3221084.4
YEAR: 1955
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3221084.4
YEAR: 1967
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3221084.4
YEAR: 1974
= 600'
N

INQUIRY #: 3221084.4
YEAR: 1992
= unknown
N

INQUIRY #: 3221084.4
YEAR: 1994
= unknown
N

INQUIRY #: 3221084.4
YEAR: 1999
= 500'
N

INQUIRY #: 3221084.4
YEAR: 2005
= 500'
N

INQUIRY #: 3221084.4
YEAR: 2006
= 500'
N

APPENDIX E

SANBORN MAP REPORT

© envirologic

720 W. Monroe Street
720 W. Monroe Street
Bangor, MI 49013

Inquiry Number: 3221084.3
December 08, 2011

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/08/11

Site Name:
720 W. Monroe Street
720 W. Monroe Street
Bangor, MI 49013

EDR Inquiry # 3221084.3

Client Name:
Envirologic Technologies, Inc.
2960 Interstate Parkway
Kalamazoo, MI 49048

Contact: Brittainy Roth

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Envirologic Technologies, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 720 W. Monroe Street
Address: 720 W. Monroe Street
City, State, Zip: Bangor, MI 49013
Cross Street:
P.O. # NA
Project: NA
Certification # B246-47B7-8B52

Maps Provided:

1944
1931

Sanborn® Library search results
Certification # B246-47B7-8B52

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Envirologic Technologies, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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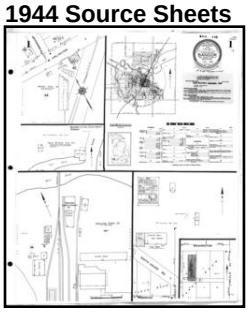
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

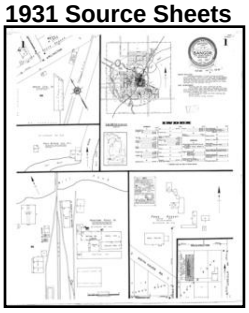
1944 Source Sheets



Volume 1, Sheet Keymap/Sheet1

Volume 1, Sheet 3

1931 Source Sheets



Volume 1, Sheet Keymap/Sheet1

Volume 1, Sheet 3

1944 Certified Sanborn Map

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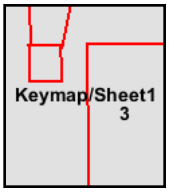
Certification # B246-47B7-8B52

Site Name:	720 W. Monroe Street
Address:	720 W. Monroe Street
City, ST, ZIP:	Bangor MI 49013
Client:	Envirologic Technologies, Inc.
EDR Inquiry:	3221084.3
Order Date:	12/8/2011 12:07:48 PM
Certification #	B246-47B7-8B52
Copyright:	1944

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet Keymap/Sheet1
Volume 1, Sheet 3

N

1931 Certified Sanborn Map

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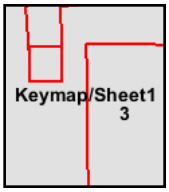
Client:	Envirologic Technologies, Inc.
EDR Inquiry:	3221084.3
Order Date:	12/8/2011 12:07:48 PM
Certification #	B246-47B7-8B52
Copyright:	1931

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet Keymap/Sheet1
Volume 1, Sheet 3

N

1931 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # B246-47B7-8B52

Site Name:	720 W. Monroe Street
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Client:	Envirologic Technologies, Inc.
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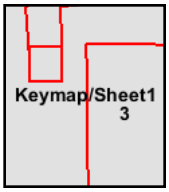
Order Date:	12/8/2011 12:07:48 PM
Certification #	B246-47B7-8B52
Copyright:	1931

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet Keymap/Sheet1
Volume 1, Sheet 3

N

APPENDIX F

FOIAR DOCUMENTATION (REQUESTS AND RESPONSES)

MATERIAL PROVIDED MAY NOT REPRESENT ALL PUBLICLY AVAILABLE FILE INFORMATION

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2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | **F** 269.342.4945 | **W** envirologic.com

Fax Cover Sheet

To:	FOIA Coordinator/s, Remediation Division and Waste and Hazardous Materials Division
Company:	MDEQ Lansing Headquarters
Fax Number:	(517) 241-7428
Phone Number:	(517) 241-8166
Number of Pages:	1
Date:	December 2, 2011
From:	Erik Peterson

MESSAGE:

Dear FOIA Coordinator/s:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to review any potential MDEQ file information for the following property:

Bangor Express
720 W. Monroe St.
Bangor, MI
UST Facility ID: 00018850

Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

80-57-700-215-50

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JAN 4 2012

Fax Cover Sheet

To:	Dianna Kay McGrew, Assessor
Company:	City of Bangor
Fax Number:	(269) 427-7919
Phone Number:	(269) 445-8813
Number of Pages:	1
Date:	December 8, 2011
From:	Erik Peterson

MESSAGE:

Dear Ms. McGrew:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to procure copies of any information your department may have including historic assessing cards or similar items for the following sites:

Bangor Heating and Cooling
720 W. Monroe Street
Bangor, Michigan 49013

Please copy the applicable information and fax or mail to my attention. Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

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Fax Cover Sheet

To:	FOIA Coordinator
Company:	Van Buren County Health Department-Environmental Health Division
Fax Number:	(269) 621-2725
Phone Number:	(269) 621-3143
Number of Pages:	1
Date:	December 8, 2011
From:	Erik Peterson

MESSAGE:

Dear FOIA Coordinator:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to procure copies of any available information such as well logs, septic permits and/or location of septic systems, and any information on area groundwater contamination pertaining to the following site:

Bangor Heating and Cooling
720 W. Monroe Street
Bangor, Michigan 49013

Please copy the applicable information and fax or mail to my attention. Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

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Fax Cover Sheet

To:	Derek Babcock, Fire Chief
Company:	Bangor Fire Department
Fax Number:	(269) 427-7919
Phone Number:	(269) 427-8980
Number of Pages:	1
Date:	December 8, 2011
From:	Erik Peterson

MESSAGE:

Dear Fire Chief Babcock:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to procure copies of any information regarding USTs, ASTs, fire inspections, chemical inventories/spills, or similar items for the following sites:

Bangor Heating and Cooling
720 W. Monroe Street
Bangor, Michigan 49013

Please copy the applicable information and fax or mail to my attention. Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

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2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | **F** 269.342.4945 | **W** envirologic.com

Fax Cover Sheet

To:	Steve Lowder, Director
Company:	City of Bangor, Department of Public Works
Fax Number:	(269) 427-7919
Phone Number:	(269) 427-7918
Number of Pages:	1
Date:	December 8, 2011
From:	Erik Peterson

MESSAGE:

Dear Mr. Lowder:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to procure copies of any water and sewer information your department may have regarding the following sites:

Bangor Heating and Cooling
720 W. Monroe Street
Bangor, Michigan 49013

Please copy the applicable information and fax or mail to my attention. Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

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2960 Interstate Parkway | Kalamazoo, MI 49048
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Fax Cover Sheet

To:	Chuck Moore, Building Inspector
Company:	City of Bangor
Fax Number:	(269) 427-7919
Phone Number:	(269) 427-8328
Number of Pages:	1
Date:	December 8, 2011
From:	Erik Peterson

MESSAGE:

Dear Mr. Moore:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to procure copies of any information your department may have including historic building permits or similar items for the following sites:

Bangor Heating and Cooling
720 W. Monroe Street
Bangor, Michigan 49013

Please copy the applicable information and fax or mail to my attention. Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

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2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | F 269.342.4945 | W envirologic.com

Fax Cover Sheet

To:	FOIA Coordinator/s, Remediation Division and Waste and Hazardous Materials Division
Company:	MDEQ – Kalamazoo District
Fax Number:	(269) 567-9440
Phone Number:	(269) 567-3500
Number of Pages:	2
Date:	December 12, 2011
From:	Erik Peterson

MESSAGE:

Dear FOIA Coordinator/s:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to review any potential MDEQ file information for the following properties:

Gary Gruetzmacher
600 W. Monroe St.
Bangor, MI
LUST Facility ID: 00004366

DL Miller Funeral Home
258 W. Monroe St.
Bangor, MI
LUST Facility ID: 00042290
BEA #1540

Ghorta Brothers, LLC
204 W. Monroe St.
Bangor, MI
LUST Facility ID: 00000891

GANS
104 Charles St.
Bangor, MI
SHWS: 80000183

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2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | F 269.342.4945 | W envirologic.com

Fax Cover Sheet

To:	FOIA Coordinator/s, Remediation Division and Waste and Hazardous Materials Division
Company:	MDEQ – Kalamazoo District
Fax Number:	(269) 567-9440
Phone Number:	(269) 567-3500
Number of Pages:	2
Date:	December 12, 2011
From:	Erik Peterson

MESSAGE:

Dear FOIA Coordinator/s:

In accordance with the provisions of the Freedom of Information Act, Envirologic Technologies, Inc. (Envirologic) would like to review any potential MDEQ file information for the following properties:

Gary Gruetzmacher Jerry's no garage
600 W. Monroe St.
Bangor, MI
LUST Facility ID: 00004366

DL Miller Funeral Home NO
258 W. Monroe St.
Bangor, MI
LUST Facility ID: 00042290
BEA #1540

Ghorta Brothers, LLC Pri Mar Pet. NO
204 W. Monroe St.
Bangor, MI
LUST Facility ID: 00000891

GANS
104 Charles St. NO
Bangor, MI
SHWS: 80000183

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2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | **F** 269.342.4945 | **W** envirologic.com

Store & Dist. Petroleum Products / DISTEFANO Auto Service
3 W. Monroe St.
Bangor, MI
LUST Facility ID: 00002174
BEA #1380

WL Hamilton
327 N. Center ST.
Bangor, MI
SHWS: 80000053

Should you have any questions, please do not hesitate to contact me at (269) 342-1100. Thank you for your time and consideration in this matter.

Sincerely,
ENVIROLOGIC TECHNOLOGIES, INC.

Erik D. Peterson

Erik Peterson
Project Manager

IF YOU HAVE ANY TROUBLE RECEIVING THIS MESSAGE OR YOU DID NOT RECEIVE THE SPECIFIED NUMBER OF PAGES, PLEASE CONTACT OUR OFFICE AT 269-342-1100. The information contained in this transmission is privileged and/or confidential. It is intended only for the use of the individual or entity named above. If the reader of this transmittal is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, collect and return the original message to us at the address listed above via US Postal Service. Thank You.

DEC 12 2011

STATE OF MICHIGAN

DEPARTMENT OF ENVIRONMENTAL QUALITY

LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

December 6, 2011

Mr. Erik Peterson
Envirologic Technologies Inc.
2960 Interstate Parkway
Kalamazoo, MI

Dear Mr. Peterson:

SUBJECT: Request for Disclosure of Official Files from Remediation Division

This written notice is issued in response to your **December 2, 2011**, request for information under the Freedom of Information Act (FOIA), MCL 15.231 *et seq.*, which was received by this office on **December 2, 2011**.

The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. Your request to examine or receive a copy of the following documents is denied.

Description of documents being denied: **720 W. Monroe St., Bangor**

Reason for denial: To the best of this public body's knowledge, information, and belief, the public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Authority for denial: Public Act No. 442 of 1976, as amended, Section 3(1). Under section 10 of the FOIA, you may do either of the following:

1) Appeal this decision in writing to the Director of the Michigan Department of Environmental Quality at P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal," and must identify the reason or reasons you believe the denial should be reversed. The head of the department, or his designee, must respond to your appeal within 10 days after its receipt. Under unusual circumstances, the time for response to your appeal may be extended by 10 business days.

2) File an action in circuit court within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements. Further, if the court finds the denial to be arbitrary and capricious, you may receive punitive damages in the amount of $500.00.

Sincerely,

Melissa Andrews, FOIA Liaison
Remediation Division
517-373-3978

DEQ FOIA 609

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

December 6, 2011

Mr. Erik Peterson
Envirologic Technologies Inc.
2960 Interstate Parkway
Kalamazoo, MI 49048

DEC 9 2011

Dear Mr. Peterson:

SUBJECT: Request for Disclosure of Official Files

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on December 5, 2011. You have requested information that you describe as "720 W. Monroe St., Bangor" (FOIA 609-12).

Your request will be forwarded to the Remediation Division, and Resource Management Division. You will be receiving a letter from the division(s) indicating whether records fitting your description are present. Due to time constraints, it is necessary to issue a 10-business day extension until December 28, 2011, as permitted under Section 5(2)(d) of the FOIA.

In the future, to ensure that you receive all documents maintained by the Department of Environmental Quality, submit your FOIA to the following address:

FOIA Coordinator
Department of Environmental Quality
P.O. Box 30473
Lansing, MI 48909-7973
Fax: 517-241-7428
vorces@michigan.gov

Sincerely,

S. Vorce

Susan Vorce, FOIA Coordinator
Administration Division
517-241-8166

STATE OF MICHIGAN

DEPARTMENT OF ENVIRONMENTAL QUALITY

LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

December 13, 2011

Mr. Erik Peterson
Envirologic Environmental Consulting & Services
2960 Interstate Parkway
Kalamazoo, Michigan 49048

Dear Mr. Peterson:

SUBJECT: Request for Disclosure of Official Files from Resource Management Division

This notice is issued in response to your **December 12, 2011**, request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received in this office on **December 12, 2011**. You have requested information that you describe as "**see enclosed list**."

The purpose of the FOIA is to provide the public with access to existing, nonexempt public records of public bodies. Your request to examine or receive a copy of the documents described above is denied.

Reason for denial: To the best of this public body's knowledge, information, and belief, the public record does not exist under the name given by the requester, or by another name reasonably known to the public body.

Authority for denial: Section 3(1) of the FOIA. Under section 10 of the FOIA, you may do either of the following:

1) Appeal this decision in writing to the Director of the Department of Environmental Quality, P.O. Box 30473, Lansing, Michigan 48909-7973. The writing must specifically state the word "appeal," and must identify the reason or reasons you believe the denial should be reversed. The head of the department, or his designee, must respond to your appeal within 10 days after its receipt. Under unusual circumstances, the time for response to your appeal may be extended by 10 business days.

2) File an action in circuit court within 180 days after the date of the final determination to deny the request. If you prevail in such an action, the court is to award reasonable attorney fees, costs, and disbursements. Further, if the court finds the denial to be arbitrary and capricious, you may receive punitive damages in the amount of $500.00.

Sincerely,

Chris Walters-DuCharme

Chris Walters-DuCharme, FOIA Liaison
Resource Management Division
7953 Adobe Road
Kalamazoo, MI 49009
269-567-3610

EQP1048a (03/11)

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

DAN WYANT
DIRECTOR

DEC 22 2011

December 15, 2011

Mr. Erik Peterson
Envirologic
2960 Interstate Parkway
Kalamazoo, MI 49048

Dear Mr. Peterson:

SUBJECT: Request for Disclosure of Official Files

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on December 13, 2011. You have requested information that you describe as "600, 258, 204, 3 W. Monroe., 104 Charles, 327 N. Center, Bangor" (FOIA 721-12).

Your request will be forwarded to the Remediation Division, and Resource Management Division. You will be receiving a letter from the division(s) indicating whether records fitting your description are present. Due to time constraints, it is necessary to issue a 10-business day extension until January 9, 2012, as permitted under Section 5(2)(d) of the FOIA.

In the future, to ensure that you receive all documents maintained by the Department of Environmental Quality, submit your FOIA to the following address:

FOIA Coordinator
Department of Environmental Quality
P.O. Box 30473
Lansing, MI 48909-7973
Fax: 517-241-7428
vorces@michigan.gov

Sincerely,

Susan Vorce

Susan Vorce, FOIA Coordinator
Administration Division
517-241-8166

Parcel Number: 80-54-700-215-50 Jurisdiction: BANGOR CITY County: VAN BUREN Printed on 01/03/2012

Grantor	Grantee	Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Page	Verified By	Prcnt. Trans.
VALENTINE ROGER P	SCOTT MALCOM D (BANGOR HE	95,000	10/20/1997	LC	UNPAID TAXES CO SALE	1143/313	DEED	0.0
	VALENTINE	13,000	04/12/1989	WD	UNPAID TAXES CO SALE	869/355	DEED	0.0
	KOOLE	1	04/10/1989	WD	GOOD SALE	869/354	DEED	0.0
	RIGOZZI	1	03/28/1988	WD	GOOD SALE	857/537	DEED	0.0

Property Address

720 W MONROE ST

Class: COMMERCIAL IMPROV Zoning: B1

School: BANGOR

P.R.E. 0%

MAP #: 978-A

2011 Est TCV 100,729 TCV/TFA: 27.01

Building Permit(s)	Date	Number	Status
POLE	02/13/2001	331	N/A

Owner's Name/Address

BANGOR HEATING & COOLING INC
2813 W. MAIN STREET, STE. B
KALAMAZOO MI 49006

X Improved | Vacant

Land Value Estimates for Land Table C.BUSINESS DISTRICT

Description	Frontage	Depth	* Factors * Front	Depth	Rate	%Adj.	Reason	Value
AVERAGE	95.00	132.00	0.6489	1.1489	270	100	SITE	19,122
Acreage Table 'A'			0.580 Acres		0	100		0

95 Actual Front Feet, 0.87 Total Acres Total Est. Land Value = 19,122

Tax Description

978-A 2-16 857-537 869-355 869-354 1143-313 1220-453 1462-735,736 W 95' OF LOTS 215 & 216. A.H. MORRISON'S MAP OF THE CITY OF SOUTH BANGOR.

Comments/Influences

CO STUDIED 07 $130,578

Public Improvements

- Dirt Road
- Gravel Road
- X Paved Road
- X Storm Sewer
- Sidewalk
- X Water
- X Sewer
- X Electric
- X Gas
- X Curb
- Street Lights
- Standard Utilities
- Underground Utils.

Land Improvement Cost Estimates

Description	Rate	CountyMult.	Size	%Good	Cash Value
D/W/P: Asphalt Paving	1.61	1.14	3000	70	3,854
Shed: Wood Frame	13.42	1.14	24	80	294

Commercial/Industrial Local Cost Land Improvements

Description	Rate	CountyMult.	Size	%Good	%Arch.Mult	Cash Value
WATER & SEWER	5500.00	1.00	1.0	100	100	5,500

Total Estimated Land Improvements True Cash Value = 9,648

Topography of Site

- X Level
- Rolling
- Low
- High
- Landscaped
- Swamp
- Wooded
- Pond
- Waterfront
- Ravine
- Wetland
- Flood Plain

Work Description for Permit 331, Issued 02/13/2001: REPLACE POLE BLDG

Who	When	What
HAL	10/12/1992	INSPECTED
DKM	02/13/2001	DATA ENTER

Year	Land Value	Building Value	Assessed Value	Board of Review	Tribunal/ Other	Taxable Value
2011	9,600	40,800	50,400			46,321C
2010	9,600	51,300	60,900			45,547C
2009	9,600	53,900	63,500			45,685C
2008	11,700	52,700	64,400			43,760C

The Equalizer. Copyright (c) 1999 - 2009. Licensed To: City of Bangor, County of Van Buren

*** Information herein deemed reliable but not guaranteed***

Parcel Number: 80-54-700-215-50

Printed on 01/03/2012

Desc. of Bldg/Section: 64*40 (POLE STOREAGE BLDG)
Calculator Occupancy: Warehouse, Storage

Class: D,Pole
Floor Area: 2,560
Stories Above Grd: 1
Average Sty Hght : 12
Bsmnt Wall Hght

Depr. Table : 4%
Effective Age : 20
Physical %Good: 44
Func. %Good : 100
Economic %Good: 100

1990 Year Built
Remodeled

12 Overall Bldg
Height

Comments:

Construction Cost

	High		Above Ave.		Ave.	X	Low

** ** Calculator Cost Data ** **
Quality: Average Adj: %+0 $/SqFt:0.00
Heat#1: Space Heaters, Gas with Fan 100
Heat#2: Space Heaters, Gas with Fan 0%
Ave. SqFt/Story: 2560
Ave. Perimeter: 208
Has Elevators:

*** Basement Info ***
Area:
Perimeter:
Type:
Heat: Hot Water, Radiant Floor

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: D,Pole Quality: Average Percent Adj: +0

Base Rate for Upper Floors = 23.60

(10) Heating system: Space Heaters, Gas with Fan Cost/SqFt: 0.00 100%
Adjusted Square Foot Cost for Upper Floors = 23.60

1 Stories Number of Stories Multiplier: 1.000
Average Height per Story: 12 Height per Story Multiplier: 0.960
Ave. Floor Area: 2,560 Perimeter: 208 Perim. Multiplier: 1.170
Refined Square Foot Cost for Upper Floors: 26.51

County Multiplier: 1.14, Final Square Foot Cost for Upper Floors = 30.219

Total Floor Area: 2,560 Base Cost New of Upper Floors = 77,360

Reproduction/Replacement Cost = 77,360
Eff.Age:20 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 44 /100/100/100/44.0
Total Depreciated Cost = 34,038

ECF (BUSINESS DISTRICT) 0.905 => TCV of Bldg: 1 = 30,805
Replacement Cost/Floor Area= 30.22 Est. TCV/Floor Area= 12.03

(1) Excavation/Site Prep:

(2) Foundation: | | Footings | X | Poured Conc | | Brick/Stone | | Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures		Urinals
	3-Piece Baths		Wash Bowls
	2-Piece Baths		Water Heaters
	Shower Stalls		Wash Fountains
	Toilets		Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
Few		Few
Average		Average
Many		Many
Unfinished		Unfinished
Typical		Typical
Flex Conduit		Incandescent
Rigid Conduit		Fluorescent
Armored Cable		Mercury
Non-Metalic		Sodium Vapor
Bus Duct		Transformer

(13) Roof Structure: Slope=0

(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***

Desc. of Bldg/Section:
Calculator Occupancy: Store, Retail

Class: C
Floor Area: 1,170
Stories Above Grd: 1
Average Sty Hght : 10
Bsmnt Wall Hght

Depr. Table : 3%
Effective Age : 25
Physical %Good: 47
Func. %Good : 100
Economic %Good: 100

1952 Year Built
1990 Remodeled

10 Overall Bldg Height

Comments:

Construction Cost

High	Above Ave.	Ave.	X	Low

** ** Calculator Cost Data ** **
Quality: Average Adj: %+0 $/SqFt:0.00
Heat#1: Package Heating & Cooling 100
Heat#2: Package Heating & Cooling 0%
Ave. SqFt/Story: 1170
Ave. Perimeter: 150
Has Elevators:

*** Basement Info ***
Area:
Perimeter:
Type:
Heat: Hot Water, Radiant Floor

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average Percent Adj: +0

Base Rate for Upper Floors = 56.10

(10) Heating system: Package Heating & Cooling Cost/SqFt: 0.00 100%
Adjusted Square Foot Cost for Upper Floors = 56.10

1 Stories Number of Stories Multiplier: 1.000
Average Height per Story: 10 Height per Story Multiplier: 0.960
Ave. Floor Area: 1,170 Perimeter: 150 Perim. Multiplier: 1.269
Refined Square Foot Cost for Upper Floors: 68.34

County Multiplier: 1.21, Final Square Foot Cost for Upper Floors = 82.695

Total Floor Area: 1,170 Base Cost New of Upper Floors = 96,754

Reproduction/Replacement Cost = 96,754
Eff.Age:25 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 47 /100/100/100/47.0
Total Depreciated Cost = 45,474

ECF (BUSINESS DISTRICT) 0.905 => TCV of Bldg: 2 = 41,154
Replacement Cost/Floor Area= 82.70 Est. TCV/Floor Area= 35.17

(1) Excavation/Site Prep:

(2) Foundation: Footings

X	Poured Conc	Brick/Stone	Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

Many Above Ave.	Average Typical	Few None

Total Fixtures	Urinals
3-Piece Baths	Wash Bowls
2-Piece Baths	Water Heaters
Shower Stalls	Wash Fountains
Toilets	Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

Gas	Coal	Hand Fired
Oil	Stoker	Boiler

(11) Electric and Lighting:

Outlets:	Fixtures:
Few	Few
Average	Average
Many	Many
Unfinished	Unfinished
Typical	Typical

Flex Conduit	Incandescent
Rigid Conduit	Fluorescent
Armored Cable	Mercury
Non-Metalic	Sodium Vapor
Bus Duct	Transformer

(13) Roof Structure: Slope=0

(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

Thickness	Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***

COMMERCIAL / INDUSTRIAL ASSESSMENT RECORD

054-7[illegible]

L860 P356

Date of Transfer	Grantee's Name	Address	Revenue Stamp	Verified Sale Price
	VAUGHAN, ROGER F	[illegible] 24th AVE		
		BANGOR 49013		

Map No.	Book No.	Page No.	Parcel Code No.

Property Address 720 W. MONROE St. Ave.

Building or Alteration Permit	Date	Amount
241 - REPAIR	9-26-89	$ [illegible]
1063 Bldg	8-90	19[illegible]

DESCRIPTION

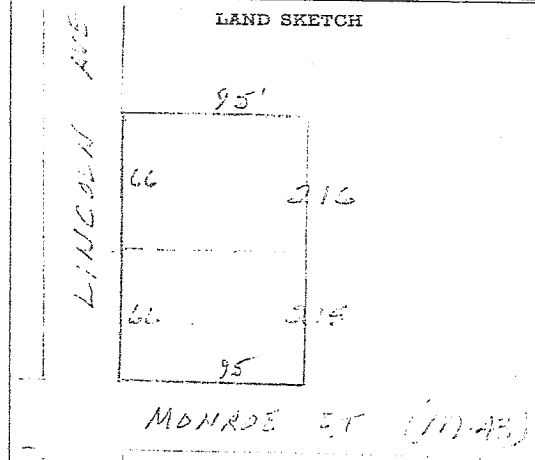
978-R 2-16

W 95' of [illegible]

[illegible]

95' [illegible]

LAND SKETCH



LAND IMPROVEMENTS

	Dirt	✓	Sidewalk		Gas
	Gravel	✓	Water		Electric
✓	Paved		Sewer		Fence
	Curb				

LAND VALUE COMPUTATIONS

Lot Size	Depth Factor	Equiv. Front	Rate	Base Value
95 x 132	[illegible]	[illegible]	$ [illegible]	$ [illegible]

TOTAL LAND	$
TOTAL LAND IMPROVEMENTS [illegible]	$
TOTAL BUILDING	$ [illegible]
TOTAL APPRAISED VALUE	$

[illegible]

Year	Assessed Valuation	Board of Review	Tax Commission
[illegible]	$	$	$
[illegible]	[illegible]		
1992	[illegible]		
1991	18000		

FORM APPROVED BY STATE TAX COMMISSION ORDER BY FORM NO. [illegible]

TYPE

21. EXT. WALLS
- ✓ CONC. BLOCK
- COMMON BRICK
- FACE BRICK
- BRICK / BLOCK
- SANDWICH PANEL
- REINF. CONC.
- PRECAST CONC. PANEL
- WINDOW CURTAIN
- SIDING

22. FOUNDATION WALL
- POST
- CONCRETE
- BRICK
- CONC. BLOCK
- STONE
- PILING

23. PARAPET WALL
- REINF. CONC.
- COMMON BRICK
- FACE BRICK
- TRIM

24. INT. FOUND
- PILING
- DRILLED CAISSONS
- REINF. CONC.

25. FRAMING
- WOOD FRAME
- CONC. BLOCK
- BRICK
- STEEL / OPEN
- STEEL / FIREPROOF
- REINF. CONC.
- PRE-CAST CONC.
- PRE-ENGINEERED

26. SLAB ON GROUND
- CONCRETE
- REINF. CONC.

27. STRUCTURAL FLOORS
- WOOD
- STEEL AND CONC.
- METAL DECK
- CONC. BEAM & SLAB
- ✓ CONC. FLAT SLAB
- PRECAST CONC. SLAB

28. ROOF & DRAINAGE
- METAL DECK
- METAL DECK & CONC.
- REINF. CONC.
- CONC. PLANK
- ✓ WOOD
- ✓ INSUL.
- ✓ ASPHALT SHINGLE
- 1 BUILT-UP T & G
- ASPHALT ROLL
- DOWNSPOUTS
- GUTTERS
- ROOF DRAINS

29. FLOOR FINISH
- HARDWOOD
- SOFTWOOD
- LINOLEUM
- TERRAZZO
- CARPETING
- WOOD BLOCK
- CONC. HARDENER
- TILE

30. CEILING FINISH
- ACOUSTIC TILE
- GYPSUM BOARD
- PLASTER
- PAINT
- WOOD
- 1 [illegible]

31. PARTITIONS
- MASONRY
- 1 STUD FRAMING
- MOVABLE
- PLASTER
- 1 DRYWALL
- FURRING
- MARBLE
- HARDBOARD
- PAINT

32. PLUMBING
- NONE
- BATH
- TILE FLOORS
- TILE WALLS
- SHOWER STALL
- 1 LAVATORY 2 PC.
- WATER CLOSET
- WASH BOWL
- URINALS
- WASHFOUNTAINS
- WATER HEATERS
- WATER SOFTENERS

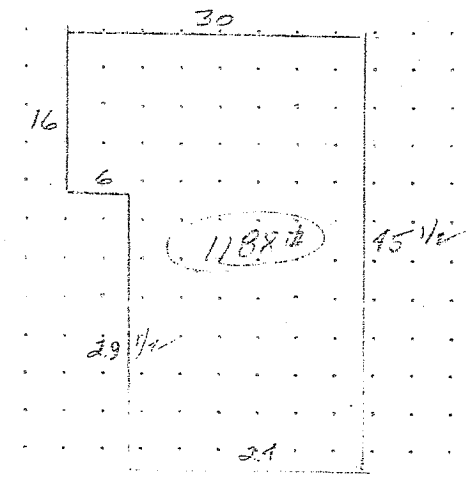
33. HEATING & A.C.
- ✓ GAS
- OIL
- ELECTRIC
- STEAM - CENTRAL
- UNIT HEATERS
- FORCED WARM AIR
- ✓ WALL HEATERS
- AIR CONDITIONING

34. ELECTRICAL
- ROMEX
- CONDUIT
- ✓ FLUORESCENT
- INCANDESCENT
- MERCURY VAPOR
- BUS DUCT
- PANEL BOARDS
- DISTRIBUTION CEN.
- TRANSFORMERS

35. FIRE PROTECTION
- SPRINKLER SYSTEM
- CITY WATER SUPPLY
- PRIVATE SYSTEM

36. MISCELLANEOUS
- ELEVATORS
- ESCALATORS
- STAIRS
- LOADING DOCKS
- DOCK LEVELERS
- INCINERATORS
- CRANES

41. PLAN OF BUILDING 1 SPACE =



1097

REMARKS:

37. CONSTRUCTION C

GOOD	AVERAGE
~~POOR~~ LOW	CHEAP

38. YEAR BUILT 1927

39. YEAR REMODELED 1980

40. % COND.

PERSON INTERVIEWED

EXAMINED BY

DATE

BUILDING VALUE COMPUTATIONS

TYPE OF BUILDING	NO. STYS.	SQ. FT.	UNIT COST	BASE VALUE	ADDITIONS AND DEDUCTIONS: ITEM	ADDITIONS AND DEDUCTIONS: AMOUNT	REPRODUCTION COST NEW	PHYS. DEP. % COND.	REPRODUCTION COST DEP'D	ECONOMIC COND. %	COST MOD.	COMP. MULT.	TRUE CASH VALUE
[illegible]		118	$ [illegible]	$ 32551		$	$	[illegible]	$ [illegible]	.65			$ 846 [illegible]

COMMERCIAL / INDUSTRIAL ASSESSMENT RECORD

54 700 215 50 — 1986 APPRAISAL

Date of Transfer	Grantee's Name	Address	Revenue Stamp	Verified Sale Price	Map No.	Book No.	Page No.	Parcel Code No.
	BANGOR CITY							978-A

BANGOR CITY VAN BUREN

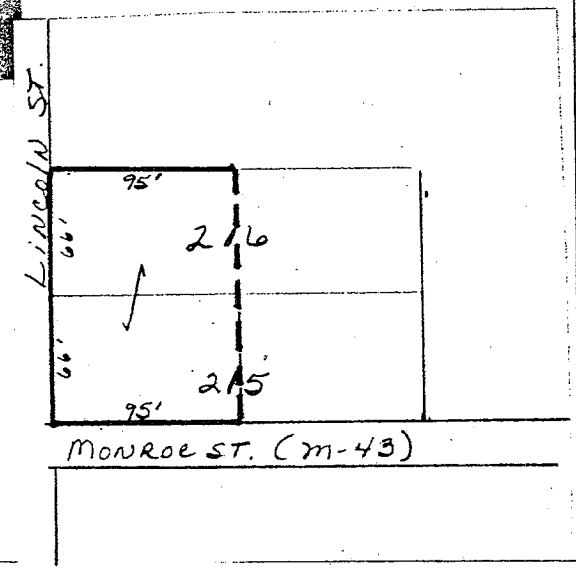
PROPERTY #	S/C/D	SCHOOL	CLASS
[54 700 215 50]	[ ]	[80014]	[201]

NAME [BANGOR EXPRESS]
TAX #1 [978-A 2-16
TAX DESCRIPTION:
[W 95' OF LOTS 215 & 216.
[A.H. MORRISON'S MAP OF THE CITY OF SOUTH BANGOR.

Property Address	St. Ave.

Building or Alteration Permit	Date	Amount
		$

LAND SKETCH



LAND IMPROVEMENTS

	Dirt		Sidewalk		Gas
	Gravel		Water		Electric
	Paved		Sewer		Fence
	Curb				

LAND VALUE COMPUTATIONS

Lot Size	Depth Factor	Equiv. Front	Rate	Base Value
95X132	=12540	4	$ .75	$ 9405

TOTAL LAND	$ 9405
TOTAL LAND IMPROVEMENTS	$ 4150
TOTAL BUILDING	$ 14209
TOTAL APPRAISED VALUE	$ 27764
	27800

Year	Assessed Valuation	Board of Review	Tax Commission
1986	$ 11,000	$	$
RATIO	39.57		

FORM APPROVED BY STATE TAX COMMISSION. ORDER BY FORM NO. 201 VAN BUREN COUNTY

10

COUNTY

Township
Village
City

RESIDENTIAL ASSESSMENT RECORD

80 54 700 215 50

DATE OF TRANSFER	GRANTEE'S NAME	ADDRESS	REVENUE STAMP	VERIFICATION SALE PR.

MAP NO.	BOOK NO.	PAGE NO.	PARCEL CODE NO.

Property Address St. Ave.

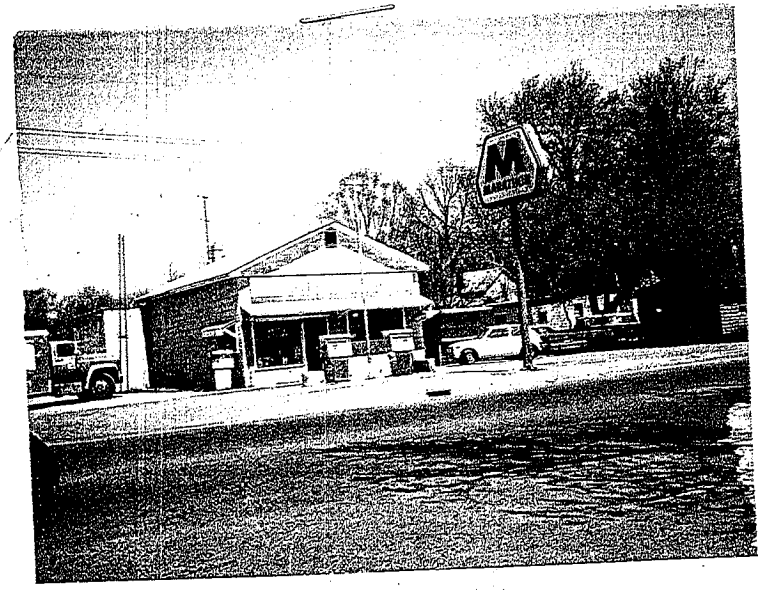
Building or Alteration Permit	Date	Amount
		$

DESCRIPTION AND LAND SKETCH

Sec. T. R.

978-A ALFRED MULAC
2-16 E. B. MULAC
SD-14 BANGOR, MICH. 49013

W 95FT LOT 215 AND W 95' LOT 216
A.H. MORRISONS MAP OF THE CITY OF SOUTH BANGOR



IMPROVEMENTS		LAND	
	Dirt	✓	Level
✓	Gravel		Rolling
✓	Paved		Low
	Curb		High
✓	Sidewalk		Landscaped
✓	Water		Swamp
✓	Sewer		
✓	Electric		
	Gas		

LAND VALUE PLUS IMPROVEMENTS COMPUTATION

LOT SIZE	DEPTH FACTOR	EQUIVALENT FRONTAGE	RATE	TRUE CASH VALUE
			$	$

LAND IMPROVEMENT	VALUE NEW	% COND.	
Well			
Septic System			
Paved Drive			
Fence			
Landscaping			

TOTAL LAND PLUS IMPROVEMENTS	$
TOTAL BUILDINGS	$
TOTAL TRUE CASH VALUE	$

Person Interviewed

Examined by Date

PROPERTY TYPE

✓	Residential		Acreage
	Resort	✓	Platted
	Suburban		Improved
			Vacant

YEAR	ASSESSED VALUATION	BOARD OF REVIEW	TAX COMMISSION
	$	$	$

Desc. of Bldg/Section: 64*40 (POLE STOREAGE BLDG)
Calculator Occupancy: Warehouse, Storage

Class: D,Pole
Floor Area: 2,560
Stories Above Grd: 1
Average Sty Hght : 12
Bsmnt Wall Hght

Depr. Table : 4%
Effective Age : 21
Physical %Good: 42
Func. %Good : 100
Economic %Good: 100

1990 Year Built
Remodeled

12 Overall Bldg Height

Comments:

Construction Cost

High		Above Ave.		Ave.	X	Low

** ** Calculator Cost Data ** **
Quality: Average Adj: %+0 $/SqFt:0.00
Heat#1: Space Heaters, Gas with Fan 100
Heat#2: Space Heaters, Gas with Fan 0%
Ave. SqFt/Story: 2560
Ave. Perimeter: 208
Has Elevators:

*** Basement Info ***
Area:
Perimeter:
Type:
Heat: Hot Water, Radiant Floor

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: D,Pole Quality: Average Percent Adj: +0

Base Rate for Upper Floors = 23.60

(10) Heating system: Space Heaters, Gas with Fan Cost/SqFt: 0.00 100%
Adjusted Square Foot Cost for Upper Floors = 23.60

1 Stories Number of Stories Multiplier: 1.000
Average Height per Story: 12 Height per Story Multiplier: 0.960
Ave. Floor Area: 2,560 Perimeter: 208 Perim. Multiplier: 1.170
Refined Square Foot Cost for Upper Floors: 26.51

County Multiplier: 1.18, Final Square Foot Cost for Upper Floors = 31.279

Total Floor Area: 2,560 Base Cost New of Upper Floors = 80,074

Reproduction/Replacement Cost = 80,074
Eff.Age:21 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 42 /100/100/100/42.0
Total Depreciated Cost = 33,631

ECF (BUSINESS DISTRICT) 0.905 => TCV of Bldg: 1 = 30,436
Replacement Cost/Floor Area= 31.28 Est. TCV/Floor Area= 11.89

(1) Excavation/Site Prep:

(2) Foundation: | | Footings
X Poured Conc | | Brick/Stone | | Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures		Urinals
	3-Piece Baths		Wash Bowls
	2-Piece Baths		Water Heaters
	Shower Stalls		Wash Fountains
	Toilets		Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
Few		Few
Average		Average
Many		Many
Unfinished		Unfinished
Typical		Typical
Flex Conduit		Incandescent
Rigid Conduit		Fluorescent
Armored Cable		Mercury
Non-Metalic		Sodium Vapor
Bus Duct		Transformer

(13) Roof Structure: Slope=0

(14) Roof Cover:

(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***

Desc. of Bldg/Section:
Calculator Occupancy: Store, Retail

Class: C
Floor Area: 1,170
Stories Above Grd: 1
Average Sty Hght.: 10
Bsmnt Wall Hght

Depr. Table : 3%
Effective Age : 26
Physical %Good: 45
Func. %Good : 100
Economic %Good: 100

1952 Year Built
1990 Remodeled

10 Overall Bldg Height

Comments:

Construction Cost

High		Above Ave.		Ave.	X	Low

** ** Calculator Cost Data ** **
Quality: Average Adj: %+0 $/SqFt:0.00
Heat#1: Package Heating & Cooling 100
Heat#2: Package Heating & Cooling 0%
Ave. SqFt/Story: 1170
Ave. Perimeter: 150
Has Elevators:

*** Basement Info ***
Area:
Perimeter:
Type:
Heat: Hot Water, Radiant Floor

* Mezzanine Info *
Area #1:
Type #1:
Area #2:
Type #2:

* Sprinkler Info *
Area:
Type: Average

<<<<< Calculator Cost Computations >>>>>
Class: C Quality: Average Percent Adj: +0

Base Rate for Upper Floors = 56.10

(10) Heating system: Package Heating & Cooling Cost/SqFt: 0.00 100%
Adjusted Square Foot Cost for Upper Floors = 56.10

1 Stories Number of Stories Multiplier: 1.000
Average Height per Story: 10 Height per Story Multiplier: 0.960
Ave. Floor Area: 1,170 Perimeter: 150 Perim. Multiplier: 1.269
Refined Square Foot Cost for Upper Floors: 68.34

County Multiplier: 1.24, Final Square Foot Cost for Upper Floors = 84.746

Total Floor Area: 1,170 Base Cost New of Upper Floors = 99,152

Reproduction/Replacement Cost = 99,152
Eff.Age:26 Phy.%Good/Abnr.Phy./Func./Econ./Overall %Good: 45 /100/100/100/45.0
Total Depreciated Cost = 44,619

ECF (BUSINESS DISTRICT) 0.905 => TCV of Bldg: 2 = 40,380
Replacement Cost/Floor Area= 84.75 Est. TCV/Floor Area= 34.51

(1) Excavation/Site Prep:

(2) Foundation: | | Footings
X Poured Conc | | Brick/Stone | | Block

(3) Frame:

(4) Floor Structure:

(5) Floor Cover:

(6) Ceiling:

(7) Interior:

(8) Plumbing:

	Many Above Ave.		Average Typical		Few None

	Total Fixtures		Urinals
	3-Piece Baths		Wash Bowls
	2-Piece Baths		Water Heaters
	Shower Stalls		Wash Fountains
	Toilets		Water Softeners

(9) Sprinklers:

(10) Heating and Cooling:

	Gas Oil		Coal Stoker		Hand Fired Boiler

(11) Electric and Lighting:

Outlets:		Fixtures:
Few		Few
Average		Average
Many		Many
Unfinished		Unfinished
Typical		Typical
Flex Conduit		Incandescent
Rigid Conduit		Fluorescent
Armored Cable		Mercury
Non-Metalic		Sodium Vapor
Bus Duct		Transformer

(13) Roof Structure: Slope=0

(14) Roof Cover:

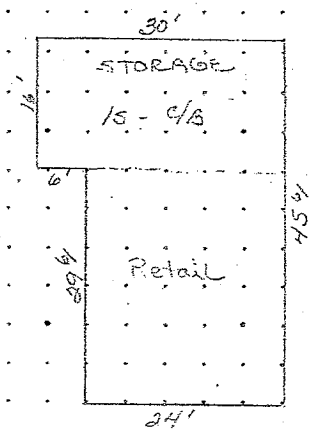
(39) Miscellaneous:

(40) Exterior Wall:

	Thickness		Bsmnt Insul.

