

Hello Everyone!!

We're excited to share the full study for the Initial Environmental Review that Alpine Environmental completed for Growing Green. We have shared with Alpine Environmental our intent to make this full report accessible to the public, and they have agreed. Thank you Alpine Environmental!

Everything contained within this report is public record.

A quick note, there are two tables containing the information for the quantity of Heavy Metal Results in the Soil on page 18 and Ground Water Results on page 19. Ground water was collected from underground, within the drilled cores. We have not yet completed surface water testing.

While Table 1 shows Heavy Metals above detection levels, their ranges remain within naturally occurring levels. Table 2 shows some exceedences from safe drinking water standards, but it is important to remember that these ground water samples were unfiltered samples. Filtration systems for wells should easily reduce these exceedences for safe drinking water levels.

We recommend having drinking water wells tested on a regular basis, and the following is information for organizations that can provide this testing in our area:

 Morgan County Board of Health – <u>https://www.morgancountyhealth.com/environmental-health/drinking-water-testing</u>

PHASE I/II ENVIRONMENTAL SITE ASSESSMENT Growing Green, Inc. Martinsville, IN 46151

11 September 2020

Alpine Environmental, Inc. Project No. J-158-01

PREPARED FOR:

Growing Green, Inc. PO Box 1948 Martinsville, IN 46151

PREPARED BY:

Alpine Environmental, Inc. P.O. Box 1555 Martinsville, IN 46151 11 September 2020

Ms. Stephanie Nutter Growing Green, Inc. PO Box 1948 Martinsville, IN 46151

> RE: Phase I/II Environmental Site Assessment Smith Farm Godsey Road Martinsville, IN 46151 Alpine Project Number J-158-01

Dear Stephanie:

Alpine Environmental, Inc., (Alpine) has completed a Phase I/II Environmental Site Assessment of property referred to as the Smith Farm located at the intersection of Turkey Track and Godsey Roads and also on Old State Road 37 in Martinsville, Indiana. The attached report documents the conditions encountered at the time of the site assessment and presents conclusions relative to the subject property.

Sincerely,

ALPINE ENVIRONMENTAL, INC.

Robert A. Downey President

RAD/rad

cc: Alpine Project File J-158-01

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Smith Farm Godsey Road and Old State Road 37 Martinsville, IN 46151

ALPINE PROJECT NUMBER J-158-01

Table of Contents

1.0	Summary				
2.0	Introduction				
	2.1	Purpose	1		
	2.2	Detailed Scope of Services	2		
	2.3	Significant Assumptions	3		
	2.4	Limitations and Exceptions of Assessment	3		
	2.5	Special Terms and Conditions	4		
	2.6	User Reliance	4		
3.0	Site Description				
	3.1	Location and Legal Description	4		
	3.2	Site and Vicinity Characteristics	5		
	3.3	Description of Structures	6		
	3.4	Current Uses of the Subject Property	6		
	3.5	Current Uses of the Adjoining Properties	6		
4 0	User Provided Information				
	4.1	Title Records	6		
	4.2	Environmental Liens or Activity and Use Limitations	6		
	4.3	Specialized Knowledge	6		
	4.4	Valuation Reduction for Environmental Issues	7		
	4.5	Owner, Property Manager and Occupant Information	7		
	4.6	Reason for Performing the Phase I Environmental Site Assessment	7		
	4.7	Other	7		
5.0	Records Review				
	5.1	Standard Federal and State Environmental Record Sources	7		
	5.2	Additional State and Local Environmental Record Sources	10		
	5.3	Physical Setting Sources	10		
	5.4	Historical Use Information on the Subject Property	11		
	5.5	Historical Use Information on Adjoining Properties	13		

6.0	Site Reconnaissance				
	6.1 Methodology and Limiting Conditions	14			
	6.2 General Site Setting	14			
	6.3 Exterior Observations	14			
	6.4 Interior Observations	16			
7.0	Interviews				
	7.1 Interview with Owner	16			
	7.2 Interview with Property Manager	16			
	7.3 Interview with Occupants	16			
	7.4 Interview with Local Government Officials	16			
	7.5 Interviews with Others	16			
8.0	Limited Phase II Environmental Site Assessment	17			
	8.1 Scope of Work	17			
	8.2 Soil Sampling Procedure	17			
	8.3 Piezometer Installation	17			
	8.4 Piezometer Development Procedure	17			
	8.5 Ground Water Sampling Procedure	17			
	8.6 Soil and Ground Water Sampling Results	18			
9.0	Findings	18			
10.0	Opinion	18			
11.0	Conclusions	19			
12.0	Deviations				
13.0	Additional Services	19			
14.0	References	19			
15.0	Signatures of Environmental Professionals				
16.0	Qualifications of Environmental Professionals	20			
17.0	AppendicesISigned Contract AgreementIIVicinity MapsIIIEDR Database SearchIVEDR Aerial PhotographsVSoil Boring LogsVILaboratory Certificates of Analysis	20			

EXECUTIVE SUMMARY

Alpine Environmental, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-13 Standard and a Limited Phase II Environmental Site Assessment of the subject property located in Martinsville, Indiana. This Phase I ESA revealed no evidence of a recognized environmental condition (REC) in connection with the subject property. Also, no historical recognized environmental conditions (HRECs) in connection with the subject property or properties, and no controlled recognized environmental conditions (CRECs) were identified in connection with properties located within applicable search radii prescribed in the ASTM E1527-13 Standard.

The Phase II ESA findings of detectable levels of heavy metals in soil and ground water samples and nitrates in ground water samples are not considered to be indicative of exceedances of applicable Primary Drinking Water Standards.

1.0 SUMMARY

Alpine Environmental, Inc. (Alpine) was retained by Growing Green, Inc. to conduct a Phase I /II Environmental Site Assessment (Phase I/II ESA) of the Smith Farm which comprises four (4) separate parcels of real estate; three (3) of which are located west of Turkey Track Road and south of Godsey Road and one (1) of which is located east of Old State Road 37 and south of the intersection of Hacker Creek Road and Old State Road 37 in Martinsville, Indiana. The Phase I ESA was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice, E 1527-13. The assessment consisted of a review of records, a visual survey of the sites and surrounding area, and interviews with local government representatives. Any exceptions to, or deletions from, this practice are described in the individual sections of the main report.

Alpine performed this assessment during July of 2020 for Growing Green, Inc. The purpose of this report is to convey the findings, conclusions and recommendations of this assessment.

2.0 INTRODUCTION

In July of 2020, Alpine performed a Phase I/II ESA of the Smith Farm; comprised of four (4) separate parcels of real estate; three (3) of which are located west of Turkey Track Road and south of Godsey Road and one (1) of which is located east of Old State Road 37 and south of the intersection of Hacker Creek Road and Old State Road 37 (hereafter referred to as the subject property), located in Martinsville, Indiana at the request of Growing Green, Inc. The assessment consisted of a review of available governmental agency records, a visual survey of the site and surrounding areas, and interviews with local government representatives. Available pertinent U.S. Environmental Protection Agency (U.S. EPA), Indiana Department of Environmental Management (IDEM), and local agency and historical records were reviewed for indications of prior site use and possible environmental concerns for the subject properties and the surrounding areas.

This report has been prepared for the exclusive use of Growing Green, Inc. This report and the findings, conclusions and recommendations contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, or used by or relied upon by any other party.

2.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the processes prescribed in the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E1527-13 (ASTM 2013), recognized environmental conditions (RECs) in connection with the subject properties.

A REC is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicate of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment."

In addition, the ASTM E1527-13 standard includes the need to address controlled recognized environmental conditions (CRECs). A CREC is "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g. as evidenced by the issuance of a No Further Action (NFA) letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g. property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Finally, the ASTM E1527-13 standard includes a requirement to address historical recognized environmental conditions (HRECs). A HREC is "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g. property use restrictions, activity and use limitations, institutional controls, or engineering controls).

2.2 Detailed Scope of Services

The Scope of Work for this Phase I ESA included the following activities:

- Performing a visual reconnaissance-level survey of the subject property;
- Reviewing the subject property history for evidence of current, past, and/or material threat of release(s) of hazardous material(s) and petroleum product(s) and assessing the potential for on-site release(s) of hazardous material(s) and/or petroleum product(s);
- Evaluating land use in the vicinity of the subject property;
- Reviewing selected regulatory files of hazardous waste activities and/or reported releases that have occurred on, or adjacent to, the subject property as provided by a review of a database search provided by Environmental Data Resources);
- Interviewing owners, occupants, local government representatives, or other persons familiar with the subject property; and
- Preparing a letter report documenting the findings, conclusions, and recommendations of the Phase I ESA.

A copy of the signed contract agreement between Alpine and Growing Green, Inc. (hereafter referred to as the Client) is provided in **Appendix I.**

2.3 Significant Assumptions

This Phase I ESA was conducted to identify RECs in connection with the subject property. RECs include the presence, or likely presence, of any hazardous substance(s) and/or petroleum product(s) on the subject property that indicates an existing release, past release, or a material threat of a release of any hazardous substance(s) and/or petroleum product(s) into structures on the subject property and/or into the ground, ground water and/or surface water at the subject property. The Phase I ESA is not intended to include *de minimis* conditions that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A *de minimis* condition does **not** represent a REC.

Some substances may be present on the subject property in quantities and under conditions that may lead to contamination of the subject property or of nearby properties but are not included in the CERCLA definition of hazardous substances or do not otherwise present potential CERCLA liability. These substances are beyond the scope of this practice. Assessment of non-scope substances is not required for compliance with this ASTM Standard. The following substances are non-scope conditions/tasks: biological contaminants, radon, lead in drinking water, asbestos, lead paint, wetlands, regulatory compliance, ecological resources, endangered species, indoor air quality, cultural and historical resources, industrial hygiene, health and safety, and high voltage power lines. This list is not intended to be all-inclusive.

Alpine assumes the information provided in the regulatory database search, the records reviewed concerning the subject property, observations made during site reconnaissance, and information disclosed during personal interviews are true and reliable to the extent of our research and information reviewed.

The Client did not convey the reason for performing the Phase I ESA; therefore Alpine assumes this Phase I ESA is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense pursuant to the Comprehensive Environmental Response, Compensation, and Liability (CERCLA) liability; that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC 9601 (35) (B).

2.4 Limitations and Exceptions of Assessment

This Phase I ESA was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

This Phase I ESA was prepared in accordance with the ASTM E1527-13 standard, which presents the guidelines set for Phase I Environmental Site Assessments. The observations and conclusions presented in this report are professional opinions based on the Scope of Work, work schedule, and information obtained through the Phase I ESA described herein.

Opinions presented herein apply to site conditions existing at the time of conducting this Phase I ESA and cannot necessarily be taken to apply to site conditions or changes that Alpine is not aware of or have not had the opportunity to evaluate.

Please recognize that conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation and the methods used to collect and evaluate the data, and that a full and complete determination of environmental risks cannot be established. A more extensive investigation beyond this Phase I ESA could provide additional information concerning site-specific conditions. Although Alpine has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

2.5 Special Terms and Conditions

The Scope of Work for this Phase I ESA did not include the assessment of business environmental risks associated with the subject property. Business environmental risks may include, but are not limited to, the following contaminants and/or issues: radon, lead in drinking water, asbestos, lead-based paint, mold, wetlands, regulatory compliance, ecological resources, endangered species, indoor air quality, cultural and historical resources, industrial hygiene, health and safety, and high voltage power lines.

Please note the aforementioned substances/conditions may be present on the subject property in quantities and under conditions that may result in contamination of the subject property or adjacent properties but are not included in CERCLA's definition of hazardous substances or do not otherwise present potential CERCLA liability. These substances/conditions are beyond the scope of this practice. Assessment of business environmental risks is not required for compliance with the ASTM Phase I Environmental Site Assessment Standard.

2.6 User Reliance

This report has been prepared for the exclusive use of the Client. This report and the findings, conclusions and recommendations contained herein shall not, in whole or in part, be disseminated or conveyed to any party, or used by or relied upon by any other party, without the prior written consent of the Client. Use of this report by any other party shall be at such party's sole risk.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The subject property is currently utilized for agricultural purposes and consists of approximately 110 acres. The subject property is located within a portion of the east $\frac{1}{2}$ of Section 23 and the west $\frac{1}{2}$ of Section 24; Township 11 North; Range 1 West of Morgan County, Indiana. A topographic map depicting the location of the subject property is included as **Figure 1** in **Appendix II.**

3.2 Site and Vicinity Characteristics

The Hindustan Quadrangle topographic map was reviewed to examine the topography, drainage features and land use of the subject property and surrounding areas. The U.S. Geological Survey last revised the topographic map in 2013. Based on the topographic map and observations of surrounding properties made during the site visit, the subject property is situated in an area of agricultural land uses in the rural portion of Martinsville, Indiana.

The topography of the site is relatively flat with a ground surface elevation of approximately 600 above mean sea level (AMSL). Surface drainage on the subject property is directed towards surface water bodies located on the site acreage. The nearest surface water body is Little Indian Creek which is located immediately east of the parcel located along Old State Road 37 and then meanders in a northwesterly direction under Interstate 69 and through the northernmost parcel before flowing under Godsey Road and discharging into Jordan Creek which ultimately drains into the White River approximately 3500 feet northwest of the subject property. In addition, an unnamed tributary to Little Indian Creek bisects the subject property in the west-central portion of it before discharging into a ditch that runs along Interstate 69 and flows in a northerly direction before draining into Little Indian Creek.

The regional ground water flow direction in the vicinity of the subject property is presumed to be in a westerly direction towards the White River. Local patterns of ground water flow in the shallow unconsolidated deposits are controlled primarily by topography and proximity to local surface water features, such as lakes and creeks. The nearest significant surface water feature is Little Indian Creek which flows in a northwesterly direction along and through much of the subject property. Site-specific information, however, generated by a minimum of three ground water monitoring wells, is required to accurately determine the local ground water flow direction in the vicinity of the subject property.

According to the United States Department of Agriculture (USDA) Soil Conservation Service Soil Survey of Morgan County, the soil on the subject property is primarily mapped as Banlic silt loam. This soil type is nearly level, somewhat poorly drained, and formed on very low terraces. Additional soil types on the subject property are the Alford silt loam which is a moderately sloping, well-drained soil formed on uplands; the Berks channery silt loam which is a very steep, well-drained soil formed on side slopes; the Gilpin silt loam which is a moderately steep, welldrained soil formed on uplands; the Stonelick sandy loam which is a nearly level, well-drained soil formed on flood plains; and the Wakeland silt loam which is a nearly level, somewhat poorly drained soil formed on flood plains of creeks.

According to the Geologic Survey Map of Indiana, the surficial geology in the vicinity of the subject property is characterized as valley train and outwash sediments consisting primarily of sand and gravel which is overlain with silt and clay. These deposits are typically between 50-100 feet thick. According to the Indiana Geologic Survey, the surficial deposits overly Mississippian-age limestone bedrock belonging to the Sanders Group.

3.3 Description of Structures

The subject property has been historically utilized for agricultural purposes with a barn and outbuilding situated on the site acreage. The subject property consists of approximately 110.0 acres. According to the Morgan County GIS website, the on-site buildings were reportedly erected in 1960.

The site visit to the subject property was performed on 23 July 2020.

3.4 Current Uses of Subject Property

The subject property is utilized for agricultural purposes with the exception of the southernmost parcel which is overgrown with native vegetation.

3.5 Current Uses of Adjoining Properties

Neighboring property uses are primarily agricultural. Godsey Road is located immediately north of the parcels that are located west of Interstate 69 with agricultural land to the north of Godsey Road. Single-family residences and the New Testament Baptist Church are located immediately south of the parcels which are located west of Interstate 69. Turkey Track Road is located immediately east of the parcels which are located west of Interstate 69. Forested land is located immediately west of the parcels that are located west of Interstate 69. Agricultural land and forested land are located north, south, and east of the parcel which is located along Old State Road 37. Old State Road 37 is located immediately west of Old State Road 37.

Godsey Road, Turkey Track Road, and Old State Road 37 all provide access to the subject property.

4.0 USER-PROVIDED INFORMATION

4.1 Title Records

The Client conveyed no information regarding title records for the subject property.

4.2 Environmental Liens or Activity and Use Information

The Client conveyed no knowledge of environmental liens or activity use limitations regarding the subject property.

4.3 Specialized Knowledge

The Client conveyed no specialized knowledge regarding the subject property.

4.4 Valuation Reduction for Environmental Issues

The Client conveyed no valuation reduction for environmental issues regarding the subject property.

4.5 **Owner(s), Property Manager and Occupant Information**

Alan K. and Carol C. Smith are listed as the current owners of the subject property according to information obtained from the Morgan County Assessor's Office.

4.6 Reason for Performing the Phase I Environmental Site Assessment

The Client did not convey the reason for performing the Phase I ESA; therefore Alpine assumes this Phase I ESA is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability; that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC 9601 (35) (B).

4.7 Other

The Client did not convey any other information concerning the subject property.

5.0 RECORDS REVIEW

As part of the Phase I ESA, Alpine reviewed regulatory databases and available agency records and files for the subject property and surrounding areas. Information obtained from these sources is discussed in the following sections.

5.1 Standard Federal and State Environmental Record Sources

A search of available records on file with various regulatory agencies was conducted by EDR to help identify RECs in connection with the subject property and surrounding areas. A copy of a portion of the EDR database search is provided in **Appendix IV**. Regulatory database lists were reviewed for cases pertaining to: federal National Priorities List (NPL), federal Compensation and Liability Information System (CERCLIS), federal CERCLIS no further remedial action planned (NFRAP) list, federal Resource Conservation and Recovery Act (RCRA) corrective action sites (CORRACTS), federal RCRA non-CORRACTS treatment, storage, and disposal (TSD) facilities list, federal RCRA generators list, federal emergency response notification system (ERNS) list, state list of hazardous waste sites identified for investigation or remediation, state-equivalent NPL list, state-equivalent CERCLIS, state landfill and/or solid waste disposal site lists, state spill list, state leaking underground storage tank (UST) lists, and state registered UST list. The aforementioned database lists were searched at the approximate minimum search distance radii as outlined in *Section 7.2.1.1* of the (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E1527-13 (ASTM 2013).