*** Information herein deemed reliable but not guaranteed***

		WOOD	NONE
		STEEL AND IRON	BATH
		METAL PAN	TILE FLOORS
		CONC. ON GRADE	TILE WALLS
21. EXT. WALLS	✓	CONC. ABOVE GRADE	SHOWER STALL
		PRECAST CONC. SLAB	✓ LAVATORY / PC.
✓			WATER CLOSET
COMMON BRICK			WASH BOWL
FACE BRICK			URINALS
BRICK / BLOCK		28. ROOF & DRAINAGE	WASHFOUNTAINS
WINDOW WALL PANEL			WATER HEATERS
REINF. CONC.		METAL BLOCK	WATER SOFTENERS
PRECAST CONC. PANEL		METAL DECK & CONC.	
WINDOW CURTAIN		REINF. CONC.	
STUCCO		CONC. PLANK	
		WOOD	33. HEATING & A.C.
	✓	INSUL.	
22. FOUNDATION WALL	✓	ASPHALT SHINGLES 3/12	GAS
	✓	BUILT-UP T & G 1/4"	OIL
POST		ASPHALT ROLL	ELECTRIC
CONCRETE		DOWNSPOUTS	STEAM - CENTRAL
BRICK		GUTTERS	UNIT HEATERS
CONC. BLOCK		ROOF DRAINS	FORCED WARM AIR
STONE			✓ WALL HEATERS
PILING			AIR CONDITIONING
		29. FLOOR FINISH	
		HARDWOOD	
23. PARAPET WALL		SOFTWOOD	34. ELECTRICAL
		LINOLEUM	
REINF. CONC.		TERRAZZO	ROMEX
COMMON BRICK		CARPETING	CONDUIT
FACE BRICK		WOOD BLOCK	✓ FLUORESCENT
TRIM		CONC. HARDENER	INCANDESCENT
		TILE	MERCURY VAPOR
24. INT. FOUND	✓	[illegible]	BUS DUCT
			PANEL BOARDS
PIERS		30. CEILING FINISH	DISTRIBUTION CEN.
PIPE LED CAISSON			TRANSFORMERS
REINF. CONC.		ACOUSTIC TILE	
		GYPSUM BOARD	
		PLASTER	
25. FRAMING		PAINT	35. FIRE PROTECTION
		WOOD	
WOOD FRAME	✓	[illegible]	SPRINKLER SYSTEM
CONC. BLOCK			CITY WATER SUPPLY
STEEL		31. PARTITIONS	PRIVATE SYSTEM
STEEL / OPEN			
STEEL / FIRE PROOF		MASONRY	36. MISCELLANEOUS
REINF. CONC.	✓	WOOD FRAMING	
PRECAST CONC.		MOVABLE	ELEVATORS
ENGINEERED		PLASTER	ESCALATORS
	✓	DRYWALL	STAIRS
		FURRING	LOADING DOCKS
26. SLAB ON GROUND		MARBLE	DOCK LEVELERS
		HARDWOOD	INCINERATORS
CONCRETE		PAINT	CRANES
REINF. CONC.			



HT - 12'

Cooler: 10'x10'x6"
Door: 3'x6'x6"

REMARKS: Parking - 35'x85' = 4975 ft²

Class 3 - Low

37. CONSTRUCTION		40. % COND.	
GOOD	AVERAGE	PERSON INTERVIEWED	
✓ POOR	CHEAP	Aug Kinzel (Barber Shop)	
38. YEAR BUILT	1927	EXAMINED BY	BK + AG
39. YEAR REMODELED		DATE	9-83

BUILDING VALUE COMPUTATIONS

TYPE OF BUILDING	NO. STYS.	SQ. FT.	UNIT COST	BASE VALUE	ADDITIONS AND DEDUCTIONS ITEM	ADDITIONS AND DEDUCTIONS AMOUNT	REPRODUCTION COST NEW	PHYS. DEP. % COND.	REPRODUCTION COST DEP'D	ECONOMIC COND. %	COST MOD.	COMP. MULT.	TRUE CASH VALUE
Mercant	1	1188	$ 31.59	$ 37,529	—	$ —	$ 37,529	30	$ 11,259	80			$ 9007

54-700-215-50

Date of Transfer	Grantee's Name	Address	Revenue Stamp	Verified Sale Price	Map No.	Book No.	Page No.	Parcel Code No.
	[illegible]	BANGOR CITY						[illegible]

Property Address

Building or Alteration Permit	Date	Amount
		$

DESCRIPTION

LAND SKETCH

LAND IMPROVEMENTS

	Dirt		Sidewalk		Gas
	Gravel		Water		Electric
	Paved		Sewer		Fence
	Curb				

LAND VALUE COMPUTATIONS

Lot Size	Depth Factor	Equiv. Front	Rate	Value
95'X132'	SITE		$	$ [illegible]

TOTAL LAND	$ [illegible]
TOTAL LAND IMPROVEMENTS	$ [illegible]
TOTAL BUILDING	$ [illegible]
TOTAL APPRAISED VALUE	$ [illegible]
Say	[illegible]

RATIO: .3812

Year	Assessed Valuation	Board of Review	Commission
1985	$ 8500	$	$

	WOOD		NOOK
	STEEL AND CONC.		BATH
	METAL DECK		TILE FLOORS
	CONC. BEAM & SLAB		TILE WALLS
21. EXT. WALLS	CONC. FLAT SLAB		SHOWER STALL
	PRECAST CONC. SLAB		LAVATORY 2 PC.
CONC. BLOCK			WATER CLOSET
COMMON BRICK			WASH BOWL
FACE BRICK			URINALS
BRICK / BLOCK	28. ROOF & DRAINAGE		WASHFOUNTAINS
SANDWICH PANEL			WATER HEATERS
REINF. CONC.	METAL DECK		WATER SOFTENERS
PRECAST CONC. PANEL	METAL DECK & CONC.		
WINDOW CURTAIN	REINF. CONC.		
SIDING	CONC. PLANK		
	WOOD	33. HEATING & A.C.	
	INSUL.		
22. FOUNDATION WALL	ASPHALT SHINGLE	GAS	
	BUILT-UP T & G	OIL	
POST	ASPHALT ROLL	ELECTRIC	
CONCRETE	DOWNSPOUTS	STEAM - CENTRAL	
BRICK	GUTTERS	UNIT HEATERS	
CONC. BLOCK	ROOF DRAINS	FORCED WARM AIR	
STONE		WALL HEATERS	
PILING		AIR CONDITIONING	
	29. FLOOR FINISH		
	HARDWOOD		
23. PARAPET WALL	SOFTWOOD	34. ELECTRICAL	
	LINOLEUM		
REINF. CONC.	TERRAZZO	ROMEX	
COMMON BRICK	CARPETING	CONDUIT	
FACE BRICK	WOOD BLOCK	FLUORESCENT	
TRIM	CONC. HARDENER	INCANDESCENT	
	TILE	MERCURY VAPOR	
24. INT. FOUND		BUS DUCT	
		PANEL BOARDS	
PILING	30. CEILING FINISH	DISTRIBUTION CEN.	
DRILLED CAISSONS		TRANSFORMERS	
REINF. CONC.	ACOUSTIC TILE		
	GYPSUM BOARD		
	PLASTER		
25. FRAMING	PAINT	35. FIRE PROTECTION	
	WOOD		
WOOD FRAME		SPRINKLER SYSTEM	
CONC. BLOCK		CITY WATER SUPPLY	
BRICK	31. PARTITIONS	PRIVATE SYSTEM	
STEEL / OPEN			
STEEL / FIREPROOF	MASONRY	36. MISCELLANEOUS	
REINF. CONC.	STUD FRAMING		
PRE-CAST CONC.	MOVABLE	ELEVATORS	
PRE ENGINEERED	PLASTER	ESCALATORS	
	LATH & TILE	STAIRS	
	FURRING	LOADING DOCKS	
26. SLAB ON GROUND	MARBLE	DOCK LEVELERS	
	HARDBOARD	INCINERATORS	
CONCRETE	PAINT	CRANES	
REINF. CONC.			

REMARKS: PAVING 35' X 85' = 2975 ft X $4.10 X 1.00 X 50%
UNDERGROUND 1734 X 70% SA = 1214
TANKS
2-5000 GAL = 3700 X 2 X 1.11 CM X 25% GOOD = 2054
1-500 GAL - 975 X 1.11 CM X 25% GOOD = 270
CLASS C LOW
3538

37. CONSTRUCTION		40. % COND.	
GOOD / ~~POOR~~ LOW	AVERAGE / CHEAP	PERSON INTERVIEWED	ANG RGOZZI (BARBER SHOP)
38. YEAR BUILT	1927	EXAMINED BY	DK & FG
39. YEAR REMODELED		DATE	9-83

BUILDING VALUE COMPUTATIONS

TYPE OF BUILDING	NO. STYS.	SQ. FT.	UNIT COST	BASE VALUE	ADDITIONS AND DEDUCTIONS ITEM	ADDITIONS AND DEDUCTIONS AMOUNT	REPRODUCTION COST NEW	PHYS. DEP. % COND.	REPRODUCTION COST DEP'D	ECONOMIC COND. %	COST MOD.	COMP. MULT.	TRUE CASH VALUE
C/P	1	1188	$34.33	$40784		$	$ 40784	30%	$ 12235	80			$ 9788
YO.IMP													3538

COMMERCIAL / INDUSTRIAL ASSESSMENT RECORD

054-700-215-50

L869 P355

Date of Transfer	Grantee's Name	Address	Revenue Stamp	Verified Sale Price	Map No.	Book No.	Page No.	Parcel Code No.
	VALENTINE, ROGER F	Not Responsive						

Property Address 720 W MONROE St. Ave.

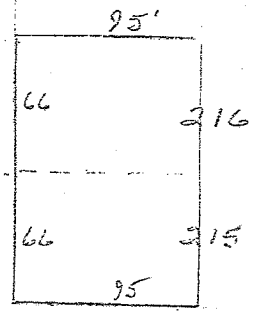
Building or Alteration Permit	Date	Amount
1201 - REPAIR	9-26-89	$ [illegible]
1063 Bldg	8-90	1980

DESCRIPTION

978-A 2-16

W 95' OF LOTS [illegible] & [illegible]
[illegible] MONROE [illegible]
[illegible] OF SOUTH [illegible]

LAND SKETCH



LAND IMPROVEMENTS

	Dirt	✓	Sidewalk		Gas
	Gravel	✓	Water		Electric
✓	Paved	✓	Sewer		Fence
	Curb				

LAND VALUE COMPUTATIONS

Lot Size	Depth Factor	Equiv. Front	Rate	Base Value
95 x 132	= 1254 FF		$ .75	$ 940

TOTAL LAND	$
TOTAL LAND IMPROVEMENTS PKS.	$
TOTAL BUILDING	$
TOTAL APPRAISED VALUE	$

1986 - [illegible]

Year	Assessed Valuation	Board of Review	Tax Commission
1989	$	$	$
1989	3500		
1990	10,000		
1991	18000		

COMMERCIAL/INDUSTRIAL APPRAISAL RECORD CARD

☐ Commercial ☐ Industrial

COUNTY	TOWNSHIP
VILLAGE	CITY

GRANTOR	GRANTEE	SALE PRICE	SALE DATE	INST. TYPE	TERMS OF SALE	LIBER & PAGE	VERI-FIED?
VALENTINE ROGER F							
Not Responsive							

PERMANENT PARCEL NUMBER				
COUNTY	TWP.	SECTION	¼ OR SUBD.	PARCEL

PROPERTY ADDRESS

BUILDING OR ALTERATION PERMIT	DATE	AMOUNT
		$
		$

DESCRIPTION AND LAND SKETCH

OCCUPANCY:

ZONING:

80-54-700-215-50
VALENTINE ROGER F
VALENTINE HEATING & AIR COND.
60304 24TH AVE
BANGOR, MI 49013

SITE	
	LEVEL
	ROLLING
	LOW / HIGH
	LANDSCAPED
	VACANT
	IMPROVED

LAND IMPROVEMENTS	
	PAVING
	FENCE
	LIGHTS
	RR SPUR
	SCALES
	TANKS
	WELL
	SEPTIC TANK

PUBLIC IMPROVEMENTS	
	GRAVEL ROAD
	PAVED ROAD
	CURB
	SIDEWALK
	WATER
	SANITARY SEWER
	STORM SEWER
	ELECTRIC / GAS

LAND VALUE COMPUTATIONS

LOT SIZE	DEPTH FACTOR	EQUIV. FRONTAGE	RATE	TRUE CASH VALUE
				$

LAND IMPROVEMENTS	NEW	%	

TOTAL LAND PLUS IMPROVEMENTS	$
TOTAL BUILDINGS	$
TOTAL TRUE CASH VALUE	$

YEAR	ASSESSED VALUATION	BOARD OF REVIEW	TAX TRIBUNAL

OLLC

MPS FIELD APPRAISAL SHEET

COMMERCIAL BUILDINGS

OWNER R Valentine OCCUPANT

LOCATION DBA

CURRENT OCCUPANCY DATE

RENTAL INFORMATION: MONTHLY UTILITIES LEASE

BUILDING INFORMATION

CONSTRUCTION: MASONRY ✓ FRAME BRICK OTHER

STORIES 1 UPPER OCCUPANCY SIZE

AVE STORY HEIGHT NOTES

COMMON (PARTY) WALLS: YES NO

BASEMENT: YES NO ✓ FULL PART USED FOR

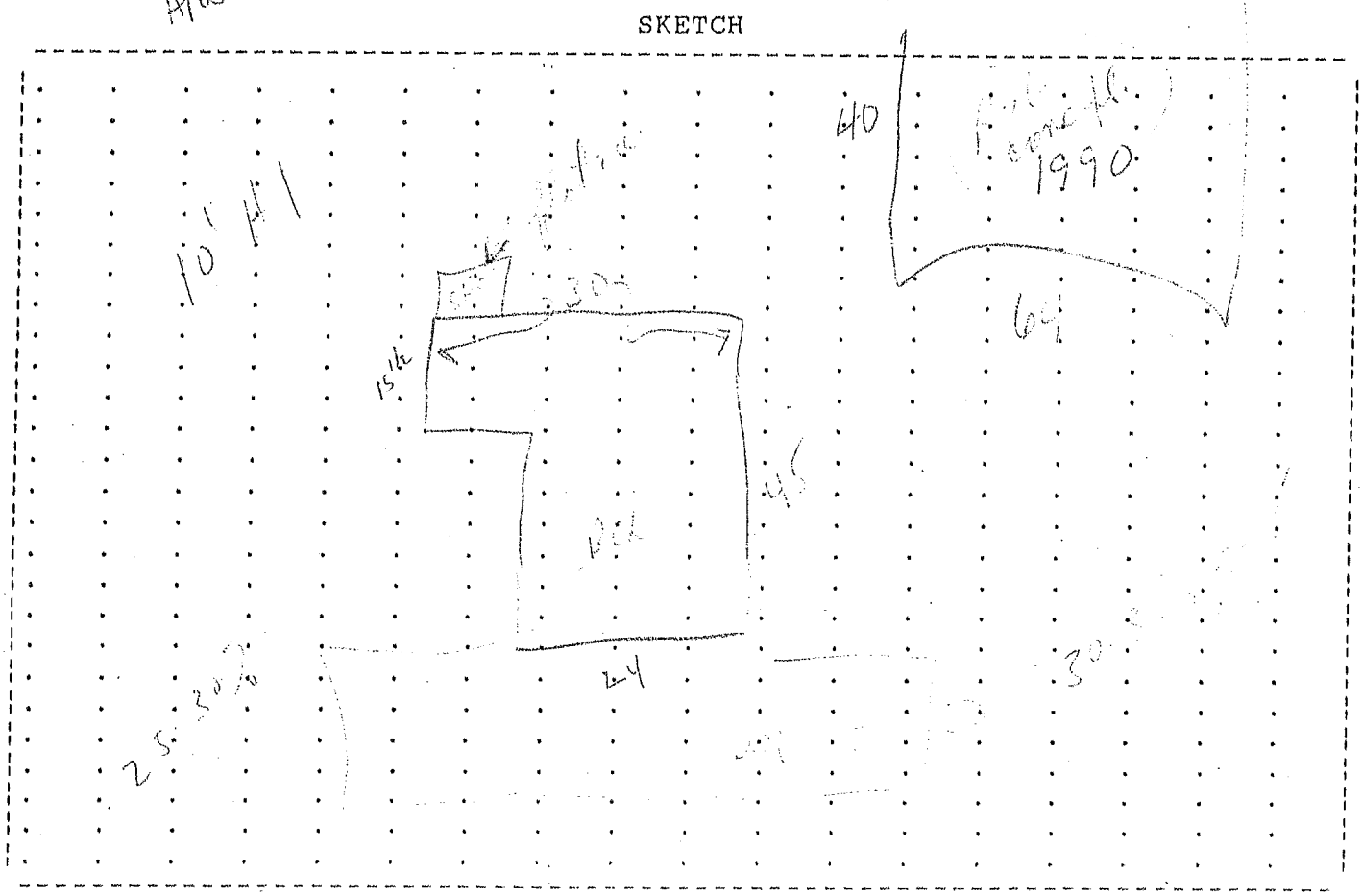
INTERIOR INFORMATION:

FLOORS conc. WALLS D/W CEILING

HEAT: GAS ✓ ELEC OTHER A/C ✓

H/W.

SKETCH



RECORDED

LIBER 1143 PAGE 313

OCT 30 11 13 AM '97

978-A (C-21,000) ADD TBILL NAME

80.54.700.215.50

MEMORANDUM OF LAND CONTRACT

ENTERED OCT 31 1997

NOTE: This transfer has been reviewed by the land description office and recorded on the tax roll.

Drafted by and Return to After Recording:
VERDONK, VERDONK & DISTEFANO
Attorneys at Law
228 West Monroe Street
Bangor, Michigan 49013
Telephone: (616)427-5601

THIS MEMORANDUM OF LAND CONTRACT, entered into on October 20, 1997,

BY AND BETWEEN: **ROGER P. VALENTINE,** a single man, whose address is Not Responsive

hereinafter referred to as the "Seller"

and: **MALCOLM D. SCOTT,** whose address is Not Responsive

hereinafter referred to as the "Purchaser"

Witnesseth:

Whereas, Purchaser and Sellers have entered into a Land Contract of even date herewith; and

Whereas, the parties desire to enter into this Memorandum of Land Contract to give record notice of existence of said Land Contract;

Now Therefore, in consideration of the Premises and for other good and valuable consideration, Sellers acknowledge and agree that they have sold to Purchaser on the Land Contract dated October 20, 1997, the following premises situated in the City of Bangor, County of Van Buren, State of Michigan, to-wit:

The West 95 feet of Lots 215 and 216, of A.H. Morrison's Map of the Village of South Bangor (now known as City of Bangor) according to the recorded plat thereof, as recorded in Liber 31 of Deeds on Page 271 in the Office of the Register of Deeds for Van Buren County.

The purpose of this Memorandum of Land Contract is to give record notice to the existence of the aforesaid Land Contract.

In Witness Whereof, the parties hereto have signed and sealed this Memorandum of Land Contract on the 20th day of October, 1997.

Executed by Seller in
the presence of:

Roger P. Valentine

Facility No: 0-018850 Comp No: 021197

Department of Environmental Quality
Underground Storage Tank Division

INSPECTION REPORT

Type of Inspection Performed: EXISTING FACILITY INSPECTION

KLW FEB 20 1997

Type of Facility: UST Number of Tanks: 0

Site Contact: Site Phone Number:
Owner's Representative: SMK JUL 11 1997 Representative's Phone:

OWNERSHIP OF TANKS	LOCATION OF TANKS
Owner Name: OWNER ADDRESS UNKNOWN Address: NEW ADDRESS <no city>, ?? <nozip>	Name: BANGOR EXPRESS Address: 720 W MONROE BANGOR, MI 49013 County: VAN BUREN

THE UST SYSTEM(S) AT THIS FACILITY WERE INSPECTED USING THE MICHIGAN UNDERGROUND STORAGE TANK RULES AND APPLICABLE SECTIONS OF THE 1992 MICHIGAN FLAMMABLE AND COMBUSTIBLE LIQUID RULES. THE FOLLOWING VIOLATIONS, IF ANY, WERE NOTED. THE SITE CONTACT PERSON WAS VERBALLY ADVISED OF THE VIOLATIONS AT THE TIME OF INSPECTION.

1. AT TIME OF AN UNDERGROUND STORAGE TANK SYSTEM CLOSURE OR CHANGE IN SERVICE THE OWNER/OPERATOR SHALL HAVE A SITE ASSESSMENT PERFORMED AS OUTLINED IN THE UST RULES.
   UST 280.72(A)

<<< End of Cited Violations >>>

COMMENTS: PROPERTY OWNED BY VALENTINE HEATING AND COOLING THEY HAVE OWNED PROPERTY FOR OVER SIX YEARS. AS FAR AS THEY NO THERE WERE NO TANKS ON THE PROPEERTY WHEN THEY BOUGHT THE PROPERTY.

97 FEB 18 PM 1:25
VAN BUREN COUNTY
ENVIRONMENTAL HEALTH

Inspection Status: FACILITY DISAPPROVED

Date of Inspection: 02/11/97 Date Compliance is Required: <not applicable>

Signature: Richard W McGee
RICK MCGEE

AUTHORITY: 1994 PA 451 1941 PA 207 COMPLIANCE: Required PENALTY: Misdemeanor, Civil Penalties, and/or Red Tagging UST System.	PLAINWELL DISTRICT OFFICE 1342 SR-89, SUITE B PLAINWELL, MI 49080-1915 Phone: (616) 692-2120, ext 114 Fax: (616) 692-3050

PR3816E

DNR

UNDERGROUND STORAGE TANK DIVISION
FACILITY INFORMATION SHEET

SITE INFORMATION

Firm Name: Bangor Express Phone: ( )

Contact Person: Title:

Street Address: 720 W. Monroe St. City:

Mailing Address: City:

State: MI Zip: 49013 Facility ID #: 18850

OWNER INFORMATION

Owner Name: Phone: ( )

Contact Person: Title:

Mailing Address: City:

State: Zip:

CONTRACTOR

Company Name: Phone: ( )

Contact Person: Title:

Mailing Address: City:

State: Zip:

FACILITY TYPE

___Public SS ___Private SS ___Marine SS ___Bulk Plant ___Commercial ___Indust. Plant ✓ UST

TANK INFORMATION

Tank #	Product	Manufacturer	Year	Capacity

Mail copy of inspection to: Site _____ Owner _____ Contractor _____

Inspector Name: R. McGee Date 2/11/97

DE-C:\FORMS\FACINFO.DOC 2/16/95

TANK REMOVED UNLEADED Heating & Cooling owns property now
since 1989 no tanks on property when they bought property

Facility No: 0-018850 Comp No: 031897

Department of Environmental Quality
Underground Storage Tank Division

RECEI

97 MAR 25

DEPT (
ENVIRONMENTA

INSPECTION REPORT

Type of Inspection Performed: RECORDS INVESTIGATION

Type of Facility: UST

Number of Tanks: ?????

Site Contact:
Owner's Representative:

Site Phone Number:
Representative's Phone:

OWNERSHIP OF TANKS	**LOCATION OF TANKS**
Owner Name: OWNER ADDRESS UNKNOWN Address: NEW ADDRESS <no city>, ?? <nozip>	Name: BANGOR EXPRESS Address: 720 W MONROE BANGOR, MI 49013 County: VAN BUREN

THE UST SYSTEM(S) AT THIS FACILITY WERE INSPECTED USING THE MICHIGAN UNDERGROUND STORAGE TANK RULES AND APPLICABLE SECTIONS OF THE 1992 MICHIGAN FLAMMABLE AND COMBUSTIBLE LIQUID RULES. THE FOLLOWING VIOLATIONS, IF ANY, WERE NOTED. THE SITE CONTACT PERSON WAS VERBALLY ADVISED OF THE VIOLATIONS AT THE TIME OF INSPECTION.

NO VIOLATIONS CITED

COMMENTS: PLEASE REMOVE THIS SITE FROM THE DATA BASE BILLING CYCLE.
tanks gone Heating & Air conditioning business bought property 9 yrs ago tanks gone then

Inspection Status: NO ACTION TAKEN

Date of Inspection: 03/18/97 Date Compliance is Required: <not applicable>

Signature: Rick McGee
RICK MCGEE

AUTHORITY: 1994 PA 451 1941 PA 207 COMPLIANCE: Required PENALTY: Misdemeanor, Civil Penalties, and/or Red Tagging UST System.	PLAINWELL DISTRICT OFFICE 1342 SR-89, SUITE B PLAINWELL, MI 49080-1915 Phone: (616) 692-2120, ext 114 Fax: (616) 692-3050

PR3816E

"Troopers Wear Safety Belts. Do YOU?"

RECEIVED
SEP-9'93
93 SEP 13 PM 1:08
MICHIGAN STATE POLICE
FIRE MARSHAL DIVISION - HQ

OUTSIDE DELIVERY LIMITS

SMK SEP 27 1993

DPC

FM-20 (7-92)

UNDERGROUND STORAGE TANKS
ANNUAL REGISTRATION INVOICE

Mail to: **Michigan State Police**
Fire Marshal Division
Hazardous Materials Section
P.O. Box 30157
Lansing, Michigan 48909

SMK SEP 28 1993

Telephone: 517 322-1935
Facsimile: 517 322-0430

August 31, 1993 Page 1 of 1

Owner Address:	Location Address:
DON KOOLE Not Responsive	BANGOR EXPRESS 720 W. MONROE BANGOR, MI 49013

The 1993 Registration Fee is NOT being assessed this year on EXISTING UST's. To receive your 1993 certificate, please verify the information by SIGNING THIS INVOICE & RETURNING IT TO the above address. If a balance is due, the signed invoice must be returned with payment. ALL CHANGES MUST BE MADE ON A REGISTRATION FORM. SIGNATURE_____

Facility No.	Tank No.	Tank Size	Contents	Registration Fee
0-018850	1	3,000 Gal	- Gasoline	DEF
0-018850	2	1,000 Gal	- Gasoline	DEF
0-018850	3	300 Gal	- Kerosene	DEF

Number of Eligible Tanks: 3
Total Number of Tanks: 3

Registration Fee:	$	0.00
Previous Balance:	$	300.00
Miscellaneous Fee:		
Late Fee:		
Amount Received:		
Balance:	$	300.00

Make Checks Payable to
STATE OF MICHIGAN

Payment Due on or Before : OCTOBER 15, 1993

AUTHORITY : 1984 PA 423
COMPLIANCE : Required
PENALTIES : Any owner who knowingly fails to pay or submits false information shall be subject to a misdemeanor and or civil penalties.

WHITE - RETURN TO FIRE MARSHAL DIVISION HQ
YELOW - FOR OWNER'S RECORDS

[illegible] 31, 1993 Page 1 of [illegible]

[illegible]
[illegible]
[illegible]

GAMMON MYRPHEE
720 W. MONROE
BOZEMAN, MT 59715

[illegible] Pro 1: NOT being accessed this year on PERSTWG PST [illegible]
[illegible] 3 credits, please verify the information by REVIEWING
the INVOICE & RETURNING IT TO the above address. If a balance is due, the
[illegible] be returned with payment. ALL CHANGES MUST BE MADE ON A
SATISFACTION SLIP - [illegible]

[illegible]	1	3,000 Gal - Gasoline	DEF
[illegible]	1	1,000 Gal - Gasoline	DEF
[illegible]	2	300 Gal - Fertilizer	DEF

[illegible]

Registration Fee	$	0.[illegible]
Previous Balance	$	240.[illegible]
Miscellaneous [illegible]		
Late Fee		
Amount Received		
Balance	$	[illegible]

OCTOBER 15, 1994

FM-20 (7-92)

UNDERGROUND STORAGE TANKS
ANNUAL REGISTRATION INVOICE

Mail to: **Michigan State Police**
Fire Marshal Division
Hazardous Materials Section
P.O. Box 30157
Lansing, Michigan 48909

Telephone: 517 322-1935
Facsimile: 517 322-0430

August 31, 1993

Owner Address:	Location Address:
DON KOOLE Not Responsive	BANGOR EXPRESS 720 W. MONROE BANGOR, MI 49013

The 1993 Registration Fee is NOT being assessed this year on EXISTING UST's. To receive your 1993 certificate, please verify the information by SIGNING THIS INVOICE & RETURNING IT TO the above address. If a balance is due, the signed invoice must be returned with payment. ALL CHANGES MUST BE MADE ON A REGISTRATION FORM. SIGNATURE_____

Facility No.	Tank No.	Tank Size	Contents	Registration Fee
0-018850	1	3,000 Gal	- Gasoline	DEF
0-018850	2	1,000 Gal	- Gasoline	DEF
0-018850	3	300 Gal	- Kerosene	DEF

Number of Eligible Tanks: 3
Total Number of Tanks: 3

Registration Fee:	$	0.00
Previous Balance:	$	300.00
Miscellaneous Fee:		
Late Fee:		
Amount Received:		
Balance:	$	300.00

Make Checks Payable to
STATE OF MICHIGAN

Payment Due on or Before : OCTOBER 15, 1993

AUTHORITY : 1984 PA 423
COMPLIANCE : Required
PENALTIES : Any owner who knowingly fails to pay or submits false information shall be subject to a misdemeanor and or civil penalties.

WHITE - RETURN TO FIRE MARSHAL DIVISION HQ
YELOW - FOR OWNER'S RECORDS

"Troopers Wear
Safety Belts.
Do YOU?"

PRESORTED
FIRST-CLASS

SMK SEP 03 1993

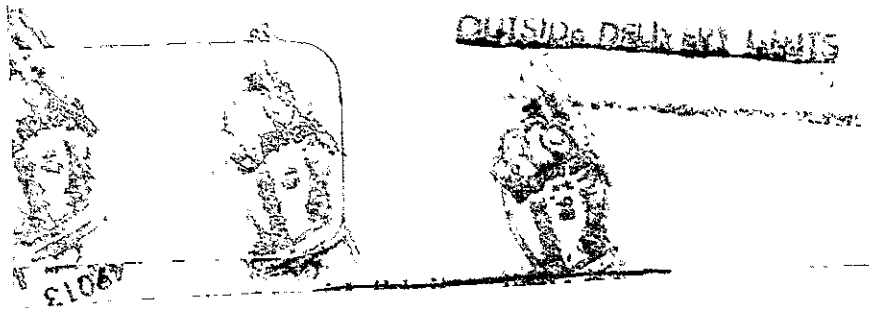
OUTSIDE DELIVERY LIMITS

JUL 12'93
RECEIVED
681/673

93 JUL 15 PM 1:51

MICHIGAN STATE POLICE
FIRE MARSHAL DIVISION - HQ

OUTSIDE DELIVERY LIMITS



FM-20 (7-92)

UNDERGROUND STORAGE TANKS
ANNUAL REGISTRATION INVOICE

Mail to: **Michigan State Police**
Fire Marshal Division
Hazardous Materials Section
P.O. Box 30157
Lansing, Michigan 48909

SMK SEP 03 1993

Telephone: 517 322-1935
Facsimile: 517 322-0430

June 25, 1993

Owner Address:	Location Address:
DON KOOLE Not Responsive	BANGOR EXPRESS 720 W. MONROE BANGOR, MI 49013

The 1993 Registration Fee is NOT beinag assessed this year on EXISTING UST's. To receive your 1993 certificate, please verify the information by SIGNING THIS INVOICE & RETURNING IT TO the above address. If a balance is due, the signed invoice must be returned with payment. ALL CHANGES MUST BE MADE ON A REGISTRATION FORM. SIGNATURE_____

Facility No.	Tank No.	Tank Size	Contents	Registration Fee
0-018850	1	3,000 Gal	- Gasoline	DEF
0-018850	2	1,000 Gal	- Gasoline	DEF
0-018850	3	300 Gal	- Kerosene	DEF

Number of Eligible Tanks: 3
Total Number of Tanks: 3

Registration Fee:	$	0.00
Previous Balance:	$	300.00
Miscellaneous Fee:		
Late Fee:		
Amount Received:		
Balance:	$	300.00

Make Checks Payable to
STATE OF MICHIGAN

Payment Due on or Before : AUGUST 9, 1993

AUTHORITY : 1984 PA 423
COMPLIANCE : Required
PENALTIES : Any owner who knowingly fails to pay or submits false information shall be subject to a misdemeanor and or civil penalties.

WHITE - RETURN TO FIRE MARSHAL DIVISION HQ
YELOW - FOR OWNER'S RECORDS

FM-20 (7-92)

UNDERGROUND STORAGE TANKS
ANNUAL REGISTRATION INVOICE

Mail to: **Michigan State Police**
Fire Marshal Division
Hazardous Materials Section
P.O. Box 30157
Lansing, Michigan 48909

Telephone: 517 322-1935
Facsimile: 517 322-0430

June 25, 1993

Owner Address:	Location Address:
DON KOOLE Not Responsive I	BANGOR EXPRESS 720 W. MONROE BANGOR, MI 49013

The 1993 Registration Fee is NOT beinag assessed this year on EXISTING UST's. To receive your 1993 certificate, please verify the information by SIGNING THIS INVOICE & RETURNING IT TO the above address. If a balance is due, the signed invoice must be returned with payment. ALL CHANGES MUST BE MADE ON A REGISTRATION FORM. SIGNATURE_____

Facility No.	Tank No.	Tank Size	Contents	Registration Fee
0-018850	1	3,000 Gal	- Gasoline	DEF
0-018850	2	1,000 Gal	- Gasoline	DEF
0-018850	3	300 Gal	- Kerosene	DEF

Number of Eligible Tanks: 3
Total Number of Tanks: 3

Registration Fee:	$	0.00
Previous Balance:	$	300.00
Miscellaneous Fee:		
Late Fee:		
Amount Received:		
Balance:	$	300.00

Make Checks Payable to
STATE OF MICHIGAN

Payment Due on or Before : AUGUST 9, 1993

AUTHORITY : 1984 PA 423
COMPLIANCE : Required
PENALTIES : Any owner who knowingly fails to pay or submits false information shall be subject to a misdemeanor and or civil penalties.

WHITE - RETURN TO FIRE MARSHAL DIVISION HQ
YELOW - FOR OWNER'S RECORDS

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR TANKS IN MI

RETURN COMPLETED FORM TO

Ground Water Quality Division
Department of Natural Resources
Box 30157
Lansing, MI 48909

RECEIVED
APR 28 1986

I.D. Number **STATE USE ONLY** 018850

Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: **1.** gasoline, used oil, or diesel fuel, and **2.** industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? **1.** Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. **2.** Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. **This form must be completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached [ ]

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Fleming Brothers Oil Company

Street Address
Route #2 Box 223

County
Allegan

City: South Haven | State: MI | ZIP Code: 49090

Area Code: 616 | Phone Number: 637-5255

Type of Owner *(Mark all that apply ☒)*

- [ ] Current
- [ ] Former
- [ ] State or Local Gov't
- [ ] Federal Gov't (GSA facility I.D. no. _____)
- [x] Private or Corporate
- [ ] Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here [ ])

Facility Name or Company Site Identifier, as applicable
Bangor Express

Street Address or State Road, as applicable
720 W. Monroe

County
Van Buren

City (nearest): Bangor | State: MI | ZIP Code: 49013

Indicate number of tanks at this location: 3

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands [ ]

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here [ ]): Don and Wilma Kool

Job Title: Manager

Area Code: 616 | Phone Number: 427-8464

IV. TYPE OF NOTIFICATION

[ ] Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative: Thomas J. Fleming

Signature: Thomas J. Fleming

Date Signed: 4/21/86

CONTINUE ON REVERSE SIDE

018850

Owner Name (from Section I) Fleming Bros. Oil Location (from Section II) Bangor Express Page No. 1 of 1 Pages

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3,...)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
		12	3		
1. Status of Tank *(Mark all that apply ☒)* — Currently in Use	X	X	X		
Temporarily Out of Use					
Permanently Out of Use					
Brought Into Use after 5/8/86					
2. Estimated Age (Years)	7	7	7		
3. Estimated Total Capacity (Gallons)	3000	1000	300		
4. Material of Construction *(Mark one ☒)* — Steel	X	X	X		
Concrete					
Fiberglass Reinforced Plastic					
Unknown					
Other, Please Specify					
5. Internal Protection *(Mark all that apply ☒)* — Cathodic Protection					
Interior Lining (e.g., epoxy resins)					
None	X	X	X		
Unknown					
Other, Please Specify					
6. External Protection *(Mark all that apply ☒)* — Cathodic Protection	X	X	X		
Painted (e.g., asphaltic)					
Fiberglass Reinforced Plastic Coated					
None					
Unknown					
Other, Please Specify	plastic wrap	plastic wrap	plastic wrap		
7. Piping *(Mark all that apply ☒)* — Bare Steel					
Galvanized Steel	X	X	X		
Fiberglass Reinforced Plastic					
Cathodically Protected					
Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume *(Mark all that apply ☒)* — **a. Empty**					
b. Petroleum					
Diesel					
Kerosene			X		
Gasoline (including alcohol blends)	X	X			
Used Oil					
Other, Please Specify					
c. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance					
OR Chemical Abstract Service (CAS) No.					
Mark box ☒ if tank stores a mixture of substances					
d. Unknown					
9. Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)					
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)					

☆ U.S. Government Printing Office: 1986—494-735

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR TANKS IN **MI**

RETURN COMPLETED FORM TO: Ground Water Quality Division, Department of Natural Resources, Box 30157, Lansing, MI 48909

JUN 30 1986

GQD-COMPLIANCE

I.D. Number: 10850

Date Received:

STATE USE ONLY

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

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(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: **1.** gasoline, used oil, or diesel fuel, and **2.** industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. **2.** Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. **This form must by completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached: [ ]

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity): Don and Wilma Kool

Street Address: 720 W. Monroe

County: Van Buren

City: Bangor | State: MI | ZIP Code: 49013

Area Code: 616 | Phone Number: 427-8464

Type of Owner (*Mark all that apply* [X])

- [ ] Current
- [ ] Former
- [ ] State or Local Gov't
- [ ] Federal Gov't (GSA facility I.D. no. _____)
- [X] Private or Corporate
- [ ] Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here [ ])

Facility Name or Company Site Identifier, as applicable: Bangor Express

Street Address or State Road, as applicable: 720. W. Monroe

County: Van Buren

City (nearest): Bangor, MI | State: | ZIP Code: 49013

Indicate number of tanks at this location: 3

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands: [ ]

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here [X]) | Job Title | Area Code | Phone Number

IV. TYPE OF NOTIFICATION

[X] Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative	Signature	Date Signed
X Thomas Fleming	X Thomas Fleming	X 6/28/86

CONTINUE ON REVERSE SIDE

Owner Name (from Section I) Don and Wilma Kool Location (from Section II) Bangor Express Page No. 1 of 1 Pages

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS *(Complete for each tank at this location.)*

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No. 3	Tank No.	Tank No.
1. Status of Tank *(Mark all that apply ☒)* — Currently in Use	X	X	X		
Temporarily Out of Use					
Permanently Out of Use					
Brought into Use after 5/8/86					
2. Estimated Age (Years)	7	7	7		
3. Estimated Total Capacity (Gallons)	3000	1000	300		
4. Material of Construction *(Mark one ☒)* — Steel	X	X	X		
Concrete					
Fiberglass Reinforced Plastic					
Unknown					
Other, Please Specify					
5. Internal Protection *(Mark all that apply ☒)* — Cathodic Protection					
Interior Lining (e.g., epoxy resins)					
None	X	X	X		
Unknown					
Other, Please Specify					
6. External Protection *(Mark all that apply ☒)* — Cathodic Protection	X	X	X		
Painted (e.g., asphaltic)					
Fiberglass Reinforced Plastic Coated					
None					
Unknown					
Other, Please Specify	plastic wrap	plastic wrap	plastic wrap		
7. Piping *(Mark all that apply ☒)* — Bare Steel					
Galvanized Steel	X	X	X		
Fiberglass Reinforced Plastic					
Cathodically Protected					
Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume *(Mark all that apply ☒)* — **a. Empty**					
b. Petroleum — Diesel					
Kerosene			X		
Gasoline (including alcohol blends)	X	X			
Used Oil					
Other, Please Specify					
c. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance					
OR Chemical Abstract Service (CAS) No.					
Mark box ☒ if tank stores a mixture of substances					
d. Unknown					
9. Additional Information (for tanks permanently taken out of service) — a. Estimated date last used (mo/yr)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)					
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)					

FLEMING BROS.
OIL CO., INC.
Gasoline - Fuel Oil
Rt. 2, Box 223, South Haven, MI 49090

KALAMAZOO, MI 430
PM
28 JUN
1986

USA 22

Address Correction Requested

Ground Water Division
Department of Natural Resources
Box 30157
Lansing, MI 48909

61

APPENDIX G

USER'S RESPONSIBILITIES DOCUMENTATION
USER QUESTIONNAIRE

© envirologic

envirologic
environmental consulting + services

2960 Interstate Parkway | Kalamazoo, MI 49048
P 269.342.1100 | F 269.342.4945 | W envirologic.com

USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's Name: Mr. Donald Cleveland

User's Telephone No.: (269) 501-1706 c/o Ms. Coleen Daggett

User's Fax No.: NA

Subject Property: Former Bangor Heating & Cooling

Property Address: 720 W. Monroe St.