Regulatory database lists were reviewed for cases pertaining to: Federal National Priorities List (NPL), Federal Compensation and Liability Information System (CERCLIS), Federal CERCLIS no further remedial action planned (NFRAP) list, Federal Resource Conservation and Recovery

Growing Green, Inc. Phase I ESA Alpine Job # J-158-01 Act (RCRA) corrective action sites (CORRACTS), Federal RCRA non-CORRACTS treatment, storage, and disposal (TSD) facilities list, Federal RCRA generators list, Federal emergency response notification system (ERNS) list, State list of hazardous waste sites identified for investigation or remediation, State-equivalent NPL list, State-equivalent CERCLIS, State landfill and/or solid waste disposal site lists, State spill list, State leaking underground storage tank (UST) lists, and State registered UST list. The aforementioned database lists were searched at the approximate minimum search distance radii as outlined in *Section 7.2.1.1* of the (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* E1527-13 (ASTM 2013).

The facilities identified in the EDR database search were evaluated using Alpine's professional judgment to determine the potential impact to the subject property. The factors considered in evaluating the potential impact include a facility's distance from the subject property, a facility's operational activities, historical documentation, and the facility's location with regard to the subject property based on the assumed ground water flow direction. For example, a facility not located adjacent to a subject property, or downgradient of a subject property with respect to the assumed ground water flow direction, will not be expected, in general, to impact the subject property in question. ASTM standard environmental record sources are summarized below. The EDR database search is provided in **Appendix III**.

National Priorities List (Published by the USEPA)

The National Priorities List (NPL) is a subset of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and identifies over 1,200 sites for priority cleanup under the Superfund program. The NPL is maintained by the United States Environmental Protection Agency (USEPA). The EDR database search identified no NPL sites within a one-mile radius of the subject property.

Comprehensive Environmental Response, Compensation, and Liability Information System (Published by the USEPA)

The 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 CERCLA. CERCLIS contains sites, which are either proposed, or on the NPL and sites which are in the screening and assessment phase for possible inclusion on the NPL. Sites that have been designated "no further remedial action planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was discovered, contamination was remediated quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Superfund action. The EDR database search identified no CERCLIS sites and no NFRAP sites within a ¹/₂-mile radius of the subject property.

Corrective Action Sites (Published by the USEPA)

The Corrective Action Sites (CORRACTS) database identifies hazardous waste handlers with Resource Conservation Recovery Act (RCRA) corrective action activity. The EDR database search identified no CORRACTS sites within a one-mile radius of the subject property.

Resource Conservation and Recovery Information System (Published by the USEPA) The Resource Conservation and Recovery Information System (RCRIS) includes selective information on sites, which generate (RCRA GEN), treat, store and/or dispose (RCRA TSD) of hazardous waste as defined by the RCRA. The EDR database search identified one (1) RCRA GEN sites and no RCRA TSD sites within a ¹/₄-mile and ¹/₂-mile radius, respectively of the

According to the EDR database, the Adkins, Inc. site located at 3245 Old State Road 37 North, is situated approximately 0.30 miles south-southeast of the subject property. This site notified as a Conditionally Exempt Small Quantity Generator of hazardous waste on 21 August 1986. Adkins, Inc. notified the USEPA on 20 April 1992 that this business had moved and was no longer at this location.

This site does not pose a REC to the subject property since it is no longer in operation at this location.

Emergency Response Notification System (Published by the USEPA/National Response Center)

The Emergency Response Notification system (ERNS) records and stores information on reported releases of petroleum and hazardous substances that require emergency response activities. The EDR database search did not identify the subject property as having reported any emergency response activities that would be included in the ERNS database.

State Spill Sites (Published by the IDEM)

This IDEM database contains a listing of sites where a spill of hazardous materials has occurred. The EDR database search has reported no spills of petroleum on the subject property which have resulted in Leaking Underground Storage Tank Incidents being assigned.

State Hazardous Waste Sites (Published by the IDEM)

This IDEM database contains a listing of all hazardous waste inventory sites found in Indiana maintained by the Office of Emergency Response (OER) of the IDEM. The EDR database search did not identify the subject property as having been included on the list of hazardous waste sites for potential investigation or remediation.

Permitted Solid Waste Landfills (Published by the IDEM)

This IDEM database contains a listing of permitted solid waste landfills (SWL) and transfer stations as maintained by the Office of Solid and Hazardous Waste Management. The EDR database search did not identify any SWL and/or transfer station sites within a ¹/₂-mile radius of the subject property.

Brownfields Sites (Published by the IDEM and USEPA)

This IDEM and USEPA database contains a listing of sites that have entered into the Brownfields program with the agency to undertake an investigation and potentially remediation for contaminants in soil and/or ground water. The EDR database search identified no Brownfields sites within a ¹/₂-mile radius of the subject property.

State Clean Up Sites (Published by the IDEM)

This IDEM database contains a listing of sites that have entered into the State Clean Up program with the IDEM to undertake an investigation and potentially remediation for contaminants in soil and/or ground water. The EDR database search identified no State Clean Up sites within a ¹/₂-mile radius of the subject property.

Leaking Underground Storage Tank Sites (Published by the IDEM)

This IDEM database contains a listing of Leaking Underground Storage Tank (LUST) sites within the State of Indiana as maintained by the IDEM. The EDR database search identified no LUST sites within a ¹/₂-mile radius of the subject property.

Registered Storage Tank Sites (Published by the IDEM)

This IDEM database contains a listing of registered Underground Storage Tanks (USTs) within the State of Indiana. According to the EDR database there are no active UST sites located within a ¹/₄-mile radius of the subject property.

The Marathon BP#1 site, located at RR #1, is situated approximately near the end of the south end of the subject property. This site notified the IDEM on 1 May 1986 as having one (1) underground storage tank on the premises. However, this site is considered to have been misidentified and inaccurately located since it is known that a gas station has ever operated at this location.

This site does not pose a REC to the subject property since it is not known to have been located near the subject property.

5.2 Additional State and Local Environmental Record Sources

None.

5.3 **Physical Setting Sources**

The Hindustan Quadrangle topographic map was reviewed to examine the topography, drainage features and land use of the subject property and surrounding areas. The U.S. Geological Survey last revised the topographic map in 2013. Based on the topographic map and observations of surrounding properties made during the site visit, the subject property is situated in an area of agricultural land uses in the rural portion of Martinsville, Indiana.

The topography of the site is relatively flat with a ground surface elevation of approximately 600 above mean sea level (AMSL). Surface drainage on the subject property is directed towards

surface water bodies located on the site acreage. The nearest surface water body is Little Indian Creek which is located immediately east of the parcel located along Old State Road 37 and then meanders in a northwesterly direction under Interstate 69 and through the northernmost parcel before flowing under Godsey Road and discharging into Jordan Creek which ultimately drains into the White River approximately 3500 feet northwest of the subject property. In addition, an unnamed tributary to Little Indian Creek bisects the subject property in the west-central portion of it before discharging into a ditch that runs along Interstate 69 and flows in a northerly direction before draining into Little Indian Creek.

The regional ground water flow direction in the vicinity of the subject property is presumed to be in a westerly direction towards the White River. Local patterns of ground water flow in the shallow unconsolidated deposits are controlled primarily by topography and proximity to local surface water features, such as lakes and creeks. The nearest significant surface water feature is Little Indian Creek which flows in a northwesterly direction along and through much of the subject property. Site-specific information, however, generated by a minimum of three ground water monitoring wells, is required to accurately determine the local ground water flow direction in the vicinity of the subject property.

According to the United States Department of Agriculture (USDA) Soil Conservation Service Soil Survey of Morgan County, the soil on the subject property is primarily mapped as Banlic silt loam. This soil type is nearly level, somewhat poorly drained, and formed on very low terraces. Additional soil types on the subject property are the Alford silt loam which is a moderately sloping, well-drained soil formed on uplands; the Berks channery silt loam which is a very steep, well-drained soil formed on side slopes; the Gilpin silt loam which is a moderately steep, welldrained soil formed on uplands; the Stonelick sandy loam which is a nearly level, well-drained soil formed on flood plains; and the Wakeland silt loam which is a nearly level, somewhat poorly drained soil formed on flood plains of creeks.

According to the Geologic Survey Map of Indiana, the surficial geology in the vicinity of the subject property is characterized as valley train and outwash sediments consisting primarily of sand and gravel which is overlain with silt and clay. These deposits are typically between 50-100 feet thick. According to the Indiana Geologic Survey, the surficial deposits overly Mississippian-age limestone bedrock belonging to the Sanders Group.

5.4 Historical Use Information on the Subject Property

Alpine reviewed reasonably ascertainable historical information regarding the subject property and the surrounding areas. The purpose of the review was to identify potential historical sources of hazardous materials and/or petroleum products usage in the immediate vicinity of the subject property that could have the potential to adversely impact soil and/or ground water beneath the subject property. These activities are described in the following sections.

Aerial Photographs

A 2016 aerial photograph for the subject property was obtained from EDR. This aerial photograph shows the subject property as it currently exists. Aerial photographs obtained from EDR for 2012, 2008, 1998, 1986, 1977, 1964, 1954, and 1946 also show the subject property as it currently exists. Copies of the aerial photographs are provided in **Appendix IV**.

Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were developed from the late 1800's until around the 1970's. Sanborn Maps were not available for the subject property and surrounding areas.

Recorded Land Title Records

Ownership of the subject property was researched in the Morgan County GIS website. Property transfer records were reviewed to determine the current owner of the subject property and prior ownership. This records review was not performed by a title company and was limited to deeds only and did not include miscellaneous or mortgage information. This information should only be used in the context of this report.

The Morgan County GIS website information indicates that the current owners of the subject property are listed as Alan K. and Carol C. Smith.

USGS 7.5 Minute Topographic Maps

Historical USGS 7.5 Minute Topographic Maps of the subject property and surrounding areas were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Local Street Directories

Local street directories, often called "city directories", provide historical detailed information for properties such as property name and use (i.e. gas stations and dry cleaners). City directories have been published for various United States cities and towns since the 18th century. City directories for the subject property were provided by EDR. The subject property did not have any addresses listed for the subject property.

Building Department Records

Historical building department records for the subject property were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Zoning/Land Use Records

Zoning/land use records were not reviewed for the subject property during this Phase I ESA due to historical land use information obtained from alternative sources.

Other Historical Sources

No other historical sources were reviewed for the subject property during this Phase I ESA.

Summary of Historical Uses of the Subject Property

The subject property has been utilized for agricultural purposes since at least 1946.

Growing Green, Inc. Phase I ESA Alpine Job # J-158-01

5.5 Historical Use Information on Adjoining Properties

Alpine reviewed reasonably ascertainable historical information regarding the surrounding areas. The purpose of the review was to identify potential historical sources of hazardous materials and/or petroleum products usage in the immediate vicinity of the subject properties that could have adversely impacted soils and ground water beneath the subject property. These activities are described in the following sections.

Aerial Photographs

Aerial photographs for the adjacent properties were obtained from EDR. A 2016 aerial photograph shows the adjacent properties as they currently exist. Aerial photographs for 2012, 2008, 1998, 1986, and 1977 show State Road 37 as a 4-lane highway. The 1964 and 1954 aerial photographs show State Road 37 as a 2-lane highway and a single-family residence is shown near where Old State Road 37 and State Road 37 intersect. The 1946 aerial photograph shows Old State Road 37 with State Road 37 not being present. The aforementioned single-family residence is also not present. The single-family residences located to the west of Old State Road 37 are not present in the 1954 and 1946 aerial photographs. These residences are present in the 1964, 1977, 1986, 1998, 2008, 2012, and 2016 aerial photographs. The former Idle Zone boat repair business is shown to the north of the intersection of Godsey Road and Turkey Track Road in the 2012, 2008, and 1998 aerial photographs. The former Idle Zone boat repair business is not shown in the 2016 aerial photograph as the Interstate 69 access ramp had taken that acreage. The former Idle Zone boat repair business is not shown in the 1986, 1977, 1964, 1954, and 1946 aerial photographs. The single-family residence to the south of the subject property is shown in the 2016, 2012, 2008, 1998, and 1986 aerial photographs.

Sanborn Fire Insurance maps

Sanborn Fire Insurance Maps were developed from the late 1800's until around the 1970's. Sanborn maps were not available for the adjacent properties.

Recorded Land Title Records

Historical recorded land title records of adjacent properties on the Morgan County GIS website were not reviewed due to historical land use information obtained from alternative sources.

USGS 7.5 Minute Topographic Maps

Historical USGS 7.5 Minute Topographic Maps for the adjacent properties were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Local Street Directories

Local street directories, often called "city directories", provide historical detailed information for properties such as property name and use (i.e. gas stations and dry cleaners). City directories have been published for various United States cities and towns since the 18th century. City directories for the adjacent properties were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Building Department records

Historical building department records of adjacent properties were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Zoning/Land Use Records

Historical zoning/land use records of adjacent properties were not reviewed during this Phase I ESA due to historical land use information obtained from alternative sources.

Other Historical Sources

No other historical information sources for adjacent properties were reviewed as part of this Phase I ESA.

Summary of Historical Uses of Adjoining Properties

The former Idle Zone boat repair business to the north of the northernmost boundary of the subject property (Godsey Road) was present at least as far back as 1998. The single-family residence to the south of the subject property has been present at least far back as 1986. State Road 37 is shown as a 4-land highway as far back as 1977. State Road 37 was shown as a 2-lane highway as far back as 1954. Old State Road 37 is shown without State Road 37 being present as far back as 1946. The single-family residences to the west of Old State Road 37 are present at least as far back as 1964. The land to the west of the subject property has shown to be primarily forested or utilized for agricultural purposes as far back as 1946.

6.0 SITE RECONNAISANCE

On 23 July 2020, an inspection of the subject property was conducted to evaluate the condition of the on-site buildings and to identify potential sources of environmental concern. Mr. Robert Downey conducted the inspection, and he was accompanied by Ms. Stephanie Cutter during the inspection.

6.1 Methodology and Limiting Conditions

The subject property was investigated by walking the site acreage.

6.2 General Subject Property Setting

See Sections 3.2 and 3.3. The subject property is not currently connected to municipal water or sanitary sewer services. Electrical service is provided to portions of the subject property by Duke Energy while other portions are provided electrical service by South-Central Indiana REMC. The subject property is situated within the rural portion of the City of Martinsville in an area of primarily agricultural land uses.

6.3 Exterior Observations

Not applicable.

Current Use(s) of the Property

The aforementioned site visit revealed the subject property is primarily utilized for agricultural purposes. The westernmost portion of the subject property is forested, and the southernmost portion of the subject property is mostly overgrown with native vegetation.

Past Uses(s) of the Property

The subject property has been used primarily for agricultural purposes as far back as at least 1946.

Hazardous Substances and Petroleum Products in Connection with Identified Use

Not applicable.

Hazardous Substances and Petroleum Products Not Necessarily in Connection with

Identified Use

No hazardous substances and petroleum products not necessarily in connection with identified use were observed on the subject property. However, it is presumed that agricultural chemicals, i.e. pesticides and herbicides have been applied to the portion of the subject property which has been historically farmed.

Unidentified Substance Containers

No unidentified substance containers were observed on the subject property.

Storage Tanks

No storage tanks were observed on the subject property.

Indications of PCBs

The Toxic Substances Control Act (TSCA) of 1976 regulates the use, handling, transport and disposal of polychlorinated biphenyls (PCBs). PCBs are typically found in oil-filled electrical equipment such as transformers, capacitors, hydraulics, or heat transfer equipment because of their nonflammable characteristics. No electrical transformers were observed on the subject property at the time of the site visit on 23 July 2020.

Indications of Solid Waste Disposal

No solid waste disposal was observed on the subject property during the site visit.

Odors/Pools of Liquids

No odors or pool of liquids were observed on the subject property during the site visit.

Drums

No drums were observed on the subject property during the site visit.

Pits/Ponds/Lagoons

No pits or lagoons were observed on the subject property during the site visit. A small pond is located in the west-central portion of the subject property.

Growing Green, Inc. Phase I ESA Alpine Job # J-158-01

Stained Soil and Pavement

No areas of stained pavement on the subject property were observed during the site visit.

Solid Waste Dumping Areas

No dumping of solid waste was observed on the subject property during the site visit.

Stressed Vegetation

No evidence of stressed vegetation was observed on the subject property during the site visit.

Wastewater Discharge

No evidence of wastewater discharge was noted on the subject property during the site visit. Stormwater runoff on the subject property is directed to Little Indian Creek, an unnamed tributary to Little Indian Creek, and a roadside ditch which parallels Interstate 69.

Wells

No dry wells, irrigation wells, injection wells, or abandoned wells were noted on the subject property during the site visit.

Other Conditions of Concern

No other conditions of concern were noted during the site visit.

6.4 Interior Observations

The on-site out-buildings associated with the former farming operations are not occupied and are generally in disrepair.

7.0 INTERVIEWS

7.1 Interview with Property Owner

Not applicable.

7.2 Interview with Property Manager Not applicable.

7.3 Interviews with Occupants Not applicable.

7.4 Interviews with Local Government Officials Morgan County Health Department

Not applicable.

City of Martinsville Fire Department

Not applicable.

7.5 Interviews with Others

No other interviews were conducted during this Phase I ESA.

Growing Green, Inc. Phase I ESA Alpine Job # J-158-01

8.0 LIMITED PHASE II ESA

8.1 Scope of Work

On 23-24 July 2020 a Geoprobe drill rig was mobilized to the subject property to conduct a limited Phase II Environmental Site Assessment (ESA). The scope of work for the limited Phase II ESA included advancing six (6) soil borings across the subject property; collecting soil samples on a continual basis to the approximate depth where ground water was encountered; installing samples of ground water from each of the piezometers; and submitting a soil sample from each soil boring and a ground water sample from each piezometer for laboratory analysis of chemicals of concern (heavy metals, herbicides, pesticides, and nitrates (ground water, only).

8.2 Soil Sampling Procedure

The soils encountered consisted of silty clay, silty sand, sandy silt, fine sand, and fine-coarse sand and gravel. A portion of each soil sample was placed in a plastic ziploc bag which was labeled with the soil boring number, sample depth, and date of sample collection. The samples were described according to color, texture, grain size, moisture content, and either approximate stiffness (fine-grained material) or density (coarse-grained material). Logs of each soil boring were kept in the field and they are provided in **Appendix V**.

8.3 **Piezometer Installation**

Upon reaching a depth where the uppermost ground water surface was observed in each soil boring the probe rods were withdrawn and a 10-foot length of 2-inch inside diameter PVC slotted well screen was attached to a sufficient length of 2-inch inside diameter PVC casing to extend the piezometer to a height of approximately 2-3 feet above the ground surface. Each piezometer was equipped with a locking cap.

8.4 Piezometer Development Procedure

The piezometers were developed prior to collecting ground water samples by using dedicated polyethylene bailers. The depth to ground water was first measured in each piezometer by using a Solinst Water Level Meter, and the static water levels were recorded in the field log book. The total depth of each piezometer was also measured, and the depth to ground water was subtracted from the total depth of the piezometer to determine the volume of water contained within each piezometer. A minimum of three (3) volumes of water from each piezometer was then removed unless the piezometer went dry before three (3) volumes was removed. A dedicated length of cotton twine was used to lower and retrieve the bailers, and the water that was removed was collected in 5-gallon plastic buckets which were emptied on the premises. The piezometers were developed on 27 July 2020.