City: Bangor, Michigan

1.0 Environmental Cleanup Liens:

Are you aware of any environmental cleanup liens against the property that are filed, recorded or unrecorded under federal, tribal, state or local law?

☐ Yes (If "Yes," please describe) ☒ No

2.0 Activity and Land Use Limitations:

Are you aware of any activity and land use limitations, such as engineering Controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

☐ Yes (If "Yes," please describe) ☒ No

3.0 Specialized Knowledge or Experience of the User:

(a) As the user of this ESA, do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

☐ Yes (If "Yes," please describe) ☒ No

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes (If "Yes," please describe) ☒ No

4.0 Relationship of Purchase Price to Fair Market Value:

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☒ Yes (If "Yes," please describe) ☐ No

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

☐ Yes (If "Yes," please describe) ☐ No

5.0 Commonly Known or Reasonably Ascertainable Information:

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Please list: "[Click here and type]"

(b) Do you know the specific chemicals that are present or once were present on the property?

☐ Yes (If "Yes," please describe) ☒ No

(c) Do you know of spills or other chemical releases that have taken place on the property?

☐ Yes (If "Yes," please describe) ☒ No

(d) Do you know of any environmental cleanups that have taken place at the property?

☐ Yes (If "Yes," please describe) ☒ No

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6.0 Presence or Likely Presence of Contamination:

As the user of this ESA, and based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ Yes (If "Yes," please describe) ☒ No

The preparer presents that to the best of his/her knowledge, the above statements and facts are true and correct and that to the best of the preparer's knowledge, no material facts have been omitted or misstated.

User's Signature: Mr. Cleveland per EAP interview with representative Coleen Daggett

User's Printed Name: Mr. Donald Cleveland

Date: 1-16-12

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APPENDIX H

PHASE II ENVIRONMENTAL SITE ASSESSMENT DOCUMENTATION

GROUND PENETRATING RADAR (GPR) GEOPHYSICAL SURVEY
TRIMATRIX LABORATORIES, INC. ANALYTICAL REPORT
DATA VALIDATION REPORT

© envirologic

December 30, 2011

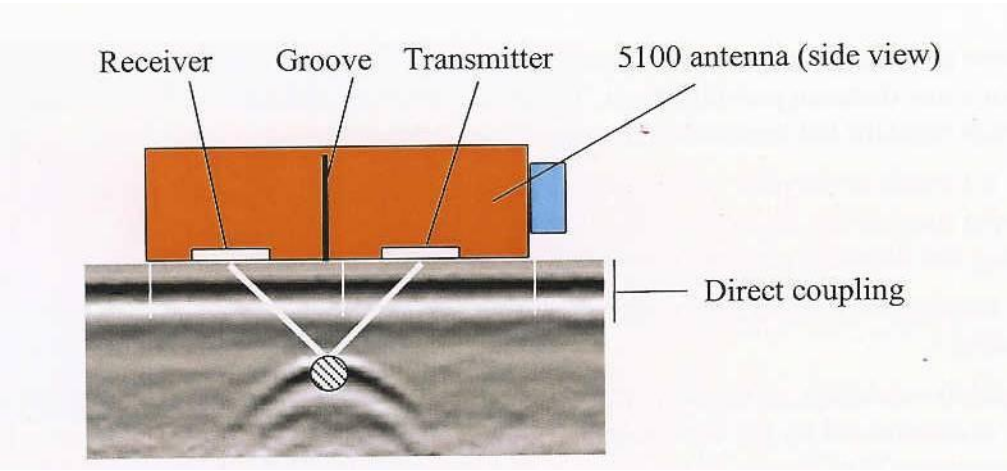
Erik Peterson
Envirologic Technologies
2960 Interstate Parkway
Kalamazoo, MI 49048
epeterson@envirologic.com

Report Number: 00001236

Survey Site: 720 W Monroe, Bangor Mi

Executive Summary:
Utilize Ground Penetrating Radar to investigate for the evidence of remaining underground storage tanks in an approximately 125' x 80' area.

GPR Information and Background:
GPR has been used extensively in the past for geological and archeological exploration and mapping; however, it has only been since 2001 that GPR had the capability to image shallow targets. The system used for this project has the ability to image targets to a depth of 12 feet with an accuracy of ± 2 inches. The 400 MHz antenna broadcasts a microwave energy pulse of less than 1/6th watt at a rate of 100 ns. This energy pulse is timed as it propagates through a material noting when a return pulse arrives. The time and strength of the return pulse is captured and analyzed and interpreted graphically. This process is shown in the figure of a 1500 MHz antenna below.



Project Layout:

Scans were completed at 5 feet intervals in the north-south and east-west directions throughout the work area described above. These scans were performed in grid layout as separate files for review if necessary. The raw data files are supplied separately from this report.

Project Results:

Data that was taken on the west side of the building showed possible areas that have been excavated and lines running to the old fuel island were also located, these lines ended at the pavement edge running toward the north-west.
Evidence of debris in the soil was also dug up by hand.
Results of the survey did not indicate the presence of UST's in any of the highlighted areas.

Sincerely,

Aaron Carlson
Radar Survey Technician

DIAMOND
SUBSURFACE IMAGING

Area in yellow had possible signs of excavation and debris.
Areas in red were free scan areas, no UST's were located.

855 Godfrey Avenue SW, Grand Rapids, MI 49503
P: 616.245.3100 F: 616.245.3223

1176 Gernaat Court, Portage, MI 49002
P: 269.327.1919 F: 269.327.2707

www.diamondsubsurfaceimaging.com

January 16, 2012

Envirologic Technologies, Inc.
Attn: Erik Peterson
2960 Interstate Parkway
Kalamazoo, MI 49048

Project: VBCBRA/110448

Dear Erik Peterson,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	Received	Description
1112454	12/30/2011	VB1211, 110448-C

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP (#ADE-1542); Arkansas DEP (#10-046-0); Florida DEP (#E87622-05); Georgia EPD (#E87622-05); Illinois DEP (#002656); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#03068); Michigan DPH (#0034); Minnesota DPH (#026-999-161); New York ELAP (#44950); North Carolina DNRE (#659); Rhode Island DPH (#E87622); Texas CEQ (#T104704495-11-1); Virginia DCLS (#919); Wisconsin DNR (#999472650).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications section of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Lisa M. Harvey
Project Chemist

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 4**	Sampled:	12/28/11 11:05
Lab Sample ID:	**1112454-01**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	93		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.054U	0.054	0.023
106-93-4	1,2-Dibromoethane	0.054U	0.054	0.016
107-06-2	1,2-Dichloroethane	0.054U	0.054	0.026
100-41-4	Ethylbenzene	0.054U	0.054	0.021
108-88-3	Toluene	0.11U	0.11	0.024
95-63-6	1,2,4-Trimethylbenzene	0.11U	0.11	0.020
108-67-8	1,3,5-Trimethylbenzene	0.11U	0.11	0.020
1330-20-7	Xylene (Total)	0.16U	0.16	0.063

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*75-123*
1,2-Dichloroethane-d4	*98*	*83-116*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 4**	Sampled:	12/28/11 11:05
Lab Sample ID:	**1112454-01**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	93		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.36U	0.36	0.0036
208-96-8	Acenaphthylene	0.36U	0.36	0.0036
120-12-7	Anthracene	0.36U	0.36	0.0011
56-55-3	Benzo(a)anthracene	0.36U	0.36	0.0036
50-32-8	Benzo(a)pyrene	0.36U	0.36	0.0036
205-99-2	Benzo(b)fluoranthene	0.36U	0.36	0.0021
191-24-2	Benzo(g,h,i)perylene	**0.024J**	0.36	0.0020
207-08-9	Benzo(k)fluoranthene	0.36U	0.36	0.0019
218-01-9	Chrysene	0.36U	0.36	0.0013
53-70-3	Dibenz(a,h)anthracene	0.36U	0.36	0.018
206-44-0	Fluoranthene	0.36U	0.36	0.0036
86-73-7	Fluorene	0.36U	0.36	0.0021
193-39-5	Indeno(1,2,3-cd)pyrene	**0.0040J**	0.36	0.0021
91-57-6	2-Methylnaphthalene	0.36U	0.36	0.00092
91-20-3	Naphthalene	0.36U	0.36	0.00098
85-01-8	Phenanthrene	0.36U	0.36	0.0036
129-00-0	Pyrene	0.36U	0.36	0.0012

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*83*	*33-131*
2-Fluorobiphenyl	*87*	*46-122*
o-Terphenyl	*87*	*20-155*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 4**	Sampled:	12/28/11 11:05
Lab Sample ID:	**1112454-01**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	93		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**9.8**	0.50	0.033	mg/kg dry wt.	5	USEPA-6020A	01/12/12 09:18	DSC	1200040

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 4**	Sampled:	12/28/11 11:05
Lab Sample ID:	**1112454-01**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**93**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-2 @ 4**	Sampled:	12/28/11 10:45
Lab Sample ID:	**1112454-02**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	90		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.055U	0.055	0.023
106-93-4	1,2-Dibromoethane	0.055U	0.055	0.017
107-06-2	1,2-Dichloroethane	0.055U	0.055	0.027
100-41-4	Ethylbenzene	0.055U	0.055	0.022
108-88-3	Toluene	0.11U	0.11	0.024
95-63-6	1,2,4-Trimethylbenzene	0.11U	0.11	0.020
108-67-8	1,3,5-Trimethylbenzene	0.11U	0.11	0.020
1330-20-7	Xylene (Total)	0.17U	0.17	0.065

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*75-123*
1,2-Dichloroethane-d4	*101*	*83-116*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-2 @ 4**	Sampled:	12/28/11 10:45
Lab Sample ID:	**1112454-02**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	90		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.37U	0.37	0.0037
208-96-8	Acenaphthylene	0.37U	0.37	0.0037
120-12-7	Anthracene	0.37U	0.37	0.0012
56-55-3	Benzo(a)anthracene	0.37U	0.37	0.0037
50-32-8	Benzo(a)pyrene	0.37U	0.37	0.0037
205-99-2	Benzo(b)fluoranthene	0.37U	0.37	0.0022
191-24-2	Benzo(g,h,i)perylene	0.37U	0.37	0.0021
207-08-9	Benzo(k)fluoranthene	0.37U	0.37	0.0020
218-01-9	Chrysene	0.37U	0.37	0.0014
53-70-3	Dibenz(a,h)anthracene	0.37U	0.37	0.019
206-44-0	Fluoranthene	0.37U	0.37	0.0037
86-73-7	Fluorene	0.37U	0.37	0.0022
193-39-5	Indeno(1,2,3-cd)pyrene	0.37U	0.37	0.0022
91-57-6	2-Methylnaphthalene	0.37U	0.37	0.00094
91-20-3	Naphthalene	0.37U	0.37	0.0010
85-01-8	Phenanthrene	0.37U	0.37	0.0037
129-00-0	Pyrene	0.37U	0.37	0.0012

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*77*	*33-131*
2-Fluorobiphenyl	*82*	*46-122*
o-Terphenyl	*85*	*20-155*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-2 @ 4**	Sampled:	12/28/11 10:45
Lab Sample ID:	**1112454-02**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	90		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**1.9**	0.092	0.0061	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:46	DSC	1200040

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-2 @ 4**	Sampled:	12/28/11 10:45
Lab Sample ID:	**1112454-02**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**90**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-3 @ 5**	Sampled:	12/28/11 13:25
Lab Sample ID:	**1112454-03**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	89		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.056U	0.056	0.024
106-93-4	1,2-Dibromoethane	0.056U	0.056	0.017
107-06-2	1,2-Dichloroethane	0.056U	0.056	0.027
100-41-4	Ethylbenzene	0.056U	0.056	0.022
108-88-3	Toluene	0.11U	0.11	0.025
95-63-6	1,2,4-Trimethylbenzene	**1.2**	0.11	0.021
108-67-8	1,3,5-Trimethylbenzene	**0.44**	0.11	0.021
1330-20-7	Xylene (Total)	0.17U	0.17	0.066

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*93*	*75-123*
1,2-Dichloroethane-d4	*98*	*83-116*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*110*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-3 @ 5**	Sampled:	12/28/11 13:25
Lab Sample ID:	**1112454-03**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	89		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.37U	0.37	0.0038
208-96-8	Acenaphthylene	**0.050J**	0.37	0.0038
120-12-7	Anthracene	**0.014J**	0.37	0.0012
56-55-3	Benzo(a)anthracene	**0.030J**	0.37	0.0038
50-32-8	Benzo(a)pyrene	**0.030J**	0.37	0.0038
*205-99-2	Benzo(b)fluoranthene	**0.060J**	0.37	0.0022
191-24-2	Benzo(g,h,i)perylene	**0.027J**	0.37	0.0021
*207-08-9	Benzo(k)fluoranthene	**0.015J**	0.37	0.0020
218-01-9	Chrysene	**0.033J**	0.37	0.0014
53-70-3	Dibenz(a,h)anthracene	0.37U	0.37	0.019
206-44-0	Fluoranthene	**0.071J**	0.37	0.0038
86-73-7	Fluorene	**0.021J**	0.37	0.0022
193-39-5	Indeno(1,2,3-cd)pyrene	**0.027J**	0.37	0.0022
91-57-6	2-Methylnaphthalene	0.37U	0.37	0.00096
91-20-3	Naphthalene	0.37U	0.37	0.0010
85-01-8	Phenanthrene	**0.055J**	0.37	0.0038
129-00-0	Pyrene	**0.058J**	0.37	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*49*	*33-131*
** 2-Fluorobiphenyl*	*65*	*46-122*
o-Terphenyl	*79*	*20-155*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-3 @ 5**	Sampled:	12/28/11 13:25
Lab Sample ID:	**1112454-03**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	89		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**4.1**	0.10	0.0066	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:48	DSC	1200040

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-3 @ 5**	Sampled:	12/28/11 13:25
Lab Sample ID:	**1112454-03**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**89**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 10**	Sampled:	12/28/11 13:50
Lab Sample ID:	**1112454-04**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	83		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.060U	0.060	0.025
106-93-4	1,2-Dibromoethane	0.060U	0.060	0.018
107-06-2	1,2-Dichloroethane	0.060U	0.060	0.029
100-41-4	Ethylbenzene	**0.046J**	0.060	0.024
108-88-3	Toluene	0.12U	0.12	0.027
95-63-6	1,2,4-Trimethylbenzene	**0.050J**	0.12	0.022
108-67-8	1,3,5-Trimethylbenzene	0.12U	0.12	0.022
1330-20-7	Xylene (Total)	0.18U	0.18	0.070

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*94*	*75-123*
1,2-Dichloroethane-d4	*100*	*83-116*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 10**	Sampled:	12/28/11 13:50
Lab Sample ID:	**1112454-04**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	83		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.40U	0.40	0.0040
208-96-8	Acenaphthylene	0.40U	0.40	0.0040
120-12-7	Anthracene	0.40U	0.40	0.0013
*56-55-3	Benzo(a)anthracene	0.40U	0.40	0.0040
50-32-8	Benzo(a)pyrene	0.40U	0.40	0.0040
205-99-2	Benzo(b)fluoranthene	0.40U	0.40	0.0024
191-24-2	Benzo(g,h,i)perylene	0.40U	0.40	0.0023
207-08-9	Benzo(k)fluoranthene	0.40U	0.40	0.0021
*218-01-9	Chrysene	0.40U	0.40	0.0015
53-70-3	Dibenz(a,h)anthracene	0.40U	0.40	0.020
206-44-0	Fluoranthene	0.40U	0.40	0.0040
86-73-7	Fluorene	0.40U	0.40	0.0024
193-39-5	Indeno(1,2,3-cd)pyrene	0.40U	0.40	0.0024
91-57-6	2-Methylnaphthalene	**0.24J**	0.40	0.0010
91-20-3	Naphthalene	**0.18J**	0.40	0.0011
85-01-8	Phenanthrene	0.40U	0.40	0.0040
129-00-0	Pyrene	0.40U	0.40	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*74*	*33-131*
2-Fluorobiphenyl	*74*	*46-122*
o-Terphenyl	*80*	*20-155*

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 10**	Sampled:	12/28/11 13:50
Lab Sample ID:	**1112454-04**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	83		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**8.4**	0.10	0.0066	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:51	DSC	1200040

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 10**	Sampled:	12/28/11 13:50
Lab Sample ID:	**1112454-04**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**83**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-5 @ 10**	Sampled:	12/28/11 14:10
Lab Sample ID:	**1112454-05**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	85		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.059U	0.059	0.025
106-93-4	1,2-Dibromoethane	0.059U	0.059	0.018
107-06-2	1,2-Dichloroethane	0.059U	0.059	0.028
100-41-4	Ethylbenzene	0.059U	0.059	0.023
108-88-3	Toluene	0.12U	0.12	0.026
95-63-6	1,2,4-Trimethylbenzene	0.12U	0.12	0.022
108-67-8	1,3,5-Trimethylbenzene	0.12U	0.12	0.022
1330-20-7	Xylene (Total)	0.18U	0.18	0.069

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*75-123*
1,2-Dichloroethane-d4	*100*	*83-116*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-5 @ 10**	Sampled:	12/28/11 14:10
Lab Sample ID:	**1112454-05**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	85		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.39U	0.39	0.0039
208-96-8	Acenaphthylene	0.39U	0.39	0.0039
120-12-7	Anthracene	0.39U	0.39	0.0012
56-55-3	Benzo(a)anthracene	0.39U	0.39	0.0039
50-32-8	Benzo(a)pyrene	0.39U	0.39	0.0039
205-99-2	Benzo(b)fluoranthene	0.39U	0.39	0.0023
191-24-2	Benzo(g,h,i)perylene	0.39U	0.39	0.0022
207-08-9	Benzo(k)fluoranthene	0.39U	0.39	0.0021
*218-01-9	Chrysene	0.39U	0.39	0.0014
53-70-3	Dibenz(a,h)anthracene	0.39U	0.39	0.020
206-44-0	Fluoranthene	0.39U	0.39	0.0039
86-73-7	Fluorene	0.39U	0.39	0.0023
193-39-5	Indeno(1,2,3-cd)pyrene	0.39U	0.39	0.0023
91-57-6	2-Methylnaphthalene	0.39U	0.39	0.0010
91-20-3	Naphthalene	0.39U	0.39	0.0011
85-01-8	Phenanthrene	0.39U	0.39	0.0039
129-00-0	Pyrene	0.39U	0.39	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*76*	*33-131*
2-Fluorobiphenyl	*84*	*46-122*
o-Terphenyl	*83*	*20-155*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-5 @ 10**	Sampled:	12/28/11 14:10
Lab Sample ID:	**1112454-05**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	85		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**8.6**	0.10	0.0066	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:53	DSC	1200040

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-5 @ 10**	Sampled:	12/28/11 14:10
Lab Sample ID:	**1112454-05**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**85**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-6 @ 10**	Sampled:	12/28/11 14:30
Lab Sample ID:	**1112454-06**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	87		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.057U	0.057	0.024
106-93-4	1,2-Dibromoethane	0.057U	0.057	0.017
107-06-2	1,2-Dichloroethane	0.057U	0.057	0.028
100-41-4	Ethylbenzene	0.057U	0.057	0.023
108-88-3	Toluene	0.11U	0.11	0.025
95-63-6	1,2,4-Trimethylbenzene	0.11U	0.11	0.021
108-67-8	1,3,5-Trimethylbenzene	0.11U	0.11	0.021
1330-20-7	Xylene (Total)	0.17U	0.17	0.067

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*75-123*
1,2-Dichloroethane-d4	*99*	*83-116*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-6 @ 10**	Sampled:	12/28/11 14:30
Lab Sample ID:	**1112454-06**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	87		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.38U	0.38	0.0038
208-96-8	Acenaphthylene	0.38U	0.38	0.0038
120-12-7	Anthracene	0.38U	0.38	0.0012
56-55-3	Benzo(a)anthracene	0.38U	0.38	0.0038
50-32-8	Benzo(a)pyrene	0.38U	0.38	0.0038
205-99-2	Benzo(b)fluoranthene	0.38U	0.38	0.0022
191-24-2	Benzo(g,h,i)perylene	0.38U	0.38	0.0022
207-08-9	Benzo(k)fluoranthene	0.38U	0.38	0.0020
218-01-9	Chrysene	0.38U	0.38	0.0014
53-70-3	Dibenz(a,h)anthracene	0.38U	0.38	0.019
206-44-0	Fluoranthene	0.38U	0.38	0.0038
86-73-7	Fluorene	0.38U	0.38	0.0023
193-39-5	Indeno(1,2,3-cd)pyrene	0.38U	0.38	0.0022
91-57-6	2-Methylnaphthalene	0.38U	0.38	0.00098
91-20-3	Naphthalene	0.38U	0.38	0.0010
85-01-8	Phenanthrene	0.38U	0.38	0.0038
129-00-0	Pyrene	0.38U	0.38	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*77*	*33-131*
2-Fluorobiphenyl	*82*	*46-122*
o-Terphenyl	*82*	*20-155*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-6 @ 10**	Sampled:	12/28/11 14:30
Lab Sample ID:	**1112454-06**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	87		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**6.8**	0.10	0.0066	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:56	DSC	1200040