8.5 Ground Water Sampling Procedure

The piezometers were sampled on 28 July 2020 using the aforementioned dedicated bailers. The static water levels in each piezometer were observed as having recovered to within 0.25 feet of the level which had been measured prior to development. The pH, dissolved oxygen, and temperature of the water was measured in each piezometer prior to collecting the samples. Each

sample container was labeled with the date and time of sample collection, the job number, and the project description. The ground water samples and soil samples were placed on ice into coolers provided by the laboratory which conducted the analysis and shipped via Federal Express to the laboratory.

8.6 Soil and Ground Water Analytical Results

The soil and ground water samples were submitted to Pace Analytical in Mt. Juliet, Tennessee. Copies of the individual laboratory certificates of analysis are provided in **Appendix VI**. Chainof-Custody was maintained on the samples until they arrived at the laboratory.

Analytical results for soil samples which were collected indicate the presence of several heavy metals; including arsenic, barium, chromium, and lead. However, the levels which were detected for the aforementioned metals are within the range which occur naturally in soil that has been reported in the published literature. The results for heavy metal analysis in soil are depicted in **Table 1**. The results for herbicide and pesticide analysis in the soil samples indicate that no parameters were present above laboratory detection limits.

Analytical results for ground water samples that were collected indicate the presence of arsenic, barium, cadmium, chromium, lead, and selenium. The Primary Drinking Water Standards for various metals in several of the samples were exceeded. However, the ground water samples were not filtered in the field so the levels which were detected are not representative of those which would be expected to be present in water that has been treated. The PDWS are based on treated water. Therefore, the levels of metals which were detected in the samples are not necessarily indicative of exceedances of applicable PDWS. This is attributable to the presence of dissolved solids in the water samples which contributes to the levels of metals that sorb onto the sediment particles that are suspended in the water. The results for herbicide and pesticide analysis in the ground water samples indicate that no parameters were present above laboratory detection limits. Nitrate was detected in four (4) of the six (6) ground water samples, but the PDWS (10.0 mg/L) was not exceeded in these samples.

The results for heavy metal analysis in ground water are depicted in Table 2.

9.0 FINDINGS

Alpine has included the findings of each of its activities conducted during this Phase I ESA at the end of each applicable section of this report describing said activities. No REC in connection with the subject property, no HRECs, and no CRECs in connection with properties located within applicable search radii prescribed in the ASTM E1527-13 Standard were noted during the course of this Phase I ESA. The Limited Phase II ESA findings indicate the presence of some heavy metals in soil and ground water samples which were collected.

10.0 OPINION

Alpine has included the environmental professional's opinion of the potential impact on the subject property from those issues identified during this Phase I ESA as the result of site reconnaissance, interviews, and record reviews at the end of each applicable section of this report.

Table 1

Growing Green, Inc.

Heavy Metals Results in Soil

	Arsenic	Barium	Chromium	Lead
Sample ID				
GP-1	5.12	122.0	21.8	12.9
GP-2	18.0	101.0	22.7	15.9
GP-3	4.07	79.7	16.0	7.62
GP-4	12.9	100.0	18.1	19.7
GP-5	ND @ 2.56	62.6	15.7	6.66
GP-6	2.78	56.1	12.3	7.00
Range	<0.1-97.0	10.0-5,000.0	1.0-2,000.0	<10.0-700.0

All results reported in mg/kg (milligrams/kilogram)

Table 2

Growing Green, Inc.

Ground Water Results

	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Nitrate
Sample ID							
GP-1	0.0188	0.109	ND@0.002	ND@0.01	ND@0.006	ND@0.01	ND@0.1
GP-2	0.032	0.135	ND@0.002	0.0214	0.0217	ND@0.01	6.07
GP-3	ND@0.01	0.0724	ND@0.002	ND@0.01	ND@0.006	ND@0.01	1.91
GP-4	0.109	0.503	0.00879	0.170	0.211	0.0222	2.18
GP-5	ND@0.01	0.203	ND@0.002	0.0217	0.0120	ND@0.01	0.434
GP-6	0.0153	0.517	ND@0.002	0.0651	0.0489	ND@0.01	ND@0.1
PDWS	0.01	2.0	0.005	0.1	0.015	0.05	10.0

All results reported in mg/l (milligrams/liter)

11.0 CONCLUSIONS

Alpine Environmental, Inc. has performed a Phase I Environmental Site Assessment (ESA) and Limited Phase II ESA in conformance with the scope and limitations of ASTM E1527-13

Standard for Phase I ESAs and ASTM E1903-19 Standard for Phase II ESAs of the subject property located in Martinsville, Indiana. The Phase I ESA revealed no evidence of a recognized environmental condition (REC) in connection with the subject property. Also, no historical recognized environmental conditions (HRECs), and no controlled recognized environmental conditions (CRECs) were identified in connection with properties located within applicable search radii prescribed in the ASTM E1527-13 Standard. The Phase II ESA findings of detectable levels of heavy metals in soil and ground water samples and nitrates in ground water samples are not considered to be indicative of exceedances of applicable Primary Drinking Water Standards.

12.0 DEVIATIONS

Alpine did not deviate from or alter the Scope of Work as defined in **Section 2.2 and Appendix** I of this report.

13.0 ADDITIONAL SERVICES

Alpine did not perform any services outside the Scope of Work as defined in Section 2.2 and Appendix I of this report.

14.0 REFERENCES

All sources of information used during this Phase I ESA whether they produced valuable information or not are completely documented in the report at the time they were mentioned.

15.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This Phase I Environmental Site Assessment was conducted and prepared at or above the ASTM guidelines for performing Phase I Environmental Site Assessments. This assessment was prepared in accordance with the ASTM E1527-13 standard, which states "this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability." The Environmental Professional represents that to the best of the professional's knowledge, the above statements and facts are true and correct and that no material facts have been suppressed or misstated.

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

Robert A. Downey President

Date

16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS PARTICIPATING IN PHASE I ENVIRONMENTAL SITE ASSESSMENT

Mr. Robert Downey obtained his B.S. in Geology degree from Ball State University, Muncie, Indiana in 1979. Mr. Downey has completed numerous Phase I Environmental Site Assessments for a variety of industrial, commercial, and financial clients. Mr. Downey is 40-hour certified with OSHA, and he is a Licensed Professional Geologist (No. 622) in the State of Indiana.

17.0 APPENDICES

- I Signed Contract Agreement
- II Vicinity Maps
- III EDR Database Search
- IV EDR Aerial Photographs
- V Soil Boring Logs
- VI Laboratory Certificates of Analysis

Appendix I

Signed Contract Agreement

ALPINE ENVIRONMENTAL. INC. 31 March 2020

P.O. Box 1555 • Martinsville, IN 46151 alpineenviron@sbcglobal.net + 765/318-3561

Ms. Stephanie Nutter Growing Green, Inc. 26 SDE BO Beres 34 Srive Martinsville, IN 46151

> Proposal for NEPA Report/Phase I/II ESA Report Re: Smith Farm Godsey Road Martinsville, IN 46151 Alpine Environmental, Inc. Proposal AE2020-12A

Dear Stephanie;

Alpine Environmental, Inc. (Alpine) is pleased to submit this amended proposal for conducting environmental investigations of the property referred to as the "Smith Farm" which is located near Godsey Road in Martinsville, Indiana. It is our understanding that Growing Green, Inc. Is considering purchasing and developing the Smith Farm parcels which consists of four (4) separate but contiguous parcels comprising approximately 110 acres. The Smith Farm is situated approximately five (5) miles south of Martinsville, Indiana along Interstate 69 near the Liberty Church Road exit.

The Smith Farm acreage has historically been utilized for agricultural purposes, and the proposed development would be for a recycling facility, nature park, and ecological/environmental educational center.

In order to satisfy requirements of the U.S. Economic Development Administration (USEDA) Alpine will provide Growing Green, Inc. with a report following National Environmental Pollcy Act (NEPA) guidelines to address the various information sources required by this environmental law. This will include a background and literature source of available information pertaining to potential historical archeological development for the subject property.

In addition, Alpine will provide Growing Green, Inc. with a Phase I Environmental Site Assessment (ESA) following ASTM Standard E1527-13. A scope of work for the Phase I ESA follows:

- Review and comment on any prior reports sent by client or discovered during site research.
- A visual investigation of the subject property, on-site building(s), and surrounding properties to
- identify recognized environmental conditions (as defined by ASTM E1527-13), historical recognized environmental conditions, conditional recognized environmental conditions, and improper operational practices.

- Obtain an environmental database to determine if the potential exists for activities conducted on the subject property to result in a recognized environmental concern. A review of the IDEM Virtual File Cabinet database to obtain information on adjacent properties will also be conducted to determine if they have the potential to adversely impact the subject properties.
- Interview current owner/operators of the subject property utilizing a Transaction Screen Questionnaire, if applicable.
- Review other ascertainable information regarding the history of the development of the subject property such as Sanborn Fire Insurance Maps, aerial photographs, topographic maps, ownership records from the County Assessor's Office, etc.
- Contact local governmental officials such as the local health department and fire department to obtain historical information regarding spills or releases of hazardous materials which might have occurred at the subject property.
- Complete a summary report of the findings from the on-site inspection, database review, and the information obtained from the Transaction Screen Questionnaire.

Alpine will provide a professional opinion with conclusions and recommendations as to whether any recognized environmental conditions exist on the subject properties.

Finally, if directed by Growing Green, Inc. Alpine will conduct a Phase II ESA following ASTM Standard E1903-11. A scope of work for the Phase II ESA follows:

- Alpine will supervise the advancement of six (6) soil probes to be extended to the uppermost ground water surface (assumed to be 30 feet below grade) using a Geoprobe drill rig. The soil probes will be spaced across the subject property to provide representative coverage of the acreage.
- Soil samples will be continuously collected and characterized according to texture, color, grain size, moisture, and resistance.
- Collect a ground water sample from each soil probe.
- Submit one (1) soil sample and one (1) ground water sample from each soil probe for laboratory analysis for heavy metals, organochlorine pesticides, herbicides, and nitrate. The analytical results will be compared to applicable drinking water maximum contaminant levels (MCLs) established by the U.S. Environmental Protection Agency.

SCHEDULE

Alpine is prepared to commence work on this project immediately upon receipt of your written or verbal authorization. We anticipate having a report available for your review within 30 days of receipt of your written authorization to proceed.

ALPINI,

LNI IRONAILENT

Our schedule assumes that we will have unlimited access to the subject property. Please sign the attached Authorization to Proceed, as evidence of your acceptance of this proposal.

COST ESTIMATE

Our cost for performing these services is a lump sum \$16,000.00. The cost for performing this service does not include any sampling and analysis of environmental media. These services, if desired, will be quoted and provided on a time and materials basis.

Upon completion of the report, Alpine will submit an invoice to you for the lump sum price.

If you have any questions regarding this proposal, please contact us at 765/318-3561.

Sincerely,

Robert A. Downey

President Attachment

AUTHORIZATION TO PROCEED

I hereby indicate my authorization for Alpine Environmental, Inc. (Alpine) to proceed with the Scope of Work described in Alpine proposal AI 2020-12A at a cost of \$16,000.00. The signature below indicates your authorization for Alpine to commence work on this project.

Contractor: Alpine Environmental, Inc.

By: Robert D. Downey Printed Name: R. bert R. Drwacy

Title: President

Dated Signed: 14 July 2020

Client: Growing Green, Inc.

Ву:_____

Printed Name: Stephanie Nutter

Title: President

Date Signed:_____7/14/2020

Appendix II

Vicinity Maps





TP, Hindustan, 2013, 7.5-minute NE, Martinsville, 2013, 7.5-minute SW, Modesto, 2013, 7.5-minute NW, Paragon, 2013, 7.5-minute SITE NAME: Growing Green ADDRESS: Growing Green Martinsville, IN 46151 CLIENT: Alpine Environmental

6133356 - 4 page 5

Appendix III

EDR Database Search
Growing Green

Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.2s July 24, 2020

The EDR Radius Map[™] Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

FORM-LBC-PXM

TABLE OF CONTENTS

SECTION

PAGE

Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	11
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

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

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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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

GROWING GREEN MARTINSVILLE, IN 46151

COORDINATES

Latitude (North):	39.3730230 - 39° 22' 22.88''
Longitude (West):	86.4819410 - 86° 28' 54.98''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	544624.4
UTM Y (Meters):	4358092.0
Elevation:	582 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5946730 HINDUSTAN, IN
Version Date:	2013
Northeast Map:	5946994 MARTINSVILLE, IN
Version Date:	2013
Southwest Map:	5946736 MODESTO, IN
Version Date:	2013
Northwest Map:	5946742 PARAGON, IN
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140705
Source:	USDA

Target Property Address: GROWING GREEN MARTINSVILLE, IN 46151

Click on Map ID to see full detail.

MAP

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
1	MARATHON BP 1	RR1	UST	Higher	1 ft.
2	ADKINS INC	3245 OLD STATE RD 37	RCRA NonGen / NLR	Higher	157, 0.030, SSE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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 SEMS______ Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE...... Superfund Enterprise Management System Archive

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
RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity
	Generators)

Federal institutional controls / engineering controls registries

LUCIS...... Land Use Control Information System

US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROLS	Institutional Controls Sites List

Federal ERNS list

ERNS_____ Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS_____ List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

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

SWF/LF..... Permitted Solid Waste Facilities OPEN DUMPS...... Open Dump Waste Sites

State and tribal leaking storage tank lists

LUST......Lust Leaking Underground Storage Tank List INDIAN LUST.....Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST	Underground Storage Tank Listing
AST	Above Ground Storage Tanks
INDIAN UST	Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Sites with Restrictions

State and tribal voluntary cleanup sites

SCP	State Cleanup Program Sites
VCP	Voluntary Remediation Program Site List
INDIAN VCP	Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS_____ Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE	Waste Tire Sites Listing
SWRCY	Recycling Facilities
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
CDL	Clandestine Drug Lab Listing
DEL SHWS	Deleted Commissioner's Bulletin Sites List
US CDL	National Clandestine Laboratory Register
PFAS	Per- and Polyfluoroalkyl Substances

Local Land Records

LIENS 2_____ CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills Incidents
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	. EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	. FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines

FINDS_ ECHO_ UXO_ DOCKET HWC_ FUELS PROGRAM_ AIRS_ ASBESTOS_ BULK_ CFO_ COAL ASH_ DRYCLEANERS_ Financial Assurance_ IND WASTE_ MANIFEST_ NPDES_ OISC_ TIER 2_ UIC_	Facility Index System/Facility Registry System Enforcement & Compliance History Information Unexploded Ordnance Sites Hazardous Waste Compliance Docket Listing EPA Fuels Program Registered Listing Permitted Sources & Emissions Listing Asbestos Notification Listing Registered Bulk Fertilizer and Pesticide Storage Facilities Confined Feeding Operations Coal Ash Disposal Sites Drycleaner Facility Listing Financial Assurance Information Listing Industrial Waste Sites Listing Hazardous Waste Manifest Data NPDES Permit Listing Office of Indiana State Chemist Database Tier 2 Facility Listing UIC Site Listing
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

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

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 Management's Indiana Registered Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 02/04/2020 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	
MARATHON BP 1 Tank Status: Permanently Out of Service	RR1	0 - 1/8 (0.000 mi.)	1	8	
Facility Id: 5342					

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: 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 / NLR list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
ADKINS INC EPA ID:: IND981801335	3245 OLD STATE RD 37	SSE 0 - 1/8 (0.030 mi.)	2	8	

There were no unmapped sites in this report.

OVERVIEW MAP - 6133356.2S



SITE NAME: Growing	Green	CLIENT:	Alpine Environmental
ADDRESS: Growing	Green	CONTACT:	Rob Downey
Martins	ille IN 46151	INQUIRY #:	6133356.2s
LAT/LONG: 39.3730	23 / 86.481941	DATE:	July 24, 2020 1:37 pm

DETAIL MAP - 6133356.2S



Martinsville IN 46151

39.373023 / 86.481941

LAT/LONG:

INQUIRY #: 6133356.2s

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Federal Delisted NPL si	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	CTS facilities li	ist						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COF	RRACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generato	ors list							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re	ntrols / gistries							
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiv	alent CERCLIS	S						
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill a solid waste disposal sit	and/or te lists							
SWF/LF OPEN DUMPS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal leaking	storage tank l	lists						
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal register	ed storage tar	nk lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.125 0.250		1 0 0	0 NR 0	NR NR NR	NR NR NR	NR NR NR	1 0 0
State and tribal instituti control / engineering co	onal ontrol registries	;						
AUL	0.500		0	0	0	NR	NR	0
State and tribal volunta	ry cleanup site	s						
SCP VCP INDIAN VCP	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
State and tribal Brownfi	ields sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORDS							
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solid							
SWTIRE SWRCY INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardou Contaminated Sites	is waste /							
US HIST CDL CDL DEL SHWS US CDL PFAS	0.001 0.001 1.000 0.001 0.500		0 0 0 0	NR NR 0 NR 0	NR NR 0 NR 0	NR NR 0 NR NR	NR NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	Release Repor	ts						
HMIRS SPILLS SPILLS 90 SPILLS 80	0.001 TP 0.001 0.001		0 NR 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Other Ascertainable Re	cords							
RCRA NonGen / NLR FUDS	0.250 1.000		1 0	0 0	NR 0	NR 0	NR NR	1 0

	Search	- ,						T ()
Database	Distance (Miles)	l arget	~ 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	~ 1	I otal Plotted
			< 1/0	1/0 - 1/4	1/4 - 1/2	1/2 - 1		riotteu
	1 000		0	0	0	0	ND	٥
SCRD DRVCI EANERS	0.500		0	0	0		NR	0
	0.000		0			NR	NR	0
	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.001		0	0	NR	NR	NR	0
TSCA	0.200		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1 000		Ő	0	0	0	NR	0
RMP	0.001		Ő	NR	NR	NR	NR	0
RAATS	0.001		Ő	NR	NR	NR	NR	Ő
PRP	0.001		Õ	NR	NR	NR	NR	Õ
PADS	0.001		õ	NR	NR	NR	NR	Õ
ICIS	0.001		õ	NR	NR	NR	NR	õ
FTTS	0.001		Õ	NR	NR	NR	NR	Õ
MLTS	0.001		Õ	NR	NR	NR	NR	Õ
COAL ASH DOE	0.001		Ō	NR	NR	NR	NR	Ō
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		Ō	NR	NR	NR	NR	Ō
HIST FTTS	0.001		0	NR	NR	NR	NR	Ō
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		Ō	0	0	0	NR	Ō
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
BULK	0.250		0	0	NR	NR	NR	0
CFO	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
IND WASTE	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
OISC	0.250		0	0	NR	NR	NR	0
HER 2	0.001		0	NR	NR	NR	NR	0
	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
	-		-	-	-	-		-