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-6 @ 10**	Sampled:	12/28/11 14:30
Lab Sample ID:	**1112454-06**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**87**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 10**	Sampled:	12/28/11 14:50
Lab Sample ID:	**1112454-07**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	86		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.058U	0.058	0.024
106-93-4	1,2-Dibromoethane	0.058U	0.058	0.018
107-06-2	1,2-Dichloroethane	0.058U	0.058	0.028
100-41-4	Ethylbenzene	**0.83**	0.058	0.023
108-88-3	Toluene	0.12U	0.12	0.026
95-63-6	1,2,4-Trimethylbenzene	**0.79**	0.12	0.021
108-67-8	1,3,5-Trimethylbenzene	**0.59**	0.12	0.021
1330-20-7	Xylene (Total)	**0.072J**	0.17	0.068

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*75-123*
1,2-Dichloroethane-d4	*101*	*83-116*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*103*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 10**	Sampled:	12/28/11 14:50
Lab Sample ID:	**1112454-07**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	86		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.38U	0.38	0.0039
208-96-8	Acenaphthylene	0.38U	0.38	0.0039
120-12-7	Anthracene	0.38U	0.38	0.0012
56-55-3	Benzo(a)anthracene	0.38U	0.38	0.0039
50-32-8	Benzo(a)pyrene	0.38U	0.38	0.0039
*205-99-2	Benzo(b)fluoranthene	**0.0036J**	0.38	0.0023
191-24-2	Benzo(g,h,i)perylene	**0.0032J**	0.38	0.0022
*207-08-9	Benzo(k)fluoranthene	0.38U	0.38	0.0021
218-01-9	Chrysene	**0.0024J**	0.38	0.0014
53-70-3	Dibenz(a,h)anthracene	0.38U	0.38	0.019
206-44-0	Fluoranthene	0.38U	0.38	0.0039
86-73-7	Fluorene	0.38U	0.38	0.0023
193-39-5	Indeno(1,2,3-cd)pyrene	**0.0024J**	0.38	0.0023
91-57-6	2-Methylnaphthalene	**0.38**	0.38	0.00099
91-20-3	Naphthalene	**0.42**	0.38	0.0011
85-01-8	Phenanthrene	0.38U	0.38	0.0039
129-00-0	Pyrene	**0.0032J**	0.38	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*80*	*33-131*
2-Fluorobiphenyl	*82*	*46-122*
o-Terphenyl	*85*	*20-155*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 10**	Sampled:	12/28/11 14:50
Lab Sample ID:	**1112454-07**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	86		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**7.4**	0.093	0.0061	mg/kg dry wt.	1	USEPA-6020A	01/12/12 08:58	DSC	1200040

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 10**	Sampled:	12/28/11 14:50
Lab Sample ID:	**1112454-07**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**86**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 8**	Sampled:	12/28/11 14:45
Lab Sample ID:	**1112454-08**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	85		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.059U	0.059	0.024
106-93-4	1,2-Dibromoethane	0.059U	0.059	0.018
107-06-2	1,2-Dichloroethane	0.059U	0.059	0.028
100-41-4	Ethylbenzene	0.059U	0.059	0.023
108-88-3	Toluene	0.12U	0.12	0.026
95-63-6	1,2,4-Trimethylbenzene	**0.033J**	0.12	0.021
108-67-8	1,3,5-Trimethylbenzene	0.12U	0.12	0.022
1330-20-7	Xylene (Total)	0.18U	0.18	0.068

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*92*	*75-123*
1,2-Dichloroethane-d4	*99*	*83-116*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*100*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 8**	Sampled:	12/28/11 14:45
Lab Sample ID:	**1112454-08**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/06/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	85		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**0.0086J**	0.39	0.0039
208-96-8	Acenaphthylene	**0.011J**	0.39	0.0039
120-12-7	Anthracene	**0.0035J**	0.39	0.0012
56-55-3	Benzo(a)anthracene	**0.014J**	0.39	0.0039
50-32-8	Benzo(a)pyrene	**0.017J**	0.39	0.0039
*205-99-2	Benzo(b)fluoranthene	**0.028J**	0.39	0.0023
191-24-2	Benzo(g,h,i)perylene	**0.027J**	0.39	0.0022
*207-08-9	Benzo(k)fluoranthene	**0.0098J**	0.39	0.0021
218-01-9	Chrysene	**0.016J**	0.39	0.0014
53-70-3	Dibenz(a,h)anthracene	0.39U	0.39	0.020
206-44-0	Fluoranthene	**0.021J**	0.39	0.0039
86-73-7	Fluorene	**0.013J**	0.39	0.0023
193-39-5	Indeno(1,2,3-cd)pyrene	**0.020J**	0.39	0.0023
91-57-6	2-Methylnaphthalene	**0.31J**	0.39	0.0010
91-20-3	Naphthalene	**0.28J**	0.39	0.0011
85-01-8	Phenanthrene	**0.020J**	0.39	0.0039
129-00-0	Pyrene	**0.024J**	0.39	0.0013

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*86*	*33-131*
2-Fluorobiphenyl	*82*	*46-122*
o-Terphenyl	*75*	*20-155*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 8**	Sampled:	12/28/11 14:45
Lab Sample ID:	**1112454-08**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	85		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**13**	0.50	0.033	mg/kg dry wt.	5	USEPA-6020A	01/12/12 09:31	DSC	1200040

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-7 @ 8**	Sampled:	12/28/11 14:45
Lab Sample ID:	**1112454-08**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**85**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 16-21**	Sampled:	12/28/11 11:30
Lab Sample ID:	**1112454-09**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*102*	*85-113*
4-Bromofluorobenzene	*96*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 16-21**	Sampled:	12/28/11 11:30
Lab Sample ID:	**1112454-09**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/03/12 By: ALK
Dilution Factor:	1	Analyzed:	01/07/12 By: DMC
QC Batch:	1114843	Analytical Batch:	2A10021

*Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	**0.035J**	5.8	0.034
208-96-8	Acenaphthylene	5.8U	5.8	0.042
120-12-7	Anthracene	5.8U	5.8	0.044
56-55-3	Benzo(a)anthracene	1.2U	1.2	0.037
50-32-8	Benzo(a)pyrene	1.2U	1.2	0.034
205-99-2	Benzo(b)fluoranthene	1.2U	1.2	0.079
191-24-2	Benzo(g,h,i)perylene	1.2U	1.2	0.32
207-08-9	Benzo(k)fluoranthene	1.2U	1.2	0.046
218-01-9	Chrysene	1.2U	1.2	0.041
53-70-3	Dibenz(a,h)anthracene	2.3U	2.3	0.13
206-44-0	Fluoranthene	1.2U	1.2	0.038
86-73-7	Fluorene	5.8U	5.8	0.051
193-39-5	Indeno(1,2,3-cd)pyrene	2.3U	2.3	0.13
91-57-6	2-Methylnaphthalene	5.8U	5.8	0.042
91-20-3	Naphthalene	**0.047J**	5.8	0.036
85-01-8	Phenanthrene	**0.047J**	2.3	0.040
129-00-0	Pyrene	5.8U	5.8	0.044

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*70*	*31-123*
2-Fluorobiphenyl	*34*	*25-113*
o-Terphenyl	*89*	*42-125*

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-1 @ 16-21**	Sampled:	12/28/11 11:30
Lab Sample ID:	**1112454-09**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20

Dissolved Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	1.0	U	1.0	0.15	ug/L	1	USEPA-6020A	01/12/12 10:59	DSC	1200037

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 17-21**	Sampled:	12/28/11 15:00
Lab Sample ID:	**1112454-10**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*104*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 17-21**	Sampled:	12/28/11 15:00
Lab Sample ID:	**1112454-10**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/03/12 By: ALK
Dilution Factor:	1	Analyzed:	01/07/12 By: DMC
QC Batch:	1114843	Analytical Batch:	2A10021

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	5.0U	5.0	0.029
208-96-8	Acenaphthylene	5.0U	5.0	0.036
120-12-7	Anthracene	5.0U	5.0	0.038
56-55-3	Benzo(a)anthracene	1.0U	1.0	0.032
50-32-8	Benzo(a)pyrene	1.0U	1.0	0.029
205-99-2	Benzo(b)fluoranthene	1.0U	1.0	0.068
191-24-2	Benzo(g,h,i)perylene	1.0U	1.0	0.27
207-08-9	Benzo(k)fluoranthene	1.0U	1.0	0.040
218-01-9	Chrysene	1.0U	1.0	0.036
53-70-3	Dibenz(a,h)anthracene	2.0U	2.0	0.12
206-44-0	Fluoranthene	1.0U	1.0	0.033
86-73-7	Fluorene	**0.062J**	5.0	0.044
193-39-5	Indeno(1,2,3-cd)pyrene	2.0U	2.0	0.11
91-57-6	2-Methylnaphthalene	**0.32J**	5.0	0.036
91-20-3	Naphthalene	**0.12J**	5.0	0.031
85-01-8	Phenanthrene	2.0U	2.0	0.035
129-00-0	Pyrene	5.0U	5.0	0.038

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*66*	*31-123*
2-Fluorobiphenyl	*33*	*25-113*
o-Terphenyl	*83*	*42-125*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-4 @ 17-21**	Sampled:	12/28/11 15:00
Lab Sample ID:	**1112454-10**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20

Dissolved Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	1.0	U	1.0	0.15	ug/L	1	USEPA-6020A	01/12/12 11:12	DSC	1200037

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-8 @ 17.5-21.5**	Sampled:	12/28/11 10:20
Lab Sample ID:	**1112454-11**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
67-64-1	Acetone	20U	20	0.66
107-13-1	Acrylonitrile	2.0U	2.0	0.43
71-43-2	Benzene	1.0U	1.0	0.12
108-86-1	Bromobenzene	1.0U	1.0	0.21
74-97-5	Bromochloromethane	1.0U	1.0	0.16
75-27-4	Bromodichloromethane	1.0U	1.0	0.13
75-25-2	Bromoform	1.0U	1.0	0.10
74-83-9	Bromomethane	5.0U	5.0	0.28
104-51-8	n-Butylbenzene	1.0U	1.0	0.12
135-98-8	sec-Butylbenzene	1.0U	1.0	0.15
98-06-6	tert-Butylbenzene	1.0U	1.0	0.18
75-15-0	Carbon Disulfide	1.0U	1.0	0.19
56-23-5	Carbon Tetrachloride	1.0U	1.0	0.14
108-90-7	Chlorobenzene	1.0U	1.0	0.13
75-00-3	Chloroethane	5.0U	5.0	0.15
67-66-3	Chloroform	1.0U	1.0	0.16
74-87-3	Chloromethane	5.0U	5.0	0.18
96-12-8	1,2-Dibromo-3-chloropropane	5.0U	5.0	0.25
124-48-1	Dibromochloromethane	1.0U	1.0	0.094
106-93-4	1,2-Dibromoethane	1.0U	1.0	0.11
74-95-3	Dibromomethane	1.0U	1.0	0.24
110-57-6	trans-1,4-Dichloro-2-butene	1.0U	1.0	0.28
95-50-1	1,2-Dichlorobenzene	1.0U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	1.0U	1.0	0.11
106-46-7	1,4-Dichlorobenzene	1.0U	1.0	0.16
75-71-8	Dichlorodifluoromethane	5.0U	5.0	0.25
75-34-3	1,1-Dichloroethane	1.0U	1.0	0.19
107-06-2	1,2-Dichloroethane	1.0U	1.0	0.12
75-35-4	1,1-Dichloroethene	1.0U	1.0	0.17
156-59-2	cis-1,2-Dichloroethene	1.0U	1.0	0.17
156-60-5	trans-1,2-Dichloroethene	1.0U	1.0	0.11

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-8 @ 17.5-21.5**	Sampled:	12/28/11 10:20
Lab Sample ID:	**1112454-11**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
78-87-5	1,2-Dichloropropane	1.0U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	1.0U	1.0	0.050
10061-02-6	trans-1,3-Dichloropropene	1.0U	1.0	0.11
100-41-4	Ethylbenzene	1.0U	1.0	0.11
60-29-7	Ethyl Ether	5.0U	5.0	0.21
591-78-6	2-Hexanone	5.0U	5.0	0.24
74-88-4	Iodomethane	1.0U	1.0	0.31
98-82-8	Isopropylbenzene	1.0U	1.0	0.17
99-87-6	4-Isopropyltoluene	5.0U	5.0	0.17
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
75-09-2	Methylene Chloride	5.0U	5.0	0.35
78-93-3	2-Butanone (MEK)	5.0U	5.0	0.28
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0U	5.0	0.23
103-65-1	n-Propylbenzene	1.0U	1.0	0.14
100-42-5	Styrene	1.0U	1.0	0.056
630-20-6	1,1,1,2-Tetrachloroethane	1.0U	1.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	1.0U	1.0	0.12
127-18-4	Tetrachloroethene	1.0U	1.0	0.16
109-99-9	Tetrahydrofuran	5.0U	5.0	0.16
108-88-3	Toluene	1.0U	1.0	0.057
87-61-6	1,2,3-Trichlorobenzene	5.0U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	5.0U	5.0	0.15
71-55-6	1,1,1-Trichloroethane	1.0U	1.0	0.14
79-00-5	1,1,2-Trichloroethane	1.0U	1.0	0.15
79-01-6	Trichloroethene	1.0U	1.0	0.18
75-69-4	Trichlorofluoromethane	1.0U	1.0	0.18
96-18-4	1,2,3-Trichloropropane	1.0U	1.0	0.11
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
75-01-4	Vinyl Chloride	1.0U	1.0	0.24
179601-23-1	Xylene, Meta + Para	2.0U	2.0	0.29

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-8 @ 17.5-21.5**	Sampled:	12/28/11 10:20
Lab Sample ID:	**1112454-11**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL	MDL
95-47-6	Xylene, Ortho	1.0U	1.0	0.10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*102*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**GSB-8 @ 17.5-21.5**	Sampled:	12/28/11 10:20
Lab Sample ID:	**1112454-11**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/03/12 By: ALK
Dilution Factor:	1	Analyzed:	01/07/12 By: DMC
QC Batch:	1114843	Analytical Batch:	2A10021

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	5.0U	5.0	0.029
208-96-8	Acenaphthylene	5.0U	5.0	0.036
120-12-7	Anthracene	5.0U	5.0	0.038
56-55-3	Benzo(a)anthracene	1.0U	1.0	0.032
50-32-8	Benzo(a)pyrene	1.0U	1.0	0.029
205-99-2	Benzo(b)fluoranthene	1.0U	1.0	0.068
191-24-2	Benzo(g,h,i)perylene	1.0U	1.0	0.27
207-08-9	Benzo(k)fluoranthene	1.0U	1.0	0.040
218-01-9	Chrysene	1.0U	1.0	0.036
53-70-3	Dibenz(a,h)anthracene	2.0U	2.0	0.12
206-44-0	Fluoranthene	1.0U	1.0	0.033
86-73-7	Fluorene	5.0U	5.0	0.044
193-39-5	Indeno(1,2,3-cd)pyrene	2.0U	2.0	0.11
91-57-6	2-Methylnaphthalene	5.0U	5.0	0.036
91-20-3	Naphthalene	5.0U	5.0	0.031
85-01-8	Phenanthrene	**0.042J**	2.0	0.035
129-00-0	Pyrene	5.0U	5.0	0.038

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*64*	*31-123*
2-Fluorobiphenyl	*37*	*25-113*
o-Terphenyl	*88*	*42-125*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - Soil**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-12**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/10/12 By: LEW
Dilution Factor:	1	Analyzed:	01/10/12 By: LEW
QC Batch:	1201182	Analytical Batch:	2A12043
Percent Solids:	91		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	0.055U	0.055	0.023
106-93-4	1,2-Dibromoethane	0.055U	0.055	0.017
107-06-2	1,2-Dichloroethane	0.055U	0.055	0.026
100-41-4	Ethylbenzene	0.055U	0.055	0.022
108-88-3	Toluene	0.11U	0.11	0.024
95-63-6	1,2,4-Trimethylbenzene	0.11U	0.11	0.020
108-67-8	1,3,5-Trimethylbenzene	0.11U	0.11	0.020
1330-20-7	Xylene (Total)	0.16U	0.16	0.064

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*75-123*
1,2-Dichloroethane-d4	*102*	*83-116*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - Soil**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-12**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Unit:	mg/kg dry	Prepared:	01/04/12 By: JTS
Dilution Factor:	1	Analyzed:	01/07/12 By: DMC
QC Batch:	1200046	Analytical Batch:	2A10022
Percent Solids:	91		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	0.36U	0.36	0.0036
208-96-8	Acenaphthylene	0.36U	0.36	0.0036
120-12-7	Anthracene	0.36U	0.36	0.0011
56-55-3	Benzo(a)anthracene	0.36U	0.36	0.0036
50-32-8	Benzo(a)pyrene	0.36U	0.36	0.0036
205-99-2	Benzo(b)fluoranthene	0.36U	0.36	0.0021
191-24-2	Benzo(g,h,i)perylene	0.36U	0.36	0.0021
207-08-9	Benzo(k)fluoranthene	0.36U	0.36	0.0019
218-01-9	Chrysene	0.36U	0.36	0.0013
53-70-3	Dibenz(a,h)anthracene	0.36U	0.36	0.018
206-44-0	Fluoranthene	0.36U	0.36	0.0036
86-73-7	Fluorene	0.36U	0.36	0.0022
193-39-5	Indeno(1,2,3-cd)pyrene	0.36U	0.36	0.0021
91-57-6	2-Methylnaphthalene	0.36U	0.36	0.00093
91-20-3	Naphthalene	0.36U	0.36	0.0010
85-01-8	Phenanthrene	0.36U	0.36	0.0036
129-00-0	Pyrene	0.36U	0.36	0.0012

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*81*	*33-131*
2-Fluorobiphenyl	*86*	*46-122*
o-Terphenyl	*92*	*20-155*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - Soil**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-12**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20
Percent Solids:	91		

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
***Lead**	**2.1**	0.10	0.0066	mg/kg dry wt.	1	USEPA-6020A	01/12/12 09:08	DSC	1200040

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - Soil**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-12**	Sampled By:	Erik Peterson
Matrix:	Soil	Received:	12/30/11 13:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	**91**	0.1	0.1	%	1	USEPA-3550B	01/03/12 13:00	CLB	1200011

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - GW**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-13**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - GW**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-13**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/03/12 By: ALK
Dilution Factor:	1	Analyzed:	01/07/12 By: DMC
QC Batch:	1114843	Analytical Batch:	2A10021

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL	MDL
83-32-9	Acenaphthene	5.0U	5.0	0.029
208-96-8	Acenaphthylene	5.0U	5.0	0.036
120-12-7	Anthracene	5.0U	5.0	0.038
56-55-3	Benzo(a)anthracene	1.0U	1.0	0.032
50-32-8	Benzo(a)pyrene	1.0U	1.0	0.029
205-99-2	Benzo(b)fluoranthene	1.0U	1.0	0.068
191-24-2	Benzo(g,h,i)perylene	1.0U	1.0	0.27
207-08-9	Benzo(k)fluoranthene	1.0U	1.0	0.040
218-01-9	Chrysene	1.0U	1.0	0.036
53-70-3	Dibenz(a,h)anthracene	2.0U	2.0	0.12
206-44-0	Fluoranthene	1.0U	1.0	0.033
86-73-7	Fluorene	**0.061J**	5.0	0.044
193-39-5	Indeno(1,2,3-cd)pyrene	2.0U	2.0	0.11
91-57-6	2-Methylnaphthalene	**0.15J**	5.0	0.036
91-20-3	Naphthalene	**0.10J**	5.0	0.031
85-01-8	Phenanthrene	2.0U	2.0	0.035
129-00-0	Pyrene	5.0U	5.0	0.038

Surrogates:	***% Recovery***	***Control Limits***
Nitrobenzene-d5	*45*	*31-123*
2-Fluorobiphenyl	*33*	*25-113*
o-Terphenyl	*81*	*42-125*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Duplicate - GW**	Sampled:	12/28/11 00:00
Lab Sample ID:	**1112454-13**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20

Dissolved Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result		RL	MDL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	1.0	U	1.0	0.15	ug/L	1	USEPA-6020A	01/12/12 11:14	DSC	1200037

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**EB - Soil**	Sampled:	12/28/11 15:30
Lab Sample ID:	**1112454-14**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**EB - GW**	Sampled:	12/28/11 15:45
Lab Sample ID:	**1112454-15**	Sampled By:	Erik Peterson
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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ANALYTICAL REPORT

Client:	**Envirologic Technologies, Inc.**	Work Order:	**1112454**
Project:	VBCBRA/110448	Description:	VB1211, 110448-C
Client Sample ID:	**Trip Blank**	Sampled:	12/30/11 00:00
Lab Sample ID:	**1112454-16**	Sampled By:	TML
Matrix:	Water	Received:	12/30/11 13:20
Unit:	ug/L	Prepared:	01/04/12 By: DLV
Dilution Factor:	1	Analyzed:	01/04/12 By: DLV
QC Batch:	1200064	Analytical Batch:	2A05009