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto EDR Hist Cleaner	0.125 0.125		0 0	NR NR	NR NR	NR NR	NR NR	0 0
EDR RECOVERED GOVERN	MENT ARCHIV	ES						
Exclusive Recovered Go	vt. Archives							
RGA HWS RGA LF RGA LUST	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
- Totals		0	2	0	0	0	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1	MARATHON BP 1 RR1	UST	U001078509 N/A
< 1/8 1 ft.	MARTINSVILLE, IN 46151		
Relative:	UST: Name:	MARATHON BP 1	
Higher	Address:	RR1	
Actual:	City,State,Zip:	MARTINSVILLE, IN 46151	
596 ft.	Facility ID:	5342	
	Owner Id:	110	
	Company Name:	Marathon Petroleum Company LLC	
	Mailing Address:	539 S Main St	
	Mailing Address 2:	Not reported	
	Maning City,St,Zip.	Finalay, OH 45640	
	Tank Number:	1	
	Tank Status:	Permanently Out of Service	
	Install Date:	Not reported	
	Tank Capacity:	550	
	Substance Desc:	Gasoline	
	Closed Date:	10/12/1988	
2		RCRA NonGen / NI R	1000258340
SSE	3245 OLD STATE RD 37N		IND981801335
< 1/8	MARTINSVILLE, IN 46151		
0.030 mi.			
157 ft.			
Relative:	RCRA NonGen / NLR:		
Higher	Date form received by agence	cy: 1987-02-17 00:00:00.0	
Actual:	Facility name:	ADKINS INC	
589 ft.	Facility address:	3245 OLD STATE RD 37N	
		MARTINSVILLE, IN 46151	
	EPA ID:	IND981801335	
	Mailing address:	1010 N MAIN ST	
		MARTINSVILLE, IN 46151	
	Contact:		
	Contact address:		
	Contact country:	INARTINSVILLE, IN 40151	
	Contact telephone:	317-342-7975	
	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:	NAME NOT REPORTED	
	Owner/operator address:	ADDRESS NOT REPORTED	
	-	CITY NOT REPORTED, AK 99998	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	312-555-1212	
	Owner/operator email:	Not reported	
	Owner/operator fax:	Not reported	
	Owner/operator extension:	Not reported	
	Legal status:	Private	
	Owner/Operator Type:	Operator	
	Owner/Op start date:	ινοι ιεροπεα	

MAP FINDINGS

Database(s)

EDR ID Number **EPA ID Number**

ADKINS INC (Continued)

	Owner/Op end date:	Not re	eported
	Owner/operator name:	ADKI	NS INC
	Owner/operator address:	1010	N MAIN ST
		MAR	TINSVILLE, IN 46151
	Owner/operator country:	Not re	eported
	Owner/operator telephone:	317-3	42-0841
	Owner/operator email:	Not re	eported
	Owner/operator fax:	Not re	eported
	Owner/operator extension:	Not re	eported
	Legal status:	Privat	te
	Owner/Operator Type:	Owne	er
	Owner/Op start date:	Not re	eported
	Owner/Op end date:	Not re	eported
ć	andler Activities Summary:		
	U.S. importer of hazardous wa	ste:	No
	Mixed waste (haz. and radioad	ctive):	No
	Recycler of hazardous waste:		No
	Transporter of hazardous was	te:	No
	Treater, storer or disposer of H	IW:	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 burne	ər:	No

Н

Used oil transfer facility:	
Used oil transporter:	

Used oil Specification marketer:

Hazardous Waste Summary:

•	Waste code: Waste name:	D000 Not Defined
•	Waste code: Waste name:	D001 IGNITABLE WASTE

No No No

F003 Waste code:

Waste name:

THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005 THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL Waste name: KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

Map ID Direction		MAP FINDINGS		
Distance				EDR ID Number
Elevation	Site		Database(s)	EPA ID Number

ADKINS INC (Continued)	1000258340
	CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Violation Status:	No violations found

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)

NO SITES FOUND

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: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/12/2020 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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

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: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/12/2020 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: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: N/A Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 07/17/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 07/17/2020 Next Scheduled EDR Contact: 10/26/2020 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: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/05/2020
	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: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 312-886-6186 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 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: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 312-886-6186 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 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: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 312-886-6186 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 312-886-6186 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 05/15/2020Source: Department of the NavyDate Data Arrived at EDR: 05/19/2020Telephone: 843-820-7326Date Made Active in Reports: 06/18/2020Last EDR Contact: 05/14/2020Number of Days to Update: 30Next Scheduled EDR Contact: 08/24/2020Data Release Frequency: Varies

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020SDate Data Arrived at EDR: 02/20/2020TDate Made Active in Reports: 05/15/2020LNumber of Days to Update: 85N

Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 05/15/2020 Next Scheduled EDR Contact: 09/07/2020 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: 03/22/2020 Date Data Arrived at EDR: 03/24/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 86 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

List of hazardous waste response sites scored utilizing the Indiana Scoring Model. The Indiana Scoring Model is a method of prioritizing, for state response actions, those hazardous substances response sites which are not on the National Priorities List. The ISM serves as the Commissioners management tool to address those sites which pose the most significant threat to human health and the environment in addition to assuring the departments resources are allocated accordingly.

Date of Government Version: 03/01/2007	Source: Department of Environmental Management
Date Data Arrived at EDR: 08/27/2007	Telephone: 317-308-3052
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 05/15/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: No Update Planned

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

SWF/LF: Permitted Solid Waste Facilities

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: 03/10/2020 Date Data Arrived at EDR: 03/13/2020 Date Made Active in Reports: 05/27/2020 Number of Days to Update: 75 Source: Department of Environmental Management Telephone: 317-232-0066 Last EDR Contact: 06/12/2020 Next Scheduled EDR Contact: 09/21/2020 Data Release Frequency: Semi-Annually

OPEN DUMPS: Open Dump Waste Sites

Open Dumps are sites that are not regulated and are illegal dump sites of solid waste, as defined by IAC 10-2-28 329 and IAC 10-2-128 of the Indiana Administrative Code.

Date of Government Version: 06/26/2009 Date Data Arrived at EDR: 12/11/2013 Date Made Active in Reports: 01/20/2014 Number of Days to Update: 40 Source: Department of Environmental Management Telephone: 317-232-8726 Last EDR Contact: 06/01/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Lust Leaking Underground Storage Tank List

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: 02/04/2020 Date Data Arrived at EDR: 02/25/2020 Date Made Active in Reports: 05/01/2020 Number of Days to Update: 66 Source: Department of Environmental Management Telephone: 317-232-8900 Last EDR Contact: 05/26/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage T LUSTs on Indian land in Florida, Mississippi ar	anks on Indian Land nd North Carolina.
Date of Government Version: 10/10/2019 Date Data Arrived at EDR: 12/05/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 67	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R10: Leaking Underground Storage LUSTs on Indian land in Alaska, Idaho, Orego	Tanks on Indian Land n and Washington.
Date of Government Version: 10/11/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 68	Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R6: Leaking Underground Storage T LUSTs on Indian land in New Mexico and Okla	anks on Indian Land ahoma.
Date of Government Version: 10/02/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 68	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R9: Leaking Underground Storage T LUSTs on Indian land in Arizona, California, N	anks on Indian Land ew Mexico and Nevada
Date of Government Version: 10/04/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/27/2020 Number of Days to Update: 85	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R8: Leaking Underground Storage T LUSTs on Indian land in Colorado, Montana, N	anks on Indian Land Jorth Dakota, South Dakota, Utah and Wyoming.
Date of Government Version: 10/03/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/14/2020 Number of Days to Update: 72	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R1: Leaking Underground Storage T A listing of leaking underground storage tank le	anks on Indian Land ocations on Indian Land.
Date of Government Version: 10/01/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 68	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage T LUSTs on Indian land in Iowa, Kansas, and Ne	anks on Indian Land ebraska
Date of Government Version: 10/15/2019 Date Data Arrived at EDR: 12/17/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 55	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

UST: Indiana Registered Underground Storage Tanks

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: 02/04/2020 Date Data Arrived at EDR: 02/25/2020 Date Made Active in Reports: 05/01/2020 Number of Days to Update: 66 Source: Department of Environmental Management Telephone: 317-308-3008 Last EDR Contact: 05/26/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank sites that reported under the emergency rule.

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Source: N/A Telephone: 317-232-2393 Last EDR Contact: 04/23/2020 Next Scheduled EDR Contact: 08/17/2020 Data Release Frequency: N/A

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: 10/10/2019Source: EPA ReDate Data Arrived at EDR: 12/05/2019Telephone: 404Date Made Active in Reports: 02/10/2020Last EDR ContaNumber of Days to Update: 67Next Scheduled

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies

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: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies

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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies

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: 10/01/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 68

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 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: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	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: 10/02/2019 Date Data Arrived at EDR: 12/04/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 68

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/20/2020 Next Scheduled EDR Contact: 08/03/2020 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Restrictions

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 02/04/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 03/05/2020	Telephone: 317-232-8603
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/26/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/07/2020
	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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/17/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Varies

VCP: Voluntary Remediation Program Site List

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 02/11/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/07/2020	Telephone: 317-234-0966
Date Made Active in Reports: 06/24/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

SCP: State Cleanup Program Sites

The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

Date of Government Version: 02/12/2020 Date Data Arrived at EDR: 04/07/2020 Date Made Active in Reports: 06/24/2020 Number of Days to Update: 78 Source: Department of Environmental Management Telephone: 317-233-0068 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redeveloopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 02/20/2020 Date Data Arrived at EDR: 02/25/2020 Date Made Active in Reports: 05/11/2020 Number of Days to Update: 76 Source: Department of Environmental Management Telephone: 317-233-2570 Last EDR Contact: 05/26/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020 Date Data Arrived at EDR: 06/02/2020 Date Made Active in Reports: 06/09/2020 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 06/02/2020 Next Scheduled EDR Contact: 09/28/2020 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Indiana.

Date of Government Version: 02/19/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/20/2020	Telephone: 317-234-4050
Date Made Active in Reports: 04/30/2020	Last EDR Contact: 07/08/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

SWTIRE: Waste Tire Sites Listing

This listing consists of Tire Sites - sites which contain tires - either for processing, for storage, or transport - as well as some illegal tire dumps, as defined by IC 13-11-2-251, IC 13-11-2-252, and IC 13-11-250.5 of the Indiana Code.

Date of Government Version: 10/19/2018 Date Data Arrived at EDR: 01/04/2019 Date Made Active in Reports: 02/08/2019 Number of Days to Update: 35 Source: Department of Environmental Management Telephone: 317-232-8726 Last EDR Contact: 06/05/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Varies

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: 07/21/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Varies

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: 07/14/2020 Next Scheduled EDR Contact: 11/02/2020 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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014Source: Department of Health & Human Serivces, Indian Health ServiceDate Data Arrived at EDR: 08/06/2014Telephone: 301-443-1452Date Made Active in Reports: 01/29/2015Last EDR Contact: 05/01/2020Number of Days to Update: 176Next Scheduled EDR Contact: 08/10/2020Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drub labs that have been cleaned up.

Date of Government Version: 08/29/2016	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/05/2016	Telephone: 317-416-5031
Date Made Active in Reports: 10/20/2016	Last EDR Contact: 07/01/2020
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/04/2008	Telephone: 317-234-0347
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 05/15/2020
Number of Days to Update: 10	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

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: 03/18/2020	Sou
Date Data Arrived at EDR: 03/19/2020	Tele
Date Made Active in Reports: 06/09/2020	Las
Number of Days to Update: 82	Nex

Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 05/18/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Quarterly

PFAS: Per- and Polyfluoroalkyl Substances

A listing of Known PFAS contaminated sites in Indiana.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/07/2020 Date Made Active in Reports: 03/06/2020 Number of Days to Update: 59

Source: Department of Environmental Management Telephone: 317-232-8667 Last EDR Contact: 05/18/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies

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: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22

Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Semi-Annually

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: 02/27/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2020	Telephone: 202-366-4555
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 01/31/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/25/2020	Telephone: 317-308-3038
Date Made Active in Reports: 05/01/2020	Last EDR Contact: 05/26/2020
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/07/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/11/2013 Number of Days to Update: 39

Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/11/2002 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/28/2013 Number of Days to Update: 56

Source: FirstSearch Telephone: N/A Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 03/23/2020 Date Data Arrived at EDR: 03/25/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 57 Source: Environmental Protection Agency Telephone: 312-886-6186 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

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: 01/28/2020 Date Data Arrived at EDR: 02/19/2020 Date Made Active in Reports: 05/14/2020 Number of Days to Update: 85 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 05/18/2020 Next Scheduled EDR Contact: 08/31/2020 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: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually

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: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019 Number of Days to Update: 574 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/06/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: N/A

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: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017 Number of Days to Update: 63 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 05/15/2020 Next Scheduled EDR Contact: 08/24/2020 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/23/2020 Date Data Arrived at EDR: 03/24/2020 Date Made Active in Reports: 06/18/2020 Number of Days to Update: 86 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 06/22/2020 Next Scheduled EDR Contact: 10/05/2020 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 617-520-3000 Last EDR Contact: 05/04/2020 Next Scheduled EDR Contact: 08/17/2020 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73 Source: Environmental Protection Agency Telephone: 703-308-4044 Last EDR Contact: 05/08/2020 Next Scheduled EDR Contact: 08/17/2020 Data Release Frequency: Varies

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: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018 Number of Days to Update: 198 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 06/17/2020 Next Scheduled EDR Contact: 09/28/2020 Data Release Frequency: Every 4 Years

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: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-566-0250
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Annually

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: 03/01/2020 Date Data Arrived at EDR: 04/21/2020 Date Made Active in Reports: 07/15/2020	Source: EPA Telephone: 202-564-4203 Last EDR Contact: 07/21/2020
Date Made Active in Reports: 07/15/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Annually

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: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019 Date Data Arrived at EDR: 11/20/2019 Date Made Active in Reports: 04/17/2020 Number of Days to Update: 149 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 07/15/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Varies

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: 04/17/1995Source:Date Data Arrived at EDR: 07/03/1995TelephoDate Made Active in Reports: 08/07/1995Last EDNumber of Days to Update: 35Next Source:

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/30/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

Date Made Active in Reports: 01/15/2020

Number of Days to Update: 42

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: 10/09/2019 Date Data Arrived at EDR: 10/11/2019 Date Made Active in Reports: 12/20/2019 Number of Days to Update: 70	Source: EPA Telephone: 202-566-0500 Last EDR Contact: 07/13/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Annually
ICIS	ntegrated Compliance Information System he Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement nd compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) rogram.	
	Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79	Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Quarterly
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: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned
FTT	S INSP: FIFRA/ TSCA Tracking System - FIFR A listing of FIFRA/TSCA Tracking System (FT	A (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) TS) 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: 08/18/2017 Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned
MLT	S: Material Licensing Tracking System MLTS is maintained by the Nuclear Regulatory possess or use radioactive materials and whic EDR contacts the Agency on a quarterly basis	/ Commission and contains a list of approximately 8,100 sites which h are subject to NRC licensing requirements. To maintain currency,
	Date of Government Version: 10/25/2019 Date Data Arrived at EDR: 10/25/2019 Date Made Active in Reports: 01/15/2020 Number of Days to Update: 82	Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 07/20/2020 Next Scheduled EDR Contact: 11/02/2020 Data Release Frequency: Quarterly
COA	AL ASH DOE: Steam-Electric Plant Operation D A listing of power plants that store ash in surfa	ata ce ponds.
	Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 12/04/2019	Source: Department of Energy Telephone: 202-586-8719

Last EDR Contact: 06/05/2020

Data Release Frequency: Varies

Next Scheduled EDR Contact: 09/14/2020
COA	AL ASH EPA: Coal Combustion Residues Surface A listing of coal combustion residues surface in	ce Impoundments List npoundments with high hazard potential ratings.
	Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019 Number of Days to Update: 251	Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 06/01/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Varies
PCE	TRANSFORMER: PCB Transformer Registrati The database of PCB transformer registrations	on Database that includes all PCB registration submittals.
	Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 96	Source: Environmental Protection Agency Telephone: 202-566-0517 Last EDR Contact: 05/08/2020 Next Scheduled EDR Contact: 08/17/2020 Data Release Frequency: Varies
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: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019 Number of Days to Update: 84	Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 06/24/2020 Next Scheduled EDR Contact: 10/12/2020 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
HIS	FTTS INSP: FIFRA/TSCA Tracking System In A complete inspection and enforcement case li regions. The information was obtained from the of FIFRA (Federal Insecticide, Fungicide, and F EPA regions are now closing out records. Beca	spection & Enforcement Case Listing sting from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA National Compliance Database (NCDB). NCDB supports the implementation Rodenticide Act) and TSCA (Toxic Substances Control Act). Some ause of that, and the fact that some EPA regions are not providing

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

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020 Number of Days to Update: 80 Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595 Last EDR Contact: 04/28/2020 Next Scheduled EDR Contact: 08/10/2020 Data Release Frequency: Quarterly

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: 06/30/2020	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/15/2020	Telephone: Varies
Date Made Active in Reports: 07/21/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

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.

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

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: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017 Number of Days to Update: 546 Source: USGS Telephone: 202-208-3710 Last EDR Contact: 07/07/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018 Number of Days to Update: 3 Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 04/29/2020 Next Scheduled EDR Contact: 08/17/2020 Data Release Frequency: Varies

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: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020 Number of Days to Update: 74 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/18/2020 Next Scheduled EDR Contact: 08/31/2020 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites A listing of former lead smelter site locations.	
Date of Government Version: 04/27/2020 Date Data Arrived at EDR: 05/06/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 22	Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 06/30/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies
LEAD SMELTER 2: Lead Smelter Sites A list of several hundred sites in the U.S. when may pose a threat to public health through ing	re secondary lead smelting was done from 1931and 1964. These sites estion or inhalation of contaminated soil or dust
Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010 Number of Days to Update: 36	Source: American Journal of Public Health Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned
US AIRS (AFS): Aerometric Information Retrieval S The database is a sub-system of Aerometric Ir on air pollution point sources regulated by the information comes from source reports by vari steel mills, factories, and universities, and prov air program, air program pollutant, and general data from industrial plants.	Bystem Facility Subsystem (AFS) Information Retrieval System (AIRS). AFS contains compliance data U.S. EPA and/or state and local air regulatory agencies. This ious stationary sources of air pollution, such as electric power plants, vides information about the air pollutants they produce. Action, al level plant data. It is used to track emissions and compliance
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
US AIRS MINOR: Air Facility System Data A listing of minor source facilities.	
Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017 Number of Days to Update: 100	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 09/26/2017 Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually
MINES VIOLATIONS: MSHA Violation Assessment Mines violation and assessment information. E	t Data Department of Labor, Mine Safety & Health Administration.
Date of Government Version: 03/31/2020 Date Data Arrived at EDR: 04/01/2020 Date Made Active in Reports: 05/21/2020 Number of Days to Update: 50	Source: DOL, Mine Safety & Health Admi Telephone: 202-693-9424 Last EDR Contact: 05/27/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Quarterly
US MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	d for mines active or opened since 1971. The data also includes
Date of Government Version: 02/11/2020 Date Data Arrived at EDR: 02/25/2020 Date Made Active in Reports: 05/21/2020	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 05/21/2020

Next Scheduled EDR Contact: 09/07/2020

Number of Days to Update: 86

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018 Date Data Arrived at EDR: 02/28/2020 Date Made Active in Reports: 05/22/2020 Number of Days to Update: 84 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/27/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 97 Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/21/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020 Date Data Arrived at EDR: 03/06/2020 Date Made Active in Reports: 05/29/2020 Number of Days to Update: 84 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 06/19/2020 Next Scheduled EDR Contact: 09/21/2020 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: 02/03/2020 Date Data Arrived at EDR: 03/03/2020 Date Made Active in Reports: 05/28/2020 Number of Days to Update: 86

Source: EPA Telephone: (312) 353-2000 Last EDR Contact: 06/02/2020 Next Scheduled EDR Contact: 09/14/2020 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018 Number of Days to Update: 71 Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 05/18/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

	Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/17/2019 Date Made Active in Reports: 04/01/2019 Number of Days to Update: 74	Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Varies
ECH	O: Enforcement & Compliance History Informat ECHO provides integrated compliance and enf	ion orcement information for about 800,000 regulated facilities nationwide.
	Date of Government Version: 04/04/2020 Date Data Arrived at EDR: 04/07/2020 Date Made Active in Reports: 06/26/2020 Number of Days to Update: 80	Source: Environmental Protection Agency Telephone: 202-564-2280 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Quarterly
FUE	LS PROGRAM: EPA Fuels Program Registered This listing includes facilities that are registered Programs. All companies now are required to s	d Listing d under the Part 80 (Code of Federal Regulations) EPA Fuels ubmit new and updated registrations.
	Date of Government Version: 02/18/2020 Date Data Arrived at EDR: 02/19/2020 Date Made Active in Reports: 05/14/2020 Number of Days to Update: 85	Source: EPA Telephone: 800-385-6164 Last EDR Contact: 05/19/2020 Next Scheduled EDR Contact: 08/31/2020 Data Release Frequency: Quarterly
AIRS	B: Permitted Sources & Emissions Listing Current permitted sources and emissions inver	itory information.
	Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 07/17/2019 Date Made Active in Reports: 09/20/2019 Number of Days to Update: 65	Source: Department of Environmental Management Telephone: 317-233-0185 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies
ASB	ESTOS: Asbestos Notification Listing A listing of asbestos notification site locations.	
	Date of Government Version: 10/28/2019 Date Data Arrived at EDR: 12/02/2019 Date Made Active in Reports: 02/04/2020 Number of Days to Update: 64	Source: Department of Environmental Management Telephone: 317-233-0178 Last EDR Contact: 07/21/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Varies
BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.		
	Date of Government Version: 05/01/2019 Date Data Arrived at EDR: 05/07/2019 Date Made Active in Reports: 07/02/2019 Number of Days to Update: 56	Source: Office of Indiana State Chemist Telephone: 765-494-0579 Last EDR Contact: 07/21/2020 Next Scheduled EDR Contact: 11/09/2020 Data Release Frequency: Varies
CFO	: Confined Feeding Operations This dataset consists of Confined Feeding Ope that has large enough numbers of animals that of the Indiana Code.	rations - i.e. A swine, chicken, turkey, beef or dairy agri-business IDEM regulates for environmental concerns, as defined by IC 13-18-10
	Date of Government Version: 11/09/2018 Date Data Arrived at EDR: 04/03/2019 Date Made Active in Reports: 05/01/2019 Number of Days to Update: 28	Source: Department of Environmental Management Telephone: 317-232-8726 Last EDR Contact: 06/29/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites A listing of coal ash disposal site locations.

Date of Government Version: 11/19/2016 Date Data Arrived at EDR: 01/04/2017 Date Made Active in Reports: 01/20/2017 Number of Days to Update: 16 Source: Department of Environmental Management Telephone: 317-233-4624 Last EDR Contact: 06/03/2020 Next Scheduled EDR Contact: 09/21/2020 Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 10/17/2017	Source: Department of Environmental Management
Date Data Arrived at EDR: 03/13/2018	Telephone: 800-988-7901
Date Made Active in Reports: 04/18/2018	Last EDR Contact: 06/03/2020
Number of Days to Update: 36	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing Financial assurance information.

Date of Government Version: 01/03/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 01/07/2020	Telephone: 317-233-1052
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 06/24/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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: 01/03/2020 Date Data Arrived at EDR: 01/07/2020 Date Made Active in Reports: 03/06/2020 Number of Days to Update: 59 Source: Department of Environmental Management Telephone: 317-233-1052 Last EDR Contact: 06/24/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Varies

IND WASTE: Industrial Waste Sites Listing

The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality.

Date of Government Version: 08/04/2015	Source: Department of Environmental Management
Date Data Arrived at EDR: 09/09/2015	Telephone: 317-232-8726
Date Made Active in Reports: 10/07/2015	Last EDR Contact: 06/01/2020
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

IN MANIFEST: 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: 12/31/2018	Source
Date Data Arrived at EDR: 01/02/2020	Teleph
Date Made Active in Reports: 03/05/2020	Last E
Number of Days to Update: 63	Next S

Source: Department of Environmental Management Telephone: 317-233-4624 Last EDR Contact: 07/02/2020 Next Scheduled EDR Contact: 10/12/2020 Data Release Frequency: Annually

A listing of active NPDES Permit Section facilit	ty locations.		
Date of Government Version: 03/11/2020 Date Data Arrived at EDR: 04/07/2020 Date Made Active in Reports: 06/24/2020 Number of Days to Update: 78	Source: Department of Environmental Management Telephone: 317-233-0676 Last EDR Contact: 07/07/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies		
OISC: Office of Indiana State Chemist Database Restricted use pesticide dealers and pesticide	& fertilizer applicators.		
Date of Government Version: 03/17/2020 Date Data Arrived at EDR: 03/18/2020 Date Made Active in Reports: 04/15/2020 Number of Days to Update: 28	Source: Office of Indiana State Chemist & Seed Telephone: 765-494-1492 Last EDR Contact: 06/17/2020 Next Scheduled EDR Contact: 09/28/2020 Data Release Frequency: Quarterly		
TIER 2: Tier 2 Facility Listing A listing of facilities which store or manufacture	e hazardous materials that submit a chemical inventory report.		
Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 05/03/2019 Date Made Active in Reports: 07/03/2019 Number of Days to Update: 61	Source: Department of Environmental Management Telephone: 317-233-0066 Last EDR Contact: 05/19/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies		
UIC: UIC Site Listing A listing of class II well locations			
Date of Government Version: 02/24/2020 Date Data Arrived at EDR: 02/25/2020 Date Made Active in Reports: 05/04/2020 Number of Days to Update: 69	Source: Department of Natural Resources Telephone: 317-232-0045 Last EDR Contact: 05/26/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies		
PCS: Permit Compliance System PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.			
Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011 Number of Days to Update: 55	Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 06/08/2020 Next Scheduled EDR Contact: 09/21/2020 Data Release Frequency: Semi-Annually		
PCS INACTIVE: Listing of Inactive PCS Permits An inactive permit is a facility that has shut down or is no longer discharging.			
Date of Government Version: 11/05/2014 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 05/06/2015 Number of Days to Update: 120	Source: EPA Telephone: 202-564-2496 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Semi-Annually		
PCS ENF: Enforcement data No description is available for this data			
Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015 Number of Days to Update: 29	Source: EPA Telephone: 202-564-2497 Last EDR Contact: 07/01/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Varies		

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

> Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019 Number of Days to Update: 3

Source: USGS Telephone: 703-648-6533 Last EDR Contact: 05/21/2020 Next Scheduled EDR Contact: 09/07/2020 Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A	Source: Department of Environmental Management
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A	Source: Department of Environmental Management
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/20/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 203	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/24/2013 Number of Days to Update: 176 Source: Department of Environmental Management Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

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: 01/30/2020 Date Data Arrived at EDR: 01/30/2020 Date Made Active in Reports: 03/09/2020 Number of Days to Update: 39	Source: Department of Energy & Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 05/12/2020 Next Scheduled EDR Contact: 08/24/2020 Data Release Frequency: No Update Planned	
NJ MANIFEST: Manifest Information Hazardous waste manifest information.		
Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019 Number of Days to Update: 36	Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/19/2020 Data Release Frequency: Annually	

Telephone: 518-402-8651 Last EDR Contact: 04/29/2020

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: 01/01/2019 Date Data Arrived at EDR: 04/29/2020 Date Made Active in Reports: 07/10/2020 Number of Days to Update: 72

PA MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019 Number of Days to Update: 53

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 10/02/2019 Date Made Active in Reports: 12/10/2019 Number of Days to Update: 69

VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

> Date of Government Version: 10/28/2019 Date Data Arrived at EDR: 10/29/2019 Date Made Active in Reports: 01/09/2020 Number of Days to Update: 72

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019 Number of Days to Update: 76

Data Release Frequency: Quarterly Source: Department of Environmental Protection

Next Scheduled EDR Contact: 08/10/2020

Source: Department of Environmental Conservation

Telephone: 717-783-8990 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Annually

Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 05/14/2020 Next Scheduled EDR Contact: 08/31/2020 Data Release Frequency: Annually

Source: Department of Environmental Conservation Telephone: 802-241-3443 Last EDR Contact: 07/09/2020 Next Scheduled EDR Contact: 10/26/2020 Data Release Frequency: Annually

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 06/04/2020 Next Scheduled EDR Contact: 09/21/2020 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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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: Child Care Listing Source: Family & Social Services Administration Telephone: 317-232-4740

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GROWING GREEN GROWING GREEN MARTINSVILLE, IN 46151

TARGET PROPERTY COORDINATES

Latitude (North):	39.373023 - 39° 22' 22.88"
Longitude (West):	86.481941 - 86° 28' 54.99"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	544624.4
UTM Y (Meters):	4358092.0
Elevation:	582 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5946730 HINDUSTAN, IN
Version Date:	2013
Northeast Map:	5946994 MARTINSVILLE, IN
Version Date:	2013
Southwest Map:	5946736 MODESTO, IN
Version Date:	2013
Northwest Map:	5946742 PARAGON, IN
Version Date:	2013

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.

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 ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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.

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

Flood Plain Panel at Target Property	FEMA Source Type
18109C0355E	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
18109C0245E 18109C0265E 18109C0264E 18109C0335E	FEMA FIRM Flood data FEMA FIRM Flood data FEMA FIRM Flood data FEMA FIRM Flood data
NATIONAL WETLAND INVENTORY	
	NWI Electronic
NWI Quad at Target Property	Data Coverage
HINDUSTAN	YES - refer to the Overview Map and Detail Map

LOCATION

FROM TP

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.

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 Not Reported GENERAL DIRECTION GROUNDWATER FLOW

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

GEOLOGIC AGE IDENTIFICATION

Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Osagean and Kinderhookian Series		
Code:	M1 (decoded above as Era, System & S	Series)	

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:	RENSSELAER	
Soil Surface Texture:	loam	
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.	
Soil Drainage Class:	Not reported	
Hydric Status: Soil meets the requirements for a hydric soil.		
Corrosion Potential - Uncoated Steel:	MODERATE	
Depth to Bedrock Min:	> 60 inches	
Depth to Bedrock Max:	> 60 inches	

Soil Layer Information							
	Bou	indary		Classi	fication		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	15 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: 6.10
2	15 inches	38 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
3	38 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
4	42 inches	60 inches	stratified	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: 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:	silt loam clay loam silty clay loam fine sandy loam silty clay loamy fine sand
Surficial Soil Types:	silt loam clay loam silty clay loam fine sandy loam silty clay loamy fine sand
Shallow Soil Types:	silt loam loam sandy loam sand silty clay loam
Deeper Soil Types:	loam sand

silt loam clay loam silty clay loam gravelly - sand

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
A3	USGS40000308109	1/8 - 1/4 Mile NE
4	USGS40000308087	1/4 - 1/2 Mile SE
E18	USGS40000308108	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	INLIT3000084895	1/8 - 1/4 Mile NE
A2	INDNR5000034378	1/8 - 1/4 Mile NE
B5	INLIT3000084901	1/4 - 1/2 Mile ENE
B6	INDNR5000034381	1/4 - 1/2 Mile ENE
C7	INDNR5000034353	1/4 - 1/2 Mile SW
C8	INLIT3000084914	1/4 - 1/2 Mile SW
9	INDNR5000034364	1/4 - 1/2 Mile ESE
10	INDNR5000034352	1/2 - 1 Mile SE
D11	INDNR5000034342	1/2 - 1 Mile SSW
D12	INLIT3000084886	1/2 - 1 Mile SSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
13	INDNR5000034385	1/2 - 1 Mile ENE
14	INDNR5000034363	1/2 - 1 Mile ESE
15	INDNR5000034380	1/2 - 1 Mile East
E16	INLIT3000084897	1/2 - 1 Mile East
E17	INDNR5000034377	1/2 - 1 Mile East
F19	INLIT3000101000	1/2 - 1 Mile NE
F20	INDNR5000034406	1/2 - 1 Mile NE
G21	INDNR5000034327	1/2 - 1 Mile SSW
G22	INLIT3000084866	1/2 - 1 Mile SSW
H23	INDNR5000034389	1/2 - 1 Mile ENE
H24	INDNR5000034386	1/2 - 1 Mile ENE
H25	INDNR5000034388	1/2 - 1 Mile ENE
G26	INDNR5000034324	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 6133356.2s



SITE NAME:	Growing Green	CLIENT	Alpine Environmental
ADDRESS:	Growing Green	CONTACT	Rob Downey
LAT/LONG:	Martinsville IN 46151	INQUIRY #:	6133356.2s
	39.373023 / 86.481941	DATE:	July 24, 2020 1:40 pm

Map ID Direction					
Elevation				Database	EDR ID Number
A1 NE 1/8 - 1/4 Mile Higher				IN WELLS	INLIT3000084895
iLITH ID: Elevation (ft): Drilled Depth: Completion Date: Record Source:	84899 587.48 24 1979-06-28 00:00:00 IDNR		Agency ID: Lithologic Total Depth: Static Water Level: Driller: Bedrock Depth:	209 88 6.01 USC 88	619 I GS/Lee Watson
A2 NE 1/8 - 1/4 Mile Higher				IN WELLS	INDNR5000034378
Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	209619 0 6.01 Not Reported Not Reported 0 21 0 0 0 0 28-JUN-79 Not Reported https://secure.in.gov/a	upps/dnr/water/d	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve # Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft Screen Diameter (in): Ground Elevation: Inr_waterwell?refNo=2096	0 500 24 0 0 2 Not 0 t): 0 1.25 587	Reported Reported .48 JMMARY&_action=Details
A3 NE 1/8 - 1/4 Mile Higher				FED USGS	USGS40000308109
Organization ID: Monitor Location: Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-IN JOHNSON MORGAN Well 05120201 Not Reported Not Reported Sand and gravel aquif Pleistocene Series 19790628 ft ft	CO GW STUD	Organization Name: Y MOR-57 24 FT Description: Drainage Area: Contrib Drainage Area: egions) Aquifer Type: Well Depth: Well Hole Depth:	USC UPE Not Not Unc 24 88	GS Indiana Water Science Center DATE 5/93 DAC DAIMAN STEWART Reported Reported
Ground water levels,Number of I Feet below surface: Note:	Measurements: 10.25 Not Reported	1	Level reading date: Feet to sea level:	197 Not	9-06-28 Reported

Map ID Direction				
Distance		r	Databasa	
		L	Jalabase	EDR ID Number
SE		F	ED USGS	USGS40000308087
1/4 - 1/2 Mile Higher				
Organization ID:	USGS-IN	Organization Name:	USG	S Indiana Water Science Cente
Monitor Location:	NAWQA AG WELL FA10 NE	AR MAXWELL, IN		
Type:	Well	Description:	COD	ED BY JOE FENELON
HUC:	05120201 Nat Departed	Drainage Area:	Not F	Reported
Contrib Drainage Area Units:	Not Reported	Contrib Drainage Area:	NOT F	керопеа
Aquifer:	Sand and gravel aguifers (gla	aciated regions)		
Formation Type:	Valley Train Deposits	Aquifer Type:	Unco	onfined single aquifer
Construction Date:	19941207	Well Depth:	26	5
Well Depth Units:	ft	Well Hole Depth:	27	
Well Hole Depth Units:	ft			
Ground water levels.Number of	f Measurements: 2	Level reading date:	1997	-11-19
Feet below surface:	11.06	Feet to sea level:	Not F	Reported
Note:	Not Reported			
Level reading date:	1995-07-27	Feet below surface:	10.42	2
Feet to sea level:	Not Reported	Note:	Not F	Reported
B5 ENE 1/4 - 1/2 Mile Higher		I	N WELLS	INLIT3000084901
iLITH ID:	84905	Agency ID:	2096	29
Elevation (ft):	600	Lithologic Total Depth:	52	-
Drilled Depth:	52	Static Water Level:	0	
Completion Date:	1965-01-20 00:00:00	Driller:	JBV	Vhitaker & Son
Record Source:	IDNR	Bedrock Depth:	28	
B6 ENE			N WELLS	INDNR5000034381
1/4 - 1/2 Mile Higher				
Well Reference #:	209629	Aquifer Elevation (ft):	0	
Bailer Water Prod (gal/min):	30	Depth to Bedrock (ft):	572	
Pump Water Prod (gal/min):	0	Screen Length (ft):	0	
Static Water Level:	0	Well Depth (ft):	52	
Owner:	J. B. WOODS	PLSS Survey Reserve #:	0	
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0	
Hours Baller [ested:	.5	Casing Diameter:	6	
Casing Length:	28	Casing Material:	Not H	
Depth to Grout:	U 5.625	Grout Method:	Not H	Keportea
Liner Drameter (III):	0	Liner Length (II): Pump Test Drawdown (ff):	0	
Hours Tested	0	Screen Diameter (in):	0	
Date Completed	0 20- JAN-65	Ground Elevation:	600	
Pump Type:	Not Reported		000	
URL:	https://secure.in.gov/apps/dn	r/water/dnr waterwell?refNo=209629	9& from=SUI	MMARY& action=Details
U L.		.,		