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL	MDL
71-43-2	Benzene	1.0U	1.0	0.12
100-41-4	Ethylbenzene	1.0U	1.0	0.11
1634-04-4	Methyl tert-Butyl Ether	5.0U	5.0	0.13
108-88-3	Toluene	1.0U	1.0	0.057
95-63-6	1,2,4-Trimethylbenzene	1.0U	1.0	0.11
108-67-8	1,3,5-Trimethylbenzene	1.0U	1.0	0.14
1330-20-7	Xylene (Total)	3.0U	3.0	0.39

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*105*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*96*	*82-110*

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL

QC Batch: 1200064 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 01/04/2012 By: DLV

Unit: ug/L Analytical Batch: 2A05009

Acetone			20 U					20	0.66
Acrylonitrile			2.0 U					2.0	0.43
Benzene			1.0 U					1.0	
Benzene			1.0 U					1.0	0.12
Bromobenzene			1.0 U					1.0	0.21
Bromochloromethane			1.0 U					1.0	0.16
Bromodichloromethane			1.0 U					1.0	0.13
Bromoform			1.0 U					1.0	0.10
Bromomethane			5.0 U					5.0	0.28
n-Butylbenzene			1.0 U					1.0	0.12
sec-Butylbenzene			1.0 U					1.0	0.15
tert-Butylbenzene			1.0 U					1.0	0.18
Carbon Disulfide			1.0 U					1.0	0.19
Carbon Tetrachloride			1.0 U					1.0	0.14
Chlorobenzene			1.0 U					1.0	0.13
Chloroethane			5.0 U					5.0	0.15
Chloroform			1.0 U					1.0	0.16
Chloromethane			5.0 U					5.0	0.18
1,2-Dibromo-3-chloropropane			5.0 U					5.0	0.25
Dibromochloromethane			1.0 U					1.0	0.094
1,2-Dibromoethane			1.0 U					1.0	0.11
1,2-Dibromoethane			1.0 U					1.0	
Dibromomethane			1.0 U					1.0	0.24
trans-1,4-Dichloro-2-butene			1.0 U					1.0	0.28
1,2-Dichlorobenzene			1.0 U					1.0	0.15
1,3-Dichlorobenzene			1.0 U					1.0	0.11
1,4-Dichlorobenzene			1.0 U					1.0	0.16
Dichlorodifluoromethane			5.0 U					5.0	0.25
1,1-Dichloroethane			1.0 U					1.0	0.19
1,2-Dichloroethane			1.0 U					1.0	0.12
1,2-Dichloroethane			1.0 U					1.0	
1,1-Dichloroethene			1.0 U					1.0	0.17
cis-1,2-Dichloroethene			1.0 U					1.0	0.17
trans-1,2-Dichloroethene			1.0 U					1.0	0.11
1,2-Dichloropropane			1.0 U					1.0	0.15
cis-1,3-Dichloropropene			1.0 U					1.0	0.050

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Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1200064 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 01/04/2012 By: DLV

Unit: ug/L Analytical Batch: 2A05009

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
trans-1,3-Dichloropropene			1.0 U					1.0	0.11
Ethylbenzene			1.0 U					1.0	
Ethylbenzene			1.0 U					1.0	0.11
Ethyl Ether			5.0 U					5.0	0.21
2-Hexanone			5.0 U					5.0	0.24
Iodomethane			1.0 U					1.0	0.31
Isopropylbenzene			1.0 U					1.0	0.17
4-Isopropyltoluene			5.0 U					5.0	0.17
Methyl tert-Butyl Ether			5.0 U					5.0	0.13
Methylene Chloride			5.0 U					5.0	0.35
2-Butanone (MEK)			5.0 U					5.0	0.28
4-Methyl-2-pentanone (MIBK)			5.0 U					5.0	0.23
n-Propylbenzene			1.0 U					1.0	0.14
Styrene			1.0 U					1.0	0.056
1,1,1,2-Tetrachloroethane			1.0 U					1.0	0.11
1,1,2,2-Tetrachloroethane			1.0 U					1.0	0.12
Tetrachloroethene			1.0 U					1.0	0.16
Tetrahydrofuran			5.0 U					5.0	0.16
Toluene			1.0 U					1.0	
Toluene			1.0 U					1.0	0.057
1,2,3-Trichlorobenzene			5.0 U					5.0	0.14
1,2,4-Trichlorobenzene			5.0 U					5.0	0.15
1,1,1-Trichloroethane			1.0 U					1.0	0.14
1,1,2-Trichloroethane			1.0 U					1.0	0.15
Trichloroethene			1.0 U					1.0	0.18
Trichlorofluoromethane			1.0 U					1.0	0.18
1,2,3-Trichloropropane			1.0 U					1.0	0.11
1,2,4-Trimethylbenzene			1.0 U					1.0	0.11
1,2,4-Trimethylbenzene			1.0 U					1.0	
1,3,5-Trimethylbenzene			1.0 U					1.0	0.14
1,3,5-Trimethylbenzene			1.0 U					1.0	
Vinyl Chloride			1.0 U					1.0	0.24
Xylene, Meta + Para			2.0 U					2.0	0.29
Xylene, Ortho			1.0 U					1.0	0.10
Xylene (Total)			3.0 U					3.0	
Surrogates:									
Dibromofluoromethane				*104*	*85-118*				

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1200064 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B									
Method Blank (Continued)					Analyzed:		01/04/2012	By: DLV	
Unit: ug/L					Analytical Batch:		2A05009		
Surrogates (Continued):									
Dibromofluoromethane				*104*	*85-118*				
1,2-Dichloroethane-d4				*103*	*87-122*				
1,2-Dichloroethane-d4				*103*	*87-122*				
Toluene-d8				*101*	*85-113*				
Toluene-d8				*101*	*85-113*				
4-Bromofluorobenzene				*95*	*82-110*				
4-Bromofluorobenzene				*95*	*82-110*				
Laboratory Control Sample					Analyzed:		01/04/2012	By: DLV	
Unit: ug/L					Analytical Batch:		2A05009		
Benzene		40.0	**41.5**	104	84-119	--	20	1.0	
Benzene		40.0	**41.5**	104	84-119	--	20	1.0	0.12
Chlorobenzene		40.0	**38.7**	97	84-118	--	20	1.0	0.13
1,2-Dibromoethane		40.0	**39.5**	99	84-125	--	20	1.0	
1,2-Dichloroethane		40.0	**40.7**	102	81-122	--	20	1.0	
1,1-Dichloroethene		40.0	**35.2**	88	77-123	--	20	1.0	0.17
Ethylbenzene		40.0	**39.3**	98	87-119	--	20	1.0	
Toluene		40.0	**41.9**	105	85-118	--	20	1.0	
Toluene		40.0	**41.9**	105	85-118	--	20	1.0	0.057
Trichloroethene		40.0	**41.2**	103	82-119	--	20	1.0	0.18
1,2,4-Trimethylbenzene		40.0	**39.9**	100	83-124	--	20	1.0	
1,3,5-Trimethylbenzene		40.0	**39.3**	98	82-125	--	20	1.0	
Xylene (Total)		120	**119**	100	86-119	--	20	3.0	
Surrogates:									
Dibromofluoromethane				*103*	*85-118*				
Dibromofluoromethane				*103*	*85-118*				
1,2-Dichloroethane-d4				*100*	*87-122*				
1,2-Dichloroethane-d4				*100*	*87-122*				
Toluene-d8				*104*	*85-113*				
Toluene-d8				*104*	*85-113*				
4-Bromofluorobenzene				*102*	*82-110*				
4-Bromofluorobenzene				*102*	*82-110*				
Matrix Spike 1112454-09 GSB-1 @ 16-21					Analyzed:		01/04/2012	By: DLV	
Unit: ug/L					Analytical Batch:		2A05009		
Benzene	1.0 U	40.0	**45.6**	114	80-129	--	9	1.0	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1200064 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B									
Matrix Spike (Continued) 1112454-09 GSB-1 @ 16-21					Analyzed:		01/04/2012	By: DLV	
Unit: ug/L					Analytical Batch:		2A05009		
1,2-Dibromoethane	1.0 U	40.0	**42.2**	105	78-125	--	9	1.0	
1,2-Dichloroethane	1.0 U	40.0	**43.5**	109	74-131	--	9	1.0	
Ethylbenzene	1.0 U	40.0	**42.6**	106	82-127	--	10	1.0	
Toluene	1.0 U	40.0	**45.9**	115	79-129	--	9	1.0	
1,2,4-Trimethylbenzene	1.0 U	40.0	**43.4**	108	75-129	--	12	1.0	
1,3,5-Trimethylbenzene	1.0 U	40.0	**42.3**	106	75-128	--	10	1.0	
Xylene (Total)	3.0 U	120	**129**	108	78-130	--	9	3.0	
Surrogates:									
Dibromofluoromethane				*101*	*85-118*				
1,2-Dichloroethane-d4				*99*	*87-122*				
Toluene-d8				*104*	*85-113*				
4-Bromofluorobenzene				*100*	*82-110*				
Matrix Spike Duplicate 1112454-09 GSB-1 @ 16-21					Analyzed:		01/04/2012	By: DLV	
Unit: ug/L					Analytical Batch:		2A05009		
Benzene	1.0 U	40.0	**43.8**	109	80-129	4	9	1.0	
1,2-Dibromoethane	1.0 U	40.0	**40.1**	100	78-125	5	9	1.0	
1,2-Dichloroethane	1.0 U	40.0	**41.4**	104	74-131	5	9	1.0	
Ethylbenzene	1.0 U	40.0	**40.0**	100	82-127	6	10	1.0	
Toluene	1.0 U	40.0	**43.9**	110	79-129	5	9	1.0	
1,2,4-Trimethylbenzene	1.0 U	40.0	**40.3**	101	75-129	7	12	1.0	
1,3,5-Trimethylbenzene	1.0 U	40.0	**40.2**	101	75-128	5	10	1.0	
Xylene (Total)	3.0 U	120	**123**	102	78-130	5	9	3.0	
Surrogates:									
Dibromofluoromethane				*101*	*85-118*				
1,2-Dichloroethane-d4				*97*	*87-122*				
Toluene-d8				*105*	*85-113*				
4-Bromofluorobenzene				*100*	*82-110*				
QC Batch: 1201182 5035A High Concentration (MeOH) - MS/USEPA-8260B									
Method Blank					Analyzed:		01/10/2012	By: LEW	
Unit: mg/kg wet					Analytical Batch:		2A12043		
Benzene			0.050 U				0.050	0.021	
1,2-Dibromoethane			**0.018 J**			--	0.050	0.015	
1,2-Dichloroethane			0.050 U			--	0.050	0.024	
Ethylbenzene			0.050 U			--	0.050	0.020	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1201182 (Continued) 5035A High Concentration (MeOH) - MS/USEPA-8260B

Method Blank (Continued) Analyzed: 01/10/2012 By: LEW
Unit: mg/kg wet Analytical Batch: 2A12043

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Toluene			0.10 U					0.10	0.022
1,2,4-Trimethylbenzene			0.10 U					0.10	0.018
1,3,5-Trimethylbenzene			0.10 U					0.10	0.018
Xylene (Total)			0.15 U					0.15	0.058

Method Blank Analyzed: 01/10/2012 By: LEW
Unit: ug/L Analytical Batch: 2A12043

Surrogates:									
Dibromofluoromethane				*104*	*75-123*				
1,2-Dichloroethane-d4				*102*	*83-116*				
Toluene-d8				*99*	*85-113*				
4-Bromofluorobenzene				*99*	*81-117*				

Laboratory Control Sample Analyzed: 01/10/2012 By: LEW
Unit: mg/kg wet Analytical Batch: 2A12043

Benzene		2.00	**2.07**	103	82-122	--	20	0.050	0.021
1,2-Dibromoethane		2.00	**1.98**	99	80-119	--	20	0.050	0.015
1,2-Dichloroethane		2.00	**2.06**	103	80-126	--	20	0.050	0.024
Ethylbenzene		2.00	**2.12**	106	81-118	--	20	0.050	0.020
Toluene		2.00	**2.06**	103	82-125	--	20	0.10	0.022
1,2,4-Trimethylbenzene		2.00	**2.10**	105	83-121	--	20	0.10	0.018
1,3,5-Trimethylbenzene		2.00	**2.12**	106	83-122	--	20	0.10	0.018
Xylene (Total)		6.00	**6.30**	105	81-119	--	20	0.15	0.058

Laboratory Control Sample Analyzed: 01/10/2012 By: LEW
Unit: ug/L Analytical Batch: 2A12043

Surrogates:									
Dibromofluoromethane				*104*	*75-123*				
1,2-Dichloroethane-d4				*101*	*83-116*				
Toluene-d8				*99*	*85-113*				
4-Bromofluorobenzene				*100*	*81-117*				

Matrix Spike 1112454-01 GSB-1 @ 4 Analyzed: 01/10/2012 By: LEW
Unit: mg/kg dry Analytical Batch: 2A12043

Benzene	0.054 U	2.25	**2.15**	96	69-137	--	11	0.054	0.023
1,2-Dibromoethane	0.054 U	2.25	**2.15**	96	63-130	--	16	0.054	0.016
1,2-Dichloroethane	0.054 U	2.25	**2.24**	100	78-128	--	13	0.054	0.026

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1201182 (Continued) 5035A High Concentration (MeOH) - MS/USEPA-8260B

Matrix Spike (Continued) 1112454-01 GSB-1 @ 4 — Analyzed: 01/10/2012 By: LEW
Unit: mg/kg dry — Analytical Batch: 2A12043

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Ethylbenzene	0.054 U	2.25	**2.17**	97	65-129	--	16	0.054	0.021
Toluene	0.11 U	2.25	**2.14**	95	68-136	--	11	0.11	0.024
1,2,4-Trimethylbenzene	0.11 U	2.25	**2.10**	94	79-124	--	19	0.11	0.020
1,3,5-Trimethylbenzene	0.11 U	2.25	**2.08**	93	65-132	--	14	0.11	0.020
Xylene (Total)	0.16 U	6.74	**6.59**	98	63-132	--	16	0.16	0.063

Matrix Spike 1112454-01 GSB-1 @ 4 — Analyzed: 01/10/2012 By: LEW
Unit: ug/L — Analytical Batch: 2A12043

Surrogates:		
Dibromofluoromethane	*97*	*75-123*
1,2-Dichloroethane-d4	*97*	*83-116*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*101*	*81-117*

Matrix Spike Duplicate 1112454-01 GSB-1 @ 4 — Analyzed: 01/10/2012 By: LEW
Unit: mg/kg dry — Analytical Batch: 2A12043

Benzene	0.054 U	2.25	**2.24**	100	69-137	4	11	0.054	0.023
1,2-Dibromoethane	0.054 U	2.25	**2.23**	99	63-130	4	16	0.054	0.016
1,2-Dichloroethane	0.054 U	2.25	**2.34**	104	78-128	4	13	0.054	0.026
Ethylbenzene	0.054 U	2.25	**2.26**	101	65-129	4	16	0.054	0.021
Toluene	0.11 U	2.25	**2.24**	100	68-136	5	11	0.11	0.024
1,2,4-Trimethylbenzene	0.11 U	2.25	**2.21**	99	79-124	5	19	0.11	0.020
1,3,5-Trimethylbenzene	0.11 U	2.25	**2.20**	98	65-132	6	14	0.11	0.020
Xylene (Total)	0.16 U	6.74	**6.84**	102	63-132	4	16	0.16	0.063

Matrix Spike Duplicate 1112454-01 GSB-1 @ 4 — Analyzed: 01/10/2012 By: LEW
Unit: ug/L — Analytical Batch: 2A12043

Surrogates:		
Dibromofluoromethane	*97*	*75-123*
1,2-Dichloroethane-d4	*99*	*83-116*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*99*	*81-117*

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1114843 3510C Liquid-Liquid Extraction/USEPA-8270C									
Method Blank					Analyzed:	01/06/2012	By: DMC		
Unit: ug/L					Analytical Batch:	2A10021			
Acenaphthene			5.0 U			--		5.0	0.029
Acenaphthylene			5.0 U					5.0	0.036
Anthracene			5.0 U			--		5.0	0.038
Benzo(a)anthracene			**0.040 J**			--		1.0	0.032
Benzo(a)pyrene			1.0 U			--		1.0	0.029
Benzo(b)fluoranthene			1.0 U			--		1.0	0.068
Benzo(g,h,i)perylene			1.0 U			--		1.0	0.27
Benzo(k)fluoranthene			1.0 U			--		1.0	0.040
Chrysene			1.0 U			--		1.0	0.036
Dibenz(a,h)anthracene			2.0 U					2.0	0.12
Fluoranthene			1.0 U			--		1.0	0.033
Fluorene			5.0 U					5.0	0.044
Indeno(1,2,3-cd)pyrene			2.0 U					2.0	0.11
2-Methylnaphthalene			5.0 U					5.0	0.036
Naphthalene			5.0 U					5.0	0.031
Phenanthrene			2.0 U			--		2.0	0.035
Pyrene			5.0 U			--		5.0	0.038
Surrogates:									
Nitrobenzene-d5				*80*	*31-123*				
2-Fluorobiphenyl				*44*	*25-113*				
o-Terphenyl				*94*	*42-125*				
Laboratory Control Sample					Analyzed:	01/06/2012	By: DMC		
Unit: ug/L					Analytical Batch:	2A10021			
Acenaphthene		10.0	**8.03**	80	53-126	--	20	5.0	0.029
Naphthalene		10.1	**8.01**	79	50-127	--	20	5.0	0.031
Pyrene		10.0	**9.30**	93	60-134	--	20	5.0	0.038
Surrogates:									
Nitrobenzene-d5				*77*	*31-123*				
2-Fluorobiphenyl				*43*	*25-113*				
o-Terphenyl				*97*	*42-125*				
Matrix Spike 1112454-09 GSB-1 @ 16-21					Analyzed:	01/06/2012	By: DMC		
Unit: ug/L					Analytical Batch:	2A10021			
Acenaphthene	0.0349 J	10.6	**7.68**	72	46-120	--	12	5.3	0.031
Naphthalene	0.0465 J	10.7	**7.16**	66	39-124	--	15	5.3	0.033

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Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1114843 (Continued) 3510C Liquid-Liquid Extraction/USEPA-8270C									
Matrix Spike (Continued) 1112454-09 GSB-1 @ 16-21					Analyzed:	01/06/2012	By: DMC		
Unit: ug/L					Analytical Batch:	2A10021			
Pyrene	5.3 U	10.6	**9.77**	92	55-134	--	16	5.3	0.040
Surrogates:									
Nitrobenzene-d5				*79*	*31-123*				
2-Fluorobiphenyl				*37*	*25-113*				
o-Terphenyl				*92*	*42-125*				
Matrix Spike Duplicate 1112454-09 GSB-1 @ 16-21					Analyzed:	01/06/2012	By: DMC		
Unit: ug/L					Analytical Batch:	2A10021			
Acenaphthene	0.0349 J	10.4	**7.61**	73	46-120	0.9	12	5.0	0.029
Naphthalene	0.0465 J	10.5	**7.16**	68	39-124	0.05	15	5.0	0.031
Pyrene	5.0 U	10.4	**9.50**	91	55-134	3	16	5.0	0.038
Surrogates:									
Nitrobenzene-d5				*79*	*31-123*				
2-Fluorobiphenyl				*37*	*25-113*				
o-Terphenyl				*91*	*42-125*				
QC Batch: 1200046 3550C Sonication Extraction/USEPA-8270C									
Method Blank					Analyzed:	01/06/2012	By: DMC		
Unit: mg/kg wet					Analytical Batch:	2A10022			
Acenaphthene			0.33 U			--		0.33	0.0033
Acenaphthylene			0.33 U					0.33	0.0033
Anthracene			0.33 U					0.33	0.0010
Benzo(a)anthracene			0.33 U			--		0.33	0.0033
Benzo(a)pyrene			0.33 U			--		0.33	0.0033
Benzo(b)fluoranthene			0.33 U			--		0.33	0.0020
Benzo(g,h,i)perylene			0.33 U			--		0.33	0.0019
Benzo(k)fluoranthene			0.33 U			--		0.33	0.0018
Chrysene			0.33 U			--		0.33	0.0012
Dibenz(a,h)anthracene			0.33 U			--		0.33	0.017
Fluoranthene			0.33 U					0.33	0.0033
Fluorene			0.33 U					0.33	0.0020
Indeno(1,2,3-cd)pyrene			0.33 U					0.33	0.0020
2-Methylnaphthalene			0.33 U					0.33	0.00085
Naphthalene			0.33 U					0.33	0.00091
Phenanthrene			0.33 U					0.33	0.0033
Pyrene			0.33 U					0.33	0.0011

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

QC Batch: 1200046 (Continued) 3550C Sonication Extraction/USEPA-8270C

Method Blank (Continued) Analyzed: 01/06/2012 By: DMC
Unit: mg/kg wet Analytical Batch: 2A10022

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Surrogates:									
**Nitrobenzene-d5*				*81*	*33-131*				
2-Fluorobiphenyl				*86*	*46-122*				
o-Terphenyl				*84*	*20-155*				

Laboratory Control Sample Analyzed: 01/06/2012 By: DMC
Unit: mg/kg wet Analytical Batch: 2A10022