Map ID Direction				
Distance Elevation			Database	EDR ID Number
C7 SW 1/4 - 1/2 Mile Higher			N WELLS	INDNR5000034353
Well Reference #:	209649	Aquifer Elevation (ft):	0	
Bailer Water Prod (gal/min):	15	Depth to Bedrock (ft):	565	
Pump Water Prod (gal/min):	0	Screen Length (ft):	0	
Static Water Level:	0	Well Depth (ft):	80	
Owner:	ALLAN PEARSON	PLSS Survey Reserve #:	0	
PLSS Reserve Name:		Drawdown after Baller:	5	
Cooling Longth:	2	Casing Diameter:	4 Not F	Panartad
Dopth to Grout:	50	Casing Material.	NOL F	Reported
Liper Diameter (in):	0	Liper Length (ft):		Reported
Depth of Pump Setting	0	Pump Test Drawdown (ft)	0	
Hours Tested	0	Screen Diameter (in):	0	
Date Completed:	26-SEP-79	Ground Elevation:	615	
Pump Type:	Not Reported			
UKL.	https://secure.in.gov/apps/dni	/water/uni_waterweir/renno=20964	9&_11011=501	
C8 SW 1/4 - 1/2 Mile Higher		I	N WELLS	INLIT3000084914
ilith id:	84918	Agency ID:	2096	49
Elevation (ft):	615	Lithologic Total Depth:	80	
Drilled Depth:	80	Static Water Level:	0	
Completion Date:	1979-09-26 00:00:00	Driller:	Brian	t & Brothers
Record Source:	IDNR	Bedrock Depth:	50	
9 ESE 1/4 - 1/2 Mile Higher			N WELLS	INDNR5000034364
Well Deference #	40.4000		540	
Well Reference #:	404833	Aquiter Elevation (it):	518	
Baller Water Prod (gal/min):	0	Seroon Longth (ft):	0	
Static Water Level	0	Well Depth (ft):	2 67	
Owner:	Not Reported	PLSS Survey Reserve #	0,	
PLSS Reserve Name	Not Reported	Drawdown after Bailer	0	
Hours Bailer Tested:	0	Casing Diameter:	5	
Casing Length:	65	Casing Material:	PVC	
Depth to Grout:	20	Grout Method:	BEN	SEAL
Liner Diameter (in):	0	Liner Length (ft):	0	
Depth of Pump Setting:	0	Pump Test Drawdown (ft)	0	
Hours Tested:	1.5	Screen Diameter (in):	5	
Date Completed:	06-NOV-07	Ground Elevation:	595	
Pump Type:	Not Reported			
URL:	https://secure.in.gov/apps/dnr	/water/dnr_waterwell?refNo=40483	3&_from=SUN	MMARY&_action=Details

		[Database	EDR ID Number
10 SE 1/2 - 1 Mile Higher		I	IN WELLS	INDNR5000034352
Well Reference #:	392099	Aquifer Elevation (ft):	531	
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	0	
Pump Water Prod (gal/min):	75	Screen Length (ft):	2	
Static Water Level:	15	Well Depth (ft):	65	
Owner:	Not Reported	PLSS Survey Reserve #:	0	
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0	
Hours Bailer Tested:	0	Casing Diameter:	5	
Casing Length:	63	Casing Material:	PVC	
Depth to Grout:	50	Grout Method:	BEN	TONITE
Liner Diameter (in):	0	Liner Length (ft):	0	
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	: 0	
Hours Tested:	1	Screen Diameter (in):	5	
Date Completed:	13-MAY-05	Ground Elevation:	596	
Pump Type:	Not Reported			
ONE.	intpo://occuro.in.gov/appo/ai			
D11 SSW 1/2 - 1 Mile Higher		I	IN WELLS	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #:	209604	Aquifer Elevation (ft):	N WELLS	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min):	209604 12	Aquifer Elevation (ft): Depth to Bedrock (ft):	N WELLS 0 593	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min):	209604 12 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft):	N WELLS 0 593 0	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level:	209604 12 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft):	0 593 0 75	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner:	209604 12 0 0 WAYNE HAYDEN	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #:	0 593 0 75 0	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name:	209604 12 0 0 WAYNE HAYDEN Not Reported	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer:	0 593 0 75 0 75	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested:	209604 12 0 0 WAYNE HAYDEN Not Reported 2	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter:	0 593 0 75 0 75 4	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length:	209604 12 0 0 WAYNE HAYDEN Not Reported 2 27	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material:	0 593 0 75 0 75 4 Not F	INDNR5000034342
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout:	209604 12 0 WAYNE HAYDEN Not Reported 2 27 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method:	0 593 0 75 0 75 4 Not F Not F	INDNR5000034342 Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in):	209604 12 0 WAYNE HAYDEN Not Reported 2 27 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft):	0 593 0 75 0 75 4 Not F Not F 0	INDNR5000034342 Reported Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting:	209604 12 0 WAYNE HAYDEN Not Reported 2 27 0 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft):	0 593 0 75 0 75 4 Not F Not F 0 0	INDNR5000034342 Reported Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested:	209604 12 0 WAYNE HAYDEN Not Reported 2 27 0 0 0	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in):	0 593 0 75 0 75 4 Not F 0 5 0	INDNR5000034342 Reported Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed:	209604 12 0 0 WAYNE HAYDEN Not Reported 2 27 0 0 0 0 0 0 0 21-AUG-77	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	0 593 0 75 0 75 4 Not F 0 5 0 0 5 0 0 0 0 0	INDNR5000034342 Reported Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type:	209604 12 0 WAYNE HAYDEN Not Reported 2 27 0 0 0 0 0 21-AUG-77 Not Reported	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	0 593 0 75 0 75 4 Not F 0 5 0 0 0 0 0 620	INDNR5000034342 Reported Reported
D11 SSW 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	209604 12 0 0 WAYNE HAYDEN Not Reported 2 27 0 0 0 0 0 21-AUG-77 Not Reported https://secure.in.gov/apps/dr	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	0 593 0 75 0 75 4 Not F 0 5 0 0 620 4& from=SUM	INDNR5000034342 Reported Reported

D12 SSW 1/2 - 1 Mile Higher

iLITH ID: Elevation (ft): Drilled Depth: Completion Date: Record Source: 84890 620 75 1977-08-21 00:00:00 IDNR IN WELLS

INLIT3000084886

Agency ID: Lithologic Total Depth: Static Water Level: Driller: Bedrock Depth: 209604 75 0 Briant & Brothers 27

Elevation		Dat	abase	EDR ID Number
13 ENE 1/2 - 1 Mile Higher		IN V	VELLS	INDNR5000034385
Well Reference #:	385126	Aquifer Elevation (ft):	537	
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	0	
Pump Water Prod (gal/min):	60	Screen Length (ft):	2	
Static Water Level:	0	Well Depth (ft):	60	
Owner:	Not Reported	PLSS Survey Reserve #:	0	
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0	
Hours Bailer Tested:	0	Casing Diameter:	5	
Casing Length:	58	Casing Material	PVC	
Depth to Grout:	30	Grout Method:	BEN	IONITE
Liner Diameter (in):	0	Liner Length (ft):	0	
Dopth of Pump Sotting:	0	Pump Tost Drawdown (ft):	0	
Depth of Fullip Setting.	1	Fullip Test Diawdowin (it).	5	
Hours Tested.		Ground Elevation:	5	
Date Completed.	Not Deported	Ground Elevation.	597	
Pump Type:				
14				
14 ESE 1/2 - 1 Mile Higher		IN V	VELLS	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #:	390782	IN V Aquifer Elevation (ft):	VELLS	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min):	390782 0	IN V Aquifer Elevation (ft): Depth to Bedrock (ft):	VELLS 0 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min):	390782 0 50	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft):	0 0 2	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level:	390782 0 50 25	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft):	0 0 2 62	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner:	390782 0 50 25 Not Reported	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PI SS Survey Reserve #:	VELLS 0 0 2 62 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PL SS Reserve Name:	390782 0 50 25 Not Reported Not Reported	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer:	0 0 2 62 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested:	390782 0 50 25 Not Reported Not Reported 0	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter:	VELLS 0 0 2 62 0 0 5	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length:	390782 0 50 25 Not Reported Not Reported 0	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material:	VELLS 0 0 2 62 0 0 5 PVC	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout:	390782 0 50 25 Not Reported Not Reported 0 60	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method:	0 0 2 62 0 5 PVC BEN	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in):	390782 0 50 25 Not Reported Not Reported 0 60 30	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft):	0 0 2 62 0 5 PVC BENT 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting:	390782 0 50 25 Not Reported Not Reported 0 60 30 0	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft):	VELLS 0 0 2 62 0 5 PVC BEN 0 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested:	390782 0 50 25 Not Reported Not Reported 0 60 30 0 0	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in):	VELLS 0 0 2 62 0 5 PVC BEN 0 0 5	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Data Completed:	390782 0 50 25 Not Reported Not Reported 0 60 30 0 0 .5	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Cround Elevation:	VELLS 0 0 2 62 0 0 5 PVC BEN ⁻ 0 0 5 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Tupe:	390782 0 50 25 Not Reported Not Reported 0 60 30 0 0 .5 24-MAR-05 Not Reported	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	VELLS 0 2 62 0 5 PVC BEN ⁻ 0 0 5 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: LIBL :	390782 0 50 25 Not Reported Not Reported 0 60 30 0 0 .5 24-MAR-05 Not Reported https://secure in.gov/apps	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	VELLS 0 0 2 62 0 5 PVC BEN ⁻ 0 0 5 0 1 5 0 5 0 5 0 5 0 5 0 0 5 0 0 5 0 0 5 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 5 0 0 0 0 5 0 0 0 0 5 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0	INDNR5000034363
14 ESE 1/2 - 1 Mile Higher Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	390782 0 50 25 Not Reported Not Reported 0 60 30 0 0 .5 24-MAR-05 Not Reported https://secure.in.gov/apps/	IN V Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	VELLS 0 0 2 62 0 5 PVC BEN ⁻ 0 0 5 0	INDNR5000034363

Well Reference #:	445218	Aquifer Elevation (ft):	516
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Prod (gal/min):	70	Screen Length (ft):	2
Static Water Level:	35	Well Depth (ft):	84
Owner:	Mark McDaniels	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	5
Casing Length:	82	Casing Material:	PVC
Depth to Grout:	82	Grout Method:	Bentonite

Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	0 0 1 14-JUN-13 Not Reported https://secure.in.gov/apps/dnr	Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation: /water/dnr_waterwell?refNo=445218&_f	0 0 5 600 rom=SUI	MMARY&_action=Details
E16 East 1/2 - 1 Mile Higher		IN W	ELLS	INLIT3000084897
iLITH ID: Elevation (ft): Drilled Depth: Completion Date: Record Source:	84901 601.81 24 1979-08-15 00:00:00 IDNR	Agency ID: Lithologic Total Depth: Static Water Level: Driller: Bedrock Depth:	2096 85 14.8 USG 81	33 S/Lee Watson
E17 East 1/2 - 1 Mile Higher		IN W	ELLS	INDNR5000034377
Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	209624 0 0 14.83 Not Reported Not Reported 0 21 0 0 0 0 15-AUG-79 Not Reported https://secure.in.gov/apps/dnr	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	0 516 2.4 24 0 2 Not F 0 1.25 601.	Reported Reported 81 MMARY&_action=Details
E18 East 1/2 - 1 Mile Higher		FED	USGS	USGS40000308108
Organization ID: Monitor Location: Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Aquifer: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-IN JOHNSON MORGAN CO GW Well 05120201 Not Reported Not Reported Sand and gravel aquifers (gla Pleistocene Series 19790815 ft ft	Organization Name: V STUDY MOR-56 24 FT Description: Drainage Area: Contrib Drainage Area: ciated regions) Aquifer Type: Well Depth: Well Hole Depth:	USG UPD Not F Not F Uncc 26 85	S Indiana Water Science Center ATE 5/93 DAC DAIMAN STEWART Reported Reported onfined single aquifer

	Level reading date:	1979-(78-15
14.83	Feet to sea level:	Not Re	eported
Not Reported			
	I	IN WELLS	INLIT3000101000
101004 600 50 1975-07-05 00:00:00 IDNR	Agency ID: Lithologic Total Depth: Static Water Level: Driller: Bedrock Depth:	26975 50 8 Indian 10	4 apolis Pump & Equipment Co
		IN WELLS	INDNR5000034406
269754 18 0 8 JOHN WOLFF Not Reported 2 31 0 0 0 0 0 05-JUL-75 Not Reported	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft): Screen Diameter (in): Ground Elevation:	0 570 0 20 4 Not Re 0 : 0 0 600	eported eported
	Not Reported 101004 600 50 1975-07-05 00:00:00 IDNR 269754 18 0 8 JOHN WOLFF Not Reported 2 31 0 0 0 0 0 0 0 0 0 0 0 0 0	Not Reported 101004 Agency ID: 600 Lithologic Total Depth: 50 Static Water Level: 1975-07-05 00:00:00 Driller: IDNR Bedrock Depth: 269754 Aquifer Elevation (ft): 18 Depth to Bedrock (ft): 0 Screen Length (ft): 8 Well Depth (ft): JOHN WOLFF PLSS Survey Reserve #: Not Reported Drawdown after Bailer: 2 Casing Diameter: 31 Casing Material: 0 Grout Method: 0 Liner Length (ft): 0 Screen Diameter (in): 05-JUL-75 Ground Elevation: Not Reported Screen Diameter (in):	Not Reported IN WELLS 101004 Agency ID: 26975 600 Lithologic Total Depth: 50 50 Static Water Level: 8 1975-07-05 00:00:00 Driller: Indian IDNR Bedrock Depth: 10 IN WELLS 269754 18 Depth to Bedrock (ft): 570 0 Screen Length (ft): 0 8 Well Depth (ft): 50 JOHN WOLFF PLSS Survey Reserve #: 0 Not Reported Drawdown after Bailer: 20 2 Casing Diameter: 4 31 Casing Material: Not Re 0 Grout Method: Not Re 0 Casing Diameter: 4 0 Casing Material: Not Re 0 Screen Diameter (in): 0

G21 SSW 1/2 - 1 Mile Higher

Well Reference #:	209574	Aquifer Elevation (ft):	0
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	565
Pump Water Prod (gal/min):	0	Screen Length (ft):	0
Static Water Level:	45	Well Depth (ft):	77
Owner:	ROBERT NEW	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	5.625
Casing Length:	53.9	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Liner Length (ft):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	30-DEC-99	Ground Elevation:	615
Pump Type:	Not Reported		
URL:	https://secure.in.gov/apps/dnr/water/d	nr_waterwell?refNo=209574&_from	n=SUMMARY&_action=Details

IN WELLS

INDNR5000034327

Map ID Direction				
Distance Elevation			Database	EDR ID Number
G22 SSW 1/2 - 1 Mile Higher			N WELLS	INLIT3000084866
iLITH ID: Elevation (ft):	84870 615	Agency ID: Lithologic Total Depth:	2095 77	74
Drilled Depth:	77	Static Water Level:	45	
Completion Date:	Not Reported	Driller:	Amos	s Drilling
Record Source:	IDNR	Bedrock Depth:	50	
H23 ENE 1/2 - 1 Mile Higher			N WELLS	INDNR5000034389
Well Reference #:	396545	Aquifer Elevation (ft):	534	
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	0	
Pump Water Prod (gal/min):	50	Screen Length (ft):	2	
Static Water Level:	15	Well Depth (ft):	68	
Owner:	Not Reported	PLSS Survey Reserve #:	0	
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0	
Hours Bailer Tested:	0	Casing Diameter:	5	
Casing Length:	66	Casing Material:	PVC	
Depth to Grout:	39	Grout Method:	BEN	TONITE
Liner Diameter (in):	0	Liner Length (ft):	0	
Depth of Pump Setting	0	Pump Test Drawdown (ft)	· 0	
Hours Tested	2	Screen Diameter (in):	. 0	
Date Completed:	13-111N-06	Ground Elevation:	602	
Pump Type:	Not Reported	Cround Elevation.	002	
URL:	https://secure.in.gov/apps	/dnr/water/dnr_waterwell?refNo=39654	5&_from=SUN	/MARY&_action=Details
H24 ENE 1/2 - 1 Mile		I	N WELLS	INDNR5000034386
Higher				
Well Reference #:	396549	Aquifer Elevation (ft):	518	
Bailer Water Prod (gal/min):	0	Depth to Bedrock (ft):	0	
Pump Water Prod (gal/min):	50	Screen Length (ft):	2	
Static Water Level:	30	Well Depth (ft):	84	
Owner:	Not Reported	PLSS Survey Reserve #:	0	
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0	
Hours Bailer Tested:	0	Casing Diameter:	5	
Casing Length:	82	Casing Material:	PVC	
Depth to Grout:	27	Grout Method:	BEN	TONITE
Liner Diameter (in):	0	Liner Length (ft):	0	
Depth of Pump Setting:	0	Pump Test Drawdown (ft)	. 0	
Hours Tested:	2	Screen Diameter (in):	5	
Date Completed:	13-JUN-06	Ground Elevation:	602	
Pump Type:	Not Reported			
URL:	https://secure.in.gov/apps	/dnr/water/dnr_waterwell?refNo=39654	9&_from=SUN	MARY&_action=Details

https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=396549&_from=SUMMARY&_action=Details

Map ID Direction Distance Elevation			Database	EDR ID Number
H25 ENE 1/2 - 1 Mile Higher			IN WELLS	INDNR5000034388
Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed: Pump Type: URL:	392098 0 45 25 Not Reported Not Reported 0 64 54 0 40 1 11-JUL-05 Not Reported https://secure.in.gov/apps/c	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft) Screen Diameter (in): Ground Elevation:	533 0 2 66 0 5 PVC BENT 0 0 5 599 08&_from=SUM	⁻ ONITE 1MARY&_action=Details
G26 SSW 1/2 - 1 Mile Higher			IN WELLS	INDNR5000034324
Well Reference #: Bailer Water Prod (gal/min): Pump Water Prod (gal/min): Static Water Level: Owner: PLSS Reserve Name: Hours Bailer Tested: Casing Length: Depth to Grout: Liner Diameter (in): Depth of Pump Setting: Hours Tested: Date Completed:	403020 0 50 45 ANN JACKSON Not Reported 0 58 58 58 0 0 1 25-JUL-06	Aquifer Elevation (ft): Depth to Bedrock (ft): Screen Length (ft): Well Depth (ft): PLSS Survey Reserve #: Drawdown after Bailer: Casing Diameter: Casing Material: Grout Method: Liner Length (ft): Pump Test Drawdown (ft) Screen Diameter (in): Ground Elevation:	0 577 0 97 0 5 PVC BENT 0 0 0 630	ONITE