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene		0.333	**0.266 J**	80	60-120	--	20	0.33	0.0033
Naphthalene		0.337	**0.260 J**	77	52-128	--	20	0.33	0.00091
Pyrene		0.333	**0.275 J**	82	60-132	--	20	0.33	0.0011
Surrogates:									
**Nitrobenzene-d5*				*81*	*33-131*				
2-Fluorobiphenyl				*84*	*46-122*				
o-Terphenyl				*83*	*20-155*				

Matrix Spike 1112454-01 GSB-1 @ 4 Analyzed: 01/06/2012 By: DMC
Unit: mg/kg dry Analytical Batch: 2A10022

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	0.36 U	0.358	**0.280 J**	78	23-140	--	19	0.36	0.0036
Naphthalene	0.36 U	0.362	**0.281 J**	78	32-138	--	18	0.36	0.00098
Pyrene	0.36 U	0.358	**0.291 J**	81	39-145	--	24	0.36	0.0012
Surrogates:									
Nitrobenzene-d5				*80*	*33-131*				
2-Fluorobiphenyl				*81*	*46-122*				
o-Terphenyl				*82*	*20-155*				

Matrix Spike Duplicate 1112454-01 GSB-1 @ 4 Analyzed: 01/06/2012 By: DMC
Unit: mg/kg dry Analytical Batch: 2A10022

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Acenaphthene	0.36 U	0.368	**0.290 J**	79	23-140	4	19	0.36	0.0036
Naphthalene	0.36 U	0.372	**0.298 J**	80	32-138	6	18	0.36	0.00098
Pyrene	0.36 U	0.368	**0.305 J**	83	39-145	5	24	0.36	0.0012
Surrogates:									
Nitrobenzene-d5				*81*	*33-131*				
2-Fluorobiphenyl				*84*	*46-122*				
o-Terphenyl				*82*	*20-155*				

*See Statement of Data Qualifications

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QUALITY CONTROL REPORT

Dissolved Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Lead/USEPA-6020A										
QC Batch: 1200037 (3020A Digestion)								Analyzed: 01/12/2012	By: DSC	
Method Blank			1.0 U	ug/L					1.0	0.15
Laboratory Control Sample		50.0	**48.0**	ug/L	96	80-120		20	1.0	0.15
1112454-09 [GSB-1 @ 16-21]										
Matrix Spike	<RL	50.0	**48.3**	ug/L	97	75-125		20	1.0	0.15
Matrix Spike Duplicate	<RL	50.0	**48.1**	ug/L	96	75-125	0.4	20	1.0	0.15

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Lead/USEPA-6020A										
QC Batch: 1200040 (3050B Digestion)							Analyzed: 01/12/2012		By: DSC	
Method Blank			**0.042 J**	mg/kg dry wt.					0.10	0.0066
Laboratory Control Sample		4.00	**4.53**	mg/kg dry wt.	113	80-120		20	0.10	0.0066
1112454-01 [GSB-1 @ 4]										
Matrix Spike	9.82	3.90	**12.9**	mg/kg dry wt.	80	75-125		20	0.50	0.033
Matrix Spike Duplicate	9.82	4.00	**14.1**	mg/kg dry wt.	108	75-125	9	20	0.50	0.033

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QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
Analyte: Percent Solids/USEPA-3550B										
QC Batch: 1200011 (Method-Specific Preparation)							Analyzed: 01/03/2012		By: CLB	
Method Blank			0.1 U	%					0.1	
1112454-01 [GSB-1 @ 4]										
Duplicate	93		**93**	%			0.06	5	0.1	

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C

Qualification: Manual integration was performed on this sample for the analyte(s) listed below in accordance with the TriMatrix Manual Integration SOP. All necessary documentation, including the signed review, is included in the raw data section of the data package.

Analysis: USEPA-8270C

Sample/Analyte:		
1112454-03	GSB-3 @ 5	2-Fluorobiphenyl
1112454-03	GSB-3 @ 5	Benzo(b)fluoranthene
1112454-03	GSB-3 @ 5	Benzo(k)fluoranthene
1112454-04	GSB-4 @ 10	Benzo(a)anthracene
1112454-04	GSB-4 @ 10	Chrysene
1112454-05	GSB-5 @ 10	Chrysene
1112454-07	GSB-7 @ 10	Benzo(b)fluoranthene
1112454-07	GSB-7 @ 10	Benzo(k)fluoranthene
1112454-08	GSB-7 @ 8	Benzo(b)fluoranthene
1112454-08	GSB-7 @ 8	Benzo(k)fluoranthene
1112454-08	GSB-7 @ 8	Phenanthrene-d10
1114843-BLK1		Naphthalene-d8
1200046-BLK1		Nitrobenzene-d5
1200046-BS1		Nitrobenzene-d5
1200046-MSD1		Phenanthrene-d10

Qualification: The RL for this analysis was elevated due to insufficient sample volume or weight received.

Analysis: USEPA-8270C

Sample: 1112454-09 GSB-1 @ 16-21

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STATEMENT OF DATA QUALIFICATIONS

Total Metals by EPA 6000/7000 Series Methods

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-6020A

Sample/Analyte:			
	1112454-01	GSB-1 @ 4	Lead
	1112454-02	GSB-2 @ 4	Lead
	1112454-03	GSB-3 @ 5	Lead
	1112454-04	GSB-4 @ 10	Lead
	1112454-05	GSB-5 @ 10	Lead
	1112454-06	GSB-6 @ 10	Lead
	1112454-07	GSB-7 @ 10	Lead
	1112454-08	GSB-7 @ 8	Lead
	1112454-12	Duplicate - Soil	Lead

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Chain of Custody Record

COC No. 091680

Pg. 1 of 2

For Lab Use Only

Cart: 6, 336R soils

VOA Rack/Tray: 335R & 628R

Receipt Log No.: 31.6

Project Chemist: Lisa Harvey

Work Order No.: 1112454

Client Name: Envirologic Technologies

Address: 2960 Interstate Parkway

City, State Zip: Kalamazoo, MI 49048

Phone/Fax : 269-342-1100

Email: epeterson@envirologic.com

Project Name: VBCBRA / 110448

Client Project No. / P.O. No.: 10448-C

Invoice To: (●) Client ( ) Other (comments)

Contact/Report To: Erik Peterson

Analyses Requested

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	D VOC (water) BTEX TMBS	A PNA (water)	B lead (water)	EDB, DCA	G VOC (soil) BTEX TMBS	A PNAs (soil)	A Lead (soil)	A %Solids (soil)	Total	Sample Comments
				Container Type (corresponds to Container Packing List)							1	2	6		22	17	17	17		
				Number of Containers Submitted																
DD		01	1	GSB-1 @ 4' + MS/MSD		12/20/11	11:05am			S	1			x	1	1	1			
D		02	2	GSB-2 @ 4'			10:45am			S				x	1	x	1			
D		03	3	GSB-3 @ 5'			1:25pm			S				x	1	x	1			
D		04	4	GSB-4 @ 10'			1:50pm			S				x	1	x	1			
D		05	5	GSB-5 @ 10'			2:10pm			S				x	1	x	1			
D		06	6	GSB-6 @ 10'			2:30pm			S				x	1	x	1			
D		07	7	GSB-7 @ 10'			2:50pm			S				x	1	x	1			
D		08	8	GSB-7 @ 8'			2:45pm			S				x	1	x	1			
HH		09	9	GSB-1 @ 16-21' + MS/MSD			11:30am			W	5	4	1							Metals Field Filtered
H		10	10	GSB-4 @ 17-21'			3:00pm			W	3	2	1							Metals Field Filtered

Sampled By (print): Erik Peterson

Sampler's Signature: Erik Peterson

Company:

How Shipped? Hand ____ Carrier ____

Tracking No.

Comments: 4MD. Brownfield. 14-std summary/28-DVP.

	Date	Time
1. Relinquished By	12/20/11	12:10p
1. Received By	12-30-11	12:10
2. Relinquished By		
2. Received By		
3. Relinquished By	12-30-11	1320
3. Received For Lab By	12-30-11	1320

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

ORIGINAL - LABORATORY

COPY - FIELD/SAMPLER

Envirologic VBCBRA CR0711 COC.xls

7/12/2011

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Chain of Custody Record

COC No. 09681

Pg. 2 of 2

For Lab Use Only
Cart
VOA Rack/Tray
Receipt Log No. 31.6
Project Chemist: Lisa Harvey
Work Order No. 1112454

Client Name: Envirologic Technologies
Address: 2960 Interstate Parkway
City, State Zip: Kalamazoo, MI 49048
Phone/Fax : 269-342-1100
Email: epeterson@envirologic.com

Project Name: VBCBRA 110448
Client Project No. / P.O. No.: 110448-C
Invoice To: (●) Client ( ) Other (comments)
Contact/Report To: Erik Peterson

Analyses Requested

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	D VOC (water) 8260	A PNA (water)	B lead (water)	VOCs 8260	G VOC (soil)	A PNAs (soil)	A Lead (soil)	A %Solids (soil)	Total	Sample Comments
				Container Type (corresponds to Container Packing List)																
				Number of Containers Submitted							1	2	6	5	22	17	17	17		
H3		11	1	GSB-8 @ 17.5-21.5'		12/30/11	10:20am			W		2	1	3						rcvd metals ☆
D		12	2	Duplicate- Soil			—			S	1				1	1	X			
H		13	3	Duplicate- GW			—			W	3	2	1							Metals Field Filtered
K		14	4	EB- Soil			3:30pm			W	3									
K		15	5	EB- GW			3:45pm			W	3									
T		16	6	Trip Blank #1		12-30-11	—			W	1									
~~T~~		~~17~~	~~7~~	~~Trip Blank #2~~ NOT RCVD		~~12-30-11~~	~~—~~			~~W~~	~~1~~									
			8																	
			9																	
			10																	

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Erik Peterson
Sampler's Signature: Erik Peterson
Company:
How Shipped? Hand ___ Carrier ___
Tracking No.

Comments: 4MD. Brownfield. 14-std summary/28-DVP.
☆ Do not analyze metals for sample GSB-8

	Date	Time
1. Relinquished By	12/30/11	12:10
1. Received By	12-30-11	12:10
2. Relinquished By		
2. Received By		
3. Relinquished By	12-30-11	1320
3. Received For Lab By	12-30-11	1320

ORIGINAL - LABORATORY COPY - FIELD/SAMPLER

Envirologic VBCBRA CR0711 COC.xls 7/12/2011

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SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Enviologic
Receipt Record Page/Line #:
Work Order #: 1112454
New / Add To
Project Chemist: MH
Sample #s: 01 - 17

Recorded by (initials/date): WC 12-30-11

☑ Cooler ☐ Box ☐ Other
Qty Received: 2

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)
☐ See Additional Cooler Information Form

Cooler #	Cooler #	Cooler #	Cooler #
Client	Client		
Time: 1330	Time: 1335	Time:	Time:
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☑ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank: – 4.9	Temp Blank:	Temp Blank:	Temp Blank:
TB location: (Representative) / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 5.8 – 5.8	1 4.1 – 4.1	1	1
2 6.4 – 6.4	2 4.5 – 4.5	2	2
3 6.6 – 6.6	3 4.3 – 4.3	3	3
Average °C: 6.3	Average °C: 4.3	Average °C	Average °C
☐ Cooler ID on COC? ☑ VOC Trip Blank received?	☐ Cooler ID on COC? ☑ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☐		☐	Shipping document?
☐		☐	Other _____

COC ID #s

☑ TriMatrix

☐ Other (Name or ID#) _____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☑	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	☐	Samples preserved correctly?
☐	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
12-30-11 1320	12-30-11 1345	(Yes) / No

Log In Forms - Receiving.Log-In_Checklist

revision: 3.0

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SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client: Enviologic	Work Order #: 1112454
Receipt Log #:	Completed By (initials/date):
	Project Chemist: MH

COC ID # 096080 — Adjusted by: ____ Date: ____

Container Type	5	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								✓
COC Line #9								✓
COC Line #10								✓

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Comments

Ph Strip Lot # HC111148

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

COC ID # 096081 — Adjusted by: ____ Date: ____

Container Type	5	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		~7	<2	<2	
COC Line #1								✓
COC Line #2								
COC Line #3								✓
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Log In Forms -- Sample_Preservation_Checklist

version: 2.0

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TRIMATRIX LABORATORIES

SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client: Envirologic

Receipt Log #: 31.6

Completed By (initials/date): WC 12-30-11

Work Order #: 1112454

Project Chemist: MH

List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

COC ID #	Line #	Type of Problem: Discrepancy	Missing Container	Broken Container	Label Missing / Incomplete	Label Illegible	Low Volume	Inappropriate Container	Headspace	Not Listed on COC	Preservation	COC: Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	Sample Tag: Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	Line Item Comments
091681	1									X		GSB-8 17.5-21.5			15	1						DO NOT ANALYZE Pb FOR GSB 8 —MH
* ↓	1	X																				

General Comments: * GSB-8 17.5-21.5 has a total of six vials.
Emailed Eric to let him know

Project Chemist (initials/date): MH 12-30-11

Log In Forms – Sample_Receipt_Non-Conformance

page _____ of _____

revision: 2.0

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TRIMATRIX LABORATORIES

DATA VALIDATION REPORT
(QUALITY ASSURANCE ASSESSMENT)

COMMERCIAL PROPERTY
720 W. MONROE ST.
BANGOR, MICHIGAN

Envirologic Technologies, Inc. (Envirologic) completed a Phase II Environmental Site Assessment of the commercial property, 720 W. Monroe St., Bangor, Michigan (subject property) at the request of the Van Buren County Brownfield Redevelopment Authority (VBCBRA) utilizing U.S. EPA Petroleum Assessment grant funds. The purpose of this Data Validation Report is to validate and verify the analytical data, and draw conclusions on the data in relation to the Data Quality Objectives (DQOs).

DQOS AND SAMPLE DESIGN REVIEW

The subject property is a rectangular-shaped parcel occupying 0.3 acres of land. The subject property is developed with a 1,170-square-foot retail building and a 2,560-square-foot pole barn. The subject property was first developed for commercial purposes in approximately 1950 and has been used for multiple retail/commercial operations since that time, including: convenience/ grocery store, fuel retail, used clothing retail, and HVAC service. Two gasoline underground storage tanks (USTs) and one kerosene UST historically present on site have been removed from the subject property.

A Phase I ESA of the subject property was completed by Envirologic in January 2012. The fact that the subject property met the definition of a “facility” as defined by Part 201 of NREPA was identified as a Recognized Environmental Condition. Petroleum impact to soil has been identified in association with a former UST system that has been removed from the subject property.

The purpose of the Phase II ESA was to characterize current site conditions within areas of identified impact and also to characterize subsurface conditions on portions of the property not previously assessed.

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DATA QUALITY OBJECTIVES

The Phase II ESA is designed to determine the following:

- Has the former presence of UST systems resulted in impact to the subject property? Is the site a "facility" as defined by Michigan's Part 201 of NREPA? If contaminants exist, do they represent an unacceptable exposure to the intended future use of the site?
- Has the subject property been impacted by the presence of a steel plate representing a potential UST or subsurface feature? Is the site a "facility" as defined by Michigan's Part 201 of NREPA? If contaminants exist, do they represent an unacceptable exposure to the intended future use of the site?
- Has the subject property been impacted by offsite properties of concern located proximal to the site? Is the site a "facility" as defined by Michigan's Part 201 of NREPA? If contaminants exist, do they represent an unacceptable exposure to the intended future use of the site?

The DQOs are evaluated below with respect to the environmental concerns and the actual data collected.

DATA REVIEW (DATA VERIFICATION AND VALIDATION)

The data collected in the investigation was reviewed by the Data Manager and Project Manager, Erik Peterson. The purpose of the review was to confirm (verify) that the data was collected in accordance with the Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). The quality of the data was simultaneously assessed to determine that it was scientifically valid. The purpose of the data verification and validation was to determine the usefulness of the data in making decisions posed by the DQOs and for making decisions on future property use with respect to environmental concerns. All of the collected data was determined to be verified and valid using the PARCC criteria (precision, accuracy, representativeness, completeness and comparability) as explained in the following table:

Criteria	Field Data	Laboratory Data
Precision	Field methods and equipment calibration SOPs were followed in order to provide data within the precision limits of the field equipment.	The % recovery for MS/MSD samples were within control limits.
Accuracy	No VOCs were detected in the Trip Blanks.	The Reporting Limit (RL) for select PNAs from samples GSB-3, GSB-4, GSB-5, and GSB-7 were elevated due to insufficient sample volume or weight received.
Representativeness	The laboratory results were representative of field	The samples for analysis were extracted

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	observations; that is, apparent petroleum odor was observed during soil sample collection and petroleum VOCs were detected in soil samples.	from the original samples following standard methods, and thus are representative.
Completeness	All proposed boring installation was completed.	All of the analyses provided by the laboratory were determined to be complete.
Comparability	Mask Duplicate soil & groundwater samples were collected. The mask duplicate results were comparable to the sample results.	The samples were analyzed following standard methods and thus are comparable to cleanup criteria and other samples from the project site.

Field Procedures

The Sampling Plan, SOP and QAPP were prepared and reviewed by Mr. Erik Peterson – Project Manager with Envirologic. Field notes and chain of custody procedures (including hold times) and instrument calibration were reviewed for this data assessment.

Quality Assurance/Quality Control Samples

The QA/QC samples collected for this project are presented in following table:

Sample ID	Matrix	Type
Trip Blank	Water	Trip blank prepared by TriMatrix for sample cooler.
EB-Soil	Water	Equipment blank from macro-core sampler
EB-GW	Water	Equipment blank from peristaltic pump
Duplicate-Soil	Soil	Mask Duplicate for GSB-2 @ 4 ft.
Duplicate-Groundwater	Soil	Mask Duplicate for GP-10 @ 2.5 ft.
MS/MSD Soil	Soil	Matrix Spike & Matrix Spike Duplicate for GSB-1 @ 4 ft.
MS/MSD GW	Water	Matrix Spike & Matrix Spike Duplicate for GSB-1 @ 16-21 ft.

Trip Blank

The purpose of the trip blank was to verify that no cross-contamination had occurred during sample handling and shipment. The trip blank was prepared by TriMatrix and maintained throughout the sampling events with the sampling cooler. No contaminants of concern were identified above method detection limits in the Trip Blank. The lack of detection of VOCs in the Trip Blank indicates that the sample handling procedures did not represent a potential for cross-contamination.

Equipment Blanks

The purpose of the Equipment Blanks was to evaluate the potential for the introduction of cross-contamination from one sample to another as a result of decontamination procedures. One

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equipment blank for groundwater sampling was collected using the peristaltic pump from deionized water utilized for decontamination procedures. No contaminants of concern were identified above Method Detection Limits in the EB-GW sample.

One equipment blank for soil sampling was collected from the rinsate water after decontaminating the GeoProbe™ macro-core sampler. No contaminants of concern were identified above Method Detection Limits in the EB-Soil sample.

The lack of detection of VOCs in the equipment blank samples demonstrates there was not the potential for cross-contamination at regulated levels as a result of decontamination procedures.

Duplicate Samples

The purpose of the mask duplicate samples was to evaluate the ability of the laboratory to replicate data. One masked duplicate sample for soil was collected from GSB-2 at four feet. No VOCs or PNAs were identified above Reporting Limits in the GSB-2 at four feet and Duplicate – Soil samples. The reported concentrations of lead in the GSB-2 and Duplicate Soil samples were similar (1,900 ug/Kg and 2,100 ug/Kg).

One masked duplicate sample for groundwater was collected from GSB-2 at 16 to 21 feet. No contaminants of concern were identified above Reporting Limits in the GSB-2 at 16 to 21 feet and Duplicate-GW samples.

The analytical results for the duplicate samples indicate that no concerns were identified relative to the ability of the laboratory to replicate data.

Laboratory Data

TriMatrix provided a Quality Assurance Report for the volatile, semi-volatile and metals Laboratory Batches. Envirologic conducted a comparative analysis of the matrix spike and matrix spike duplicate (MS/MSD) results. The purpose of MS/MSD samples is to verify the accuracy and precision of the laboratory operations and evaluate the impact of matrix effects (i.e., bias) on overall analytical performance. The reported percent recovery for analytes in the MS and MSD samples were similar.

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Data Reduction and Processing

Limited data reduction and processing was conducted. The field notes were composed by Field Geologist Robert Webster. The analytical laboratory data sheets were reviewed and reduced into a table for the Phase II ESA report by Envirologic Project Manager Erik Peterson. The Phase II ESA report was reviewed by Senior Environmental Scientist David Stegink.

STATISTICAL TEST

Several statistical methods were used for the laboratory data. The first statistical analysis was the comparison of the actual reporting limit to the laboratory standard reporting limit. With the exception of select PNAs from samples BSB-3, GSB-5, GSB-5, and GSB-7, actual Reporting Limits were consistent with laboratory standard reporting limits.

The second statistical analysis was the direct comparison of the detected analytes to the cleanup criteria. Conclusions can be drawn from a direct comparison of contaminant and cleanup concentrations and thus further statistics were not employed to develop background concentrations.

CONCLUSIONS

All of the data collected has been verified and is valid to make decisions for the DQOs. The data presents conditions that would logically be expected based upon the identified site use history and previous analytical results.

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6. REFERENCES

Phase I and Phase II Environmental Site Assessment, 720 W. Monroe St., Bangor, Michigan, January 20, 2012, Envirologic Technologies, Inc.

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