Date Completed: Pump Type: URL:

Not Reported

https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=403020&_from=SUMMARY&_action=Details

GEOCHECK[®] - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

Zipcode	Year	Test Type	Location	Result
46151	1994	Short Term	Other	1.8
46151	1994	Short Term	Other	4.0
46151	1994	Short Term	Other	4.0
46151	1994	Short Term	Other	1.9
46151	1994	Short Term	Other	1.6
46151	1994	Short Term	Other	3.5
46151	1994	Short Term	Other	3.5
46151	1994	Short Term	Other	3.2
46151	1994	Short Term	Other	3.5
46151	1996	Short Term	Other	0.8
46151	1996	Short Term	Other	2.1
46151	0	Unknown	Other	3.9
46151	0	Unknown	Other	9.0
46151	1997	Short Term	1st Floor	2.3
46151	1998	Long Term	1st Floor	0.7
46151	1998	Long Term	Basement	3.5
46151	2000	Short Term	Other	10.4
46151	1997	Post-Mitigation	Basement	0.8
46151	1994	Short Term	Other	0.4
46151	1997	Short Term	Basement	4.1
46151	2000	Short Term	Other	0.8
46151	2000	Short Term	Other	4.3
46151	2001	Unknown	Basement	4.3
46151	1997	Short Term	Other	2.4
46151	1997	Short Term	Other	4.0
46151	1997	Short Term	Basement	2.1
46151	2000	Short Term	1st Floor	1.9
46151	2000	Short Term	1st Floor	1.9
46151	2000	Short Term	1st Floor	1.9
46151	2000	Short Term	1st Floor	5.4
46151	2000	Short Term	1st Floor	5.4
46151	2000	Short Term	1st Floor	5.8
46151	1996	Short Term	Other	1.0
46151	1996	Post-Mitigation	Other	1.8
46151	2000	Post-Mitigation	1st Floor	0.2
46151	2000	Unknown	Basement	6.0
46151	2000	Unknown	Basement	6.1
46151	2000	Unknown	1st Floor	5.7
46151	2000	Unknown	1st Floor	5.7
46151	2000	Unknown	1st Floor	0.2
46151	2000	Short Term	Basement	4.9
46151	2003	Short Term	1st Floor	0.6
46151	2003	Short Term	1st Floor	0.6
46151	2004	Short Term	Basement	10.3
46151	2004	Post-Mitigation	Basement	0.8
46151	2004	Short Term	Basement	2.2
46151				

GEOCHECK[®] - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2004	Short Term	Basement	6.8
46151	2004	Short Term	Basement	1.5
46151	2004	Short Term	Basement	7.6
46151	2004	Short Term	Basement	3.1
46151	2004	Short Term	Basement	2.1
46151	2004	Short Term	1st Floor	1.0
46151	2003	Short Term	Basement	2.9
46151	2003	Short Term	1st Floor	3.9
46151	2003	Short Term	Basement	2.8
46151	2004	Short Term	Basement	3.5
46151	2004	Short Term	Basement	3.9
46151	2003	Short Term	Basement	3.0
46151	2003	Short Term	1st Floor	1.8
46151	2003	Short Term	1st Floor	1.8
46151	2001	Short Term	Basement	3.1
46151	2001	Short Term	Basement	2.6
46151	2001	Short Term	Basement	2.8
46151	2001	Post-Mitigation	Basement	1.5
46151	2001	Post-Mitigation	Basement	1.4
46151	2000	Short Term	1st Floor	3.0
46151	2000	Post-Mitigation	1st Floor	1.0
46151	2001	Short Term	Basement	5.3
46151	2002	Short Term	1st Floor	3.2
46151	2000	Short Term	Basement	4.6
46151	2000	Short Term	Basement	6.3
46151	2000	Long Term	1st Floor	0.6
46151	2000	Long Term	Basement	0.0
46151	2002	Short Term	1st Floor	1.6
46151	2002	Short Term	Basement	6.5
46151	2002	Short Term	1st Floor	0.9
46151	2002	Short Term	Basement	3.5
46151	2002	Short Term	1st Floor	3.8
46151	1999	Long Term	Other	3.0
46151	2000	Long Term	Basement	1.1
46151	1995	Unknown	Other	1.8
46151	2004	Short Term	1st Floor	2.9
46151	2001	Short Term	1st Floor	1.4
46151	1994	Post-Mitigation	Other	0.4
46151	1999	Post-Mitigation	Basement	0.6
46151	2001	Post-Mitigation	Basement	2.5
46151	2000	Post-Mitigation	Basement	0.8
46151	1994	Short Term	Other	1.7
46151	1996	Short Term	Other	2.1
46151	1995	Unknown	Other	3.7
46151	1994	Short Term	Other	2.0
46151	1994	Short Term	Other	1.6
46151	1994	Short Term	Other	3.6
46151	0	Short Term	Other	2.4
46151	0	Short Term	Basement	4.8
46151	2000	Short Term	1st Floor	1.9
46151	2000	Short Term	1st Floor	5.8
46151	2004	Short Term	Basement	1.2
46151	2004	Short Term	Basement	8.7
46151	2003	Short Term	1st Floor	1.1
46151	2003	Short Term	Basement	3.0
46151	2001	Short Term	Basement	8.9
46151				

GEOCHECK[®] - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2002	Short Term	1st Floor	3.8		
Federal EPA Radon Zone for MORGAN County: 2						
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 Zip Code: 46151						
Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L		
Living Area - 1st Floor Living Area - 2nd Floor Basement	1.650 pCi/L Not Reported 7.300 pCi/L	100% Not Reported 0%	0% Not Reported 100%	0% Not Reported 0%		

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.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

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 Service (NRCS) 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 Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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

Public Water Supply Wells Source: Department of Environmental Management Telephone: 317-308-3323 Community and non-community drinking water wells.

Observation Wells Database Source: Indiana Geological Survey Telephone: 812-855-7636 Water Wells for Monitoring Ground Water in Indiana

Public Water Supply Wells Source: Department of Environmental Management Telephone: 317-308-3323 Community and non-community drinking water wells.

Water Wells Database
Source: Indiana Geological Survey
Telephone: 812-855-76
Shows data points that represent water wells contained in the Lithologic database, which is derived from the water well database of the Indiana Department of Natural Resources.

OTHER STATE DATABASE INFORMATION

RADON

State Database: IN Radon Source: Department of Health Telephone: 317-233-7148 Radon Test Results

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix IV

EDR Aerial Photographs

Growing Green

Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.8 July 27, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com
EDR Aerial Photo Decade Package

Site Name:

Client Name:

07/27/20

Growing Green Growing Green Martinsville, IN 46151 EDR Inquiry # 6133356.8 Alpine Environmental 1715 West Foxcliff Drive South Martinsville, IN 46151 Contact: Rob Downey



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.

Search Results:				
<u>Year</u>	<u>Scale</u>	Details	Source	
2016	1"=500'	Flight Year: 2016	USDA/NAIP	
2012	1"=500'	Flight Year: 2012	USDA/NAIP	
2008	1"=500'	Flight Year: 2008	USDA/NAIP	
2005	1"=500'	Flight Year: 2005	USDA/NAIP	
1998	1"=500'	Acquisition Date: April 05, 1998	USGS/DOQQ	
1992	1"=750'	Flight Date: March 16, 1992	USGS	
1988	1"=750'	Flight Date: May 26, 1988	USGS	
1986	1"=500'	Flight Date: March 22, 1986	NHAP	
1977	1"=500'	Flight Date: May 09, 1977	USGS	
1964	1"=500'	Flight Date: March 21, 1964	USGS	
1954	1"=500'	Flight Date: April 01, 1954	USGS	
1946	1"=500'	Flight Date: October 27, 1946	USGS	

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Growing Green

Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.5 July 28, 2020

The EDR-City Directory Image Report



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	<u>Cross Street</u>	<u>Source</u>
2017		\checkmark	EDR Digital Archive
2014		\checkmark	EDR Digital Archive
2010		\checkmark	EDR Digital Archive
2005		\checkmark	EDR Digital Archive
2000		\square	EDR Digital Archive
1995		\checkmark	EDR Digital Archive
1992		\square	EDR Digital Archive
1986			Robinson's City Directory
1976			Robinson's City Directory
1969			Robinson's City Directory
1964			Robinson's City Directory
1959			Robinson's City Directory

FINDINGS

TARGET PROPERTY STREET

Growing Green Martinsville, IN 46151

No Addresses Found

FINDINGS

CROSS STREETS

<u>CD Image</u>

<u>Year</u>

GODSEY RD			
2017	pg. A1	EDR Digital Archive	
2014	pg. A3	EDR Digital Archive	
2010	pg. A5	EDR Digital Archive	
2005	pg. A7	EDR Digital Archive	
2000	pg. A9	EDR Digital Archive	
1995	pg. A11	EDR Digital Archive	
1992	pg. A13	EDR Digital Archive	
1986	-	Robinson's City Directory	Street
1976	-	Robinson's City Directory	Street
1969	-	Robinson's City Directory	Street
1964	-	Robinson's City Directory	Street
1959	-	Robinson's City Directory	Street

<u>Source</u>

TURKEY TRACK RD

2017	pg. A2	EDR Digital Archive
2014	pg. A4	EDR Digital Archive
2010	pg. A6	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A10	EDR Digital Archive
1995	pg. A12	EDR Digital Archive
1992	pg. A14	EDR Digital Archive
1986	-	Robinson's City Directory
1976	-	Robinson's City Directory
1969	-	Robinson's City Directory
1964	-	Robinson's City Directory
1959	-	Robinson's City Directory

Street not listed in Source Street not listed in Source

Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source **City Directory Images**

-

3310	FLEENER, SCOTT
3405	YORK, THOMAS B
3475	MAXWELL, MICHAEL K
3515	SANDERS, ROBERT D
3520	WILSON, ROGER D
3601	LEITZMAN, ROBERTA L
3650	SKAGGS, DANIEL F
3700	HATTON, BILLIE
3701	CURTIS, RICHARD L
3916	HERMANN, SUSAN D
3919	BLAKE, ANTHONY F
3939	BOLIN, JOHN E
3949	BOLIN, JOHN E
3956	DRZEWIECKI, JENNIFER L
3966	GRIFFIN, JERRY R
4106	PERRY, MATTHEW C
4109	JOHNSON, LUKE
4150	LUCAS, ORAN L
4220	MONAHAN, MICHAEL V
4280	BARKER, JOSEPH B
4284	SCHNAITER, BRAD J
4290	FRANKE, DAVID K
4305	SCHNAITER, JOSEPH C
4320	BUSH, JOHN A
4460	JOHNSON, GREGORY N
4480	BREEDEN, MICHAEL J
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL D
4491	KNOY, BRYAN D
4550	BAUGH, ANDY
4710	SURBER, GORDON P
4805	BREEDLOVE, CHARLES I
4880	PRINCE, STEPHEN K
4885	RICHARDSON, JOHN R
5265	FLEENER, ERVIN L

-

Source EDR Digital Archive

4380	THOMAS, DAVID B
4485	MOORE, MIKE C
4520	WHITAKER, TODD A
4590	OGDEN, RICK L
4595	MCNICKLE, GARY L
4715	WHITEHAIR, BECKI
4721	WHITEHAIR, RICHARD D
4724	ABLE, KEVIN
4755	DERADO, CODY
4845	YOUNT, ROBERT D
4850	VANDAGRIFFT, TODD K
4890	TOLAN, BRENDA L
5050	ZIONS HILL BAPTIST CHURCH
5055	SHROUT, LYLE P
5085	DECKARD, CLARENCE
5105	DAVIS, MICHELE L
5155	HAGGARD, BRIAN A
5185	BARNES, ALFRED B
5210	HAGGARD, SHIRLEY J
5240	HYDE, KAMI S
5265	BALES, SAM C
5315	HAINES, KENNETH
5405	HARRIS, CHARLES N
5440	SCOTT, TRACY A
5470	ETCHISON, IRVIN
5495	THACKEE, MELOPY L
5515	BIGLER, MICHAEL B
5525	STURGEON, DENNIS
5526	PARIS, NICOLE M
5535	SCHUBERT, DALE E
5590	JACKSONS WELL DRILLING
	NEAL, JACK D
5600	FREEMAN, PHILIP J
5604	HUNT, ERIC M
5605	NEAL, WILMA P
5792	FOLEY, MATTHEW J
5798	BAKER, DALE R
5890	WELCH, ASHLI
5894	PAULEY, WILLIAM G
5896	PAULEY, STEVEN L

-

3310	SMITH, MARK D
3405	YORK, THOMAS B
3475	MAXWELL, MICHAEL K
3495	MCDANIEL, JAMES
3515	SANDERS, ROBERT D
3520	WILSON, ROGER D
3601	LEITZMAN, ROBERTA L
3650	SKAGGS, DANIEL F
3655	SURBER, GORDON P
3700	WHITNEY, LAURIE
3701	OCCUPANT UNKNOWN,
3703	WILLIAMSON, JOSHUA A
3710	OCCUPANT UNKNOWN,
3916	OCCUPANT UNKNOWN,
3919	BLAKE, ANTHONY F
3939	BOLIN, JOHN E
3949	BOLIN, JOHN E
3956	SURBER, AARON K
3966	GRIFFIN, JERRY R
4106	PERRY, MATTHEW C
4109	OCCUPANT UNKNOWN,
4150	LUCAS, ORAN L
4220	MONAHAN, MICHAEL V
4280	BARKER, JOSEPH B
4284	SCHNAITER, BRAD J
4290	PFOST, PAUL J
4305	SCHNAITER, JOSEPH C
4320	BUSH, JOHN A
4460	OCCUPANT UNKNOWN,
4480	NEHUS, NANCY L
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL D
4489	BOWMAN, JESSICA S
4491	KNOY, BRYAN D
4493	KNOY, ERIC T
4495	OCCUPANT UNKNOWN,
4499	HILL, CHARLES J
4550	BAUGH, ROBERT A
4710	SURBER, GORDON P
4805	BREEDLOVE, CHARLES I
4880	OCCUPANT UNKNOWN,
4885	JOHN, RICHARDSON R
5265	FLEENER, FREDERICK L

-

Cross Street ✓ Source EDR Digital Archive

4062	HIATT, KENNETH T
4112	MALAK, FRANK D
4380	THOMAS, DAVID B
4460	GOODNIGHT, DALE R
4485	PRICE, MARY L
4520	WHITAKER, TODD A
4560	TARRY, THOMAS H
4590	HULL, DORIS L
4595	MCNICKLE, GARY L
4715	WHITEHAIR, BECKI
4721	WHITEHAIR, RICHARD D
4724	ABLE, KEVIN
4795	CRAMER, SAM
4845	YOUNT, ROBERT D
4850	VANDAGRIFFT, TODD K
5050	ZIONS HILL BAPTIST CHURCH
5055	BROWN, WES
5080	BENNETT, SID D
5085	STOUT, GARY L
5105	ENNIS, ERIKA R
5155	SUTER, AMY D
5180	WILSON, SANDY
5185	BARNES, ALFRED B
5210	HAGGARD, SHIRLEY J
5240	HYDE, KAMI S
5265	BALES, RICHARD L
5315	HAINES, KENNETH
5405	HARRIS, CHARLES N
5440	SCOTT, TRACY A
5470	ETCHISON, IRVIN
5495	THACKEE, MELOPY L
5510	BALES, THERESA M
5515	BIGLER, MICHAEL B
5525	STURGEON, DENNIS
5526	PARIS, NICOLE M
5535	SCHUBERT, DALE E
5590	JACKSONS WELL DRILLING
	NEAL JACK
	NEAL, JACK D
5600	FREEMAN, PHILIP J
5604	HUNT, ERIC M
5605	NEAL, WILMA P
5610	OCCUPANT UNKNOWN,
5792	OCCUPANT UNKNOWN,
5798	BAKER, DALE R
5880	OCCUPANT UNKNOWN,
5890	WELCH, ASHLI
5892	OCCUPANT UNKNOWN,
5894	PAULEY, WILLIAM G
5896	PAULEY, STEVEN L

-

Source EDR Digital Archive

2932	SHOT MAKERS GOLF COMPLEX
3310	SHAFER, VALERIE R
3405	YORK, THOMAS B
3475	MAXWELL, MICHAEL K
3495	MCDANIEL, JAMES
3515	SANDERS, ROBERT D
3520	OCCUPANT UNKNOWN,
3601	LEITZMAN, ROBERTA L
3650	SKAGGS, DANIEL F
3655	SURBER, GORDON P
3700	ADAMS, JEREMY C
3701	OTTOSON, ROSEMARY
3703	EASTRIDGE, PRISCILLA D
3710	OCCUPANT UNKNOWN,
3916	LIPP, BRETT D
3919	BLAKE, ANTHONY F
3946	DEAN, STEPHEN R
3949	BOLIN, JOHN E
3956	DRZEWIECKI, JENNIFER L
3966	GRIFFIN, JERRY R
4109	WOLFF, JACK L
4150	LUCAS, ORAN L
4220	MONAHAN, MICHAEL V
4280	BARKER, CYNTHIA J
4284	SCHNAITER, BRAD J
4290	BRUMMETT, TERRY L
4305	SCHNAITER, JOSEPH C
4320	MEEKS, ROBERT B
4460	JOHNSON, GREGORY N
4480	C & L WELL DRILLING & PUMP SVC
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL A
4489	HILL, CHARLES J
4495	OCCUPANT UNKNOWN,
4499	OCCUPANT UNKNOWN,
4550	
1005	
4805	
4880	
4885	OCCUPANT UNKNOWN,
5265	OCCUPANT UNKNOWN,

-

4062	HIATT, KENNETH T
4112	MALAK, DAVE L
4380	THOMAS, DAVID B
4460	GOODNIGHT, DALE R
4485	OCCUPANT UNKNOWN,
4520	BAKER, NORMAN J
4560	TARRY, THOMAS H
4590	OGDEN, RICK L
4595	WILLARD, SAMUEL S
4715	OCCUPANT UNKNOWN,
4724	ABLE, KEVIN
4795	CRAMER, RHONDA S
4845	OCCUPANT UNKNOWN,
4850	GRIMMETT, JOE O
4890	LYON, GREG L
5050	ZIONS HILL BAPTIST CHURCH
5055	BROWN, BARTON W
5080	BENNETT, SID D
5085	STOUT. GARY L
5105	BALES, JOSEPH
5155	HAGGARD, BRIAN A
5185	DECKARD, ROSEMARY J
5210	HAGGARD, SHIRLEY J
5240	OCCUPANT UNKNOWN,
5265	BALES, RICHARD L
5315	THOMPSON, BRANDON M
5440	SCOTT, TRACY A
5460	WEAVER, HAZEL L
5470	ETCHISON, IRVIN
5495	OCCUPANT UNKNOWN,
5510	BALES, MAURI D
5515	BIGLER, MICHAEL B
5525	STURGEON, DENNIS P
5526	BALES, MICHAEL E
5535	SCHUBERT, DALE E
5590	JACKSONS WELL DRILLING
	NEAL, JACK D
5600	FREEMAN, PHILIP J
5604	HUNT, ERIC M
5605	NEAL, WILMA P
5798	ACUFF, ALAN L
5880	OCCUPANT UNKNOWN,
5890	DICKERSON, MELISSA
5892	MASON, TIFFANY N
5894	PAULEY, WILLIAM G
5896	PAULEY, STEVEN L

-

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3310	SCHAFFER, DANIEL
3405	OCCUPANT UNKNOWN,
3420	TRIMBLE, NATHAN
3475	MAXWELL, MICHAEL K
3515	LANIER, TAMMY
3520	WILSON, ROGER D
3601	LEITZMAN, ROBERT D
3650	SKAGGS, DANIEL F
3700	NICOLA, MARK
3701	CRAIG, MARTIN
3703	OCCUPANT UNKNOWN,
3710	ONEAL, JODY S
3916	CHRISTIE, AMBER
3919	BLAKE, CHRISTY A
3946	DEAN, STEPHEN R
3949	BOLIN, JOHN E
3956	DECKER, DARREL C
3966	GRIFFIN, JERRY R
3976	BANTA, LINDA J
	FERRIS, DAVID B
4106	L S I HOMES
	SZIGETHY, LES J
4109	WOLFF, JACK L
4150	LUCAS, ORAN L
4220	MONAHAN, MICHAEL V
4280	BARKER, CYNTHIA J
4284	SCHNAITER, BRAD J
4290	BRUMMETT, TERRY L
4305	SCHNAITER, JOSEPH C
4320	MEEKS, ROBERT B
4480	NEHUS, CLIFFORD I
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL F
4489	OCCUPANT UNKNOWN,
4495	OCCUPANT UNKNOWN,
4499	HILL, CHARLES J
4550	BAUGH, ROBERT N
4805	BREEDLOVE, CHARLES I
4880	DOBBS, CRYSTAL
4885	
5265	FLEENER, CONNIE L

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Cross Street ✓ Source EDR Digital Archive

4380	THOMAS, DAVID B
4460	GOODNIGHT, DALE R
4485	CRAIG, JACK
4520	BAKER, HELEN
4560	TARRY, THOMAS H
4590	OGDEN, MIKOLE J
4715	YOUNT, JACKIE D
4755	LOWER, JOSEPH N
4795	OCCUPANT UNKNOWN,
4845	YOUNT, ROBERT D
4850	GRIMMETT, JOE O
4890	LYON, GREG L
5050	ZIONS HILL BAPTIST CHURCH
5055	DILBONE, JASON D
5060	HIATT, KENNETH T
5070	MALAK, LYNN M
5080	BENNETT, SID
5085	STOUT, GARY L
5105	BALES, JASON E
5155	HAGGARD, BRIAN A
5185	PARKER, LEONARD E
5210	HAGGARD, SHIRLEY J
5240	OCCUPANT UNKNOWN,
5265	OCCUPANT UNKNOWN,
5315	BALES, JOHN
5440	SCOTT, TRACY A
5460	WEAVER, HAZEL L
5470	ETCHISON, IRVIN
5495	OCCUPANT UNKNOWN,
5510	WILLIAMS, ROBIN B
5515	BIGLER, MICHAEL B
5525	STAPLES, ALVENA R
5526	BALES, MICHAEL E
5535	SCHUBERT, KRISTI A
5590	JACKSONS WELL DRILLING
	NEAL, JACK D
5600	FREEMAN, PHILIP J
5604	HUNT, ERIC M
5605	NEAL, WILMA P
5880	OCCUPANT UNKNOWN,
5890	HALL, JASON D
5892	KELLEY, TONY
5894	OCCUPANT UNKNOWN,
5896	PAULEY, STEVEN L

-

3310	MARTIN, KEITH
3405	MARTIN GARY E & SONS
	MARTIN, GARY E
3420	CHARLES, DONALD B
3475	MAXWELL, MICHAEL
3515	MCDANIEL, JOHN D
3700	PRINCE, MIKE
3701	STERLING, BRIAN
3703	LINDSEY, MARIA
3710	OCCUPANT UNKNOWN,
3915	DEAN, SUSAN K
3920	BLAKE, ANTHONY
3940	BOLIN, JOHN E
3946	DEAN, STEPHEN R
3950	BOLIN, JOHN E
3955	EDMONDS, SHEILA A
3965	GRIFFIN, JERRY
3975	OCCUPANT UNKNOWN,
4105	L S I HOMES
	SZIGETHY, LES
4110	WOLFF, JACK L
4220	MONAHAN, MICHAEL V
4280	BARKER, CYNTHIA J
4284	SCHNAITER, BRAD
4290	BRUMMETT, TERRY
4305	SCHNAITER, JOSEPH C
4320	OCCUPANT UNKNOWN,
4460	OCCUPANT UNKNOWN,
4480	NEHUS, LINDA
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL
4489	HILL, CHARLES
4495	REYNOLDS, JEFFREY
4499	HILL, CHARLES B
4550	BAUGH, ROBERT N
4710	HODGES, JEAN E
4805	BREEDLOVE, CHARLES I
	HAYDEN, JOHN
4880	DOBBS, CRYSTAL
4885	BENZINGER, DAVID A
5265	FLEENER, PHYLLIS

-

Cross Street ✓ Source EDR Digital Archive

4380	THOMAS, DAVID
4460	GOODNIGHT, DALE R
4485	CRAIG, JACK
4560	RICHARDSON, LARRY W
4595	HARSHEY, DALE
4715	YOUNT, JACKIE D
4845	YOUNT, ROBERT
4850	GRIMMETT, JOE O
4890	LYON, GREG
5050	YOUNT, G
5060	HIATT, KENNETH T
5070	MALAK, DAVE
5080	HARVEY, B S
5085	STOUT, GARY
5105	BALES, JASON E
5155	KELLER, CHARLES W
5180	OCCUPANT UNKNOWN,
5185	HYATT, MICHAEL J
5210	HAGGARD, SHIRLEY J
5265	BALES, RICHARD L
5315	BALES, WILLIAM
5405	HARRIS, LILLIE L
5440	SCOTT, TRACY
5460	WEAVER, HAZEL
5470	ETCHISON, IRVIN
5495	WEAVER, MELODY L
5510	NEAL, JERRY
5515	BIGLER, MICHAEL B
5525	STURGEON, DENNIS
5535	SCHUBERT, KRISTI
5590	JACKSONS WELL DRILLING
	NEAL JACK
	NEAL, JACK
5600	FREEMAN, PHILIP
5604	HUNT, ERIC
5605	NEAL, WILMA P
5610	JACKSON, ROY
5880	SCOTT, C C
5890	DELL, CRYSTAL D
5894	OCCUPANT UNKNOWN,
5896	PAULEY, STEVEN

-

Source EDR Digital Archive

3310	MARTIN, KEITH
3405	GARY E MARTIN & SONS
	MARTIN, GARY E
3420	BOLIN, JOHN L
3475	MAXWELL, MICHAEL
3515	MCDANIEL, JOHN D
3601	LITSEY, C
3700	PRINCE, MIKE
3710	OCCUPANT UNKNOWNN
3915	STRINGER, DEWAYNE
3920	BLAKE, ANTHONY
3940	BOLIN, JOHN E
3950	BOLIN, JOHN E
3955	BOLIN, BETTY O
3965	GRIFFIN, JERRY
3975	HAMILTON, TYLER
	HART, SHAWN
4105	LSI HOMES
	SZIGETHY, LES
4110	WOLFF, JACK L
4220	MONAHAN, MICHAEL V
4280	DOW, WILLIAM
4284	GILBREATH, ROBERT
4290	BRUMMETT, TERRY
4305	SCHNAITER, JOSEPH C
4320	DOWD, ANTHONY M
	SWAN, MICHAEL
4480	PULLEN, CHRIS D
4485	KNOY, DAVID K
4487	BAUGH, MICHAEL
4489	OCCUPANT UNKNOWNN
4495	HILL, CHARLES
	REYNOLDS, JEFFERY
4499	OCCUPANT UNKNOWNN
4550	BAUGH, ROBERT N
4710	HODGES, ROBERT C
4805	BREEDLOVE, CHARLES I
4885	HOPKINS, DAVID
5265	FLEENER, PHYLLIS

-

Cross Street ✓ Source EDR Digital Archive

4380	THOMAS, DAVID
4460	GOODNIGHT, DALE R
4485	CRAIG, JACK
4560	RICHARDSON, LARRY W
4595	HARSHEY, DALE
4715	YOUNT, JACKIE D
4755	MILLER, WANDEL O
4795	BROWN, RUTH A
4805	OCCUPANT UNKNOWNN
4845	YOUNT, ROBERT
4890	HACKER, DEAN A
5050	YOUNT, G
5065	CARTER, KELLY
5070	MALAK, DAVE
5080	BENNETT SID D RLS
	OCCUPANT UNKNOWNN
5085	STOUT, GARY
5105	BALES, JASON E
5155	WILSON, SANDY
5185	HAGGARD, SHIRLEY J
5210	CALLIS, DWIGHT
5265	BALES, RICHARD L
5315	OCCUPANT UNKNOWNN
5405	HARRIS, CHARLES
5460	WEAVER, HAZEL
5470	ETCHISON, IRVIN
5495	WEAVER, JOHNNIE F
5510	NEAL, JERRY
5515	POWELL, FRANK L
5525	YOUNG, ESTHER L
5535	SCHUBERT, K
5590	OCCUPANT UNKNOWNN
5600	OCCUPANT UNKNOWNN
5604	HUNT, ERIC
5605	NEAL, WILMA P
5610	JACKSON, ROY
5880	ROLLIS, R
5890	MESSAL, ERIK
5892	OCCUPANT UNKNOWNN
5894	PAULEY, WILLIAM G
5896	VINCENT, LORI

-

3310	MARTIN, K
3405	MARTIN GARY E
	MARTIN, GARY E
3420	HESS, ERIC
3475	MARTIN, KURT
3515	MCDANIEL, JOHN D
3940	BOLIN, JOHN E
3950	BOLIN, JOHN E
3955	BOLIN, BETTY O
3965	DEAN, GARY
4110	HARMON, JERRY
4290	BRUMMETT, TERRY
4305	SCHNAITER, JOSEPH C
4480	PULLEN, CHRIS D
4495	HILL, CHARLES
	WOODS, BLOUNT
4710	HODGES, ROBERT C
4805	BREEDLOVE, CHARLES I
4885	HOPKINS, DAVID

-

Cross Street ✓ Source EDR Digital Archive

4380	THOMAS, DAVID
4560	RICHARDSON, LARRY W
4595	HARSHEY, DALE
4715	YOUNT, JACKIE D
4755	MILLER, WANDEL O
4805	DORSETT, MAMIE L
4845	YOUNT, ROBERT
4890	HACKER, DEAN A
5050	YOUNT, G
5065	CARTER, KELLY
5070	STANGER, KIP A
5080	BENNETT, SID D
	SOUTH CNTRL SURVYNG
5085	STOUT, GARY
5105	BOWERS, DANE
5185	HAGGARD, SHIRLEY J
5210	CALLIS, DWIGHT
5265	BALES, RICHARD L
5315	BALES, JOHN
5405	HARRIS, CHARLES
5460	WEAVER, HAZEL
5470	ETCHISON, IRVIN
5495	WEAVER, JOHNNIE F
5510	NEAL, JERRY
5515	POWELL, FRANK L
5525	JACKSON, EDITH M
5590	NEAL, JACKSON D
5600	FREEMAN, PHILIP
5604	HUNT, ERIC
5605	NEAL, W P
5610	JACKSON, ROY
5880	RICHARDS, STEVEN
5892	MOON, RONNIE

Growing Green

Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.10s July 24, 2020

EDR NEPASearch™ Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
EDR NEPASearch Description	1
Map Findings Summary	2
Natural Areas	. 3
Historic Sites	14
Flood Plain	18
Wetlands	20
Wetlands Classification System	26
FCC & FAA Sites	30
Key Contacts and Government Records Searched	34

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EDR NEPASearch DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPASearch Map Report provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

TARGET PROPERTY ADDRESS

GROWING GREEN GROWING GREEN MARTINSVILLE, IN 46151 Inquiry #: 6133356.10s Date: 7/24/20

TARGET PROPERTY COORDINATES

UTM Y (Meters): 4358092.0	(Meters):	4358092.0
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The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section Natural Areas Map • Federal Lands Data:	Regulation
 Officially designated wilderness areas Officially designated wildlife preserves, sanctuaries and refuges 	47 CFR 1.1307(1) 47 CFR 1.1307(2)
 Wild and scenic rivers Fish and Wildlife Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available) 	40 CFR 6.302(e) 40 CFR 6.302 47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map • National Register of Historic Places • State Historic Places (where available) • Indian Reservations	47 CFR 1.1307(4); 40 CFR 6.302
Flood Plain Map • National Flood Hazard Layer Data (where available) • FEMA Q3 Flood Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302 47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map • National Wetlands Inventory Data (where available) • State Wetlands Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302 47 CFR 1.1307(7); 40 CFR 6.302
 FCC & FAA Map FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient 	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 34 of this report.

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
	US Wilderness Preservation	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
	US ACEC	1.00	NO	NO
	US Scenic River	1.00	NO	NO
	IN DNR Lands	1.00	NO	NO
	US Proclamation Boundaries	1.00	NO	NO
	US NCED	1.00	NO	NO
	US Critical Water Habitat	1.00	NO	NO
	US Critical Land Habitat	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	US Endangered Species	County	YES	N/A
1.1307a (3) Threatened or Endangered Species or Critical Habitat	IN Endangered Species	County	YES	N/A
HISTORIC SITES MAP				
1.1307a (4) Listed or eligible for National Register	IN Historic Structure Sites	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	IN Historic Sites	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	IN Historic Places National Re	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	Potomac Heritage National Scen	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	Natchez Trace National Scenic	1.00	NO	NO
	Indian Reservations	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	US Trails	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
FLOOD PLAIN MAP				
1.1307 (6) Located in a Flood Plain	Special Flood Hazard Area (1%)	1.00	YES	YES
1.1307 (6) Located in a Flood Plain	0.2% Annual Chance Flood Hazar	1.00	YES	YES
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
1.1307 (7) Change in surface features (wetland fill)	STATE	1.00	YES	YES
FCC & FAA SITES MAP				
	Cellular	1.00	NO	NO
		1.00	NU	NU
		1.00	NU	NO
	FIM Antenna	1.00	NU	NO
		1.00	NO	NU
	AIIPORS	1.00	NU	
		1.00	IES	


SITE NAME:	Growing Green	CLIENT:	Alpine Environmental	
ADDRESS:	Growing Green	CONTACT:	Rob Downey	
LAT/LONG:	Martinsville IN 46151 39.373023 / 86.481941	INQUIRY #: DATE:	6133356.10s July 24, 2020	TC6133356.10s Page 3 of 40

Federal Endangered Species from the U.S. Fish and Wildlife for MORGAN County Group:Mammals Common Name: Northern Long-Eared Bat Scientific Name: Myotis septentrionalis Status: Threatened Common Name: Indiana bat Scientific Name: Myotis sodalis Status: Endangered Federal Endangered Species from the U.S. Fish and Wildlife for IN State Group:Amphibians Common Name: Hellbender Scientific Name: Cryptobranchus alleganiensis Status: Under Review Common Name: Streamside salamander Scientific Name: Ambystoma barbouri Status: Under Review Group:Birds Common Name: Migrant loggerhead shrike Scientific Name: Lanius Iudovicianus migrans Status: Species of Concern Common Name: Golden-winged warbler Scientific Name: Vermivora chrysoptera Status: Under Review Common Name: Black tern Scientific Name: Chlidonias niger Status: Species of Concern Common Name: Black Rail Scientific Name: Laterallus jamaicensis Status: Under Review Common Name: Common tern Scientific Name: Sterna hirundo Status: Species of Concern Group:Clams Common Name: [Unnamed] elktoe Scientific Name: Alasmidonta marginata Status: Species of Concern Common Name: Tennessee heelsplitter Scientific Name: Lasmigona holstonia Status: Under Review Common Name: Longsolid Scientific Name: Fusconaia subrotunda Status: Under Review Common Name: Salamander mussel Scientific Name: Simpsonaias ambigua Status: Under Review Common Name: Purple lilliput Scientific Name: Toxolasma lividus Status: Under Review Scientific Name: Obovaria subrotunda Common Name: Round hickorynut Status: Under Review Group:Crustaceans Scientific Name: Orconectes indianensis Common Name: Indiana cravfish Status: Species of Concern

Federal Endangered Species from the U.S. Fish and Wildlife for IN State (Continued...) Group:Fishes

Common Name: Shortnose cisco Status: Species of Concern

Common Name: Tippecanoe darter Status: Under Review

Common Name: Kiyi Status: Species of Concern

Common Name: Greater redhorse Status: Species of Concern

Common Name: Lake sturgeon Status: Species of Concern

Common Name: Stargazing darter Status: Species of Concern

Common Name: Northern cavefish Status: Under Review

Common Name: Eastern sand darter Status: Species of Concern

Common Name: Shortjaw cisco Status: Species of Concern

Group:Flowering Plants

Common Name: Hall's bullrush Status: Under Review

Common Name: Purple false-foxglove Status: Species of Concern

Common Name: Kankakee globe-mallow Status: Species of Concern

Common Name: No common name Status: Species of Concern

Common Name: No common name Status: Species of Concern

Common Name: Rough-seeded fameflower Status: Species of Concern

Common Name: [Unnamed] sumac Status: Species of Concern

Common Name: No common name Status: Species of Concern

Common Name: No common name

Scientific Name: Coregonus reighardi

Scientific Name: Etheostoma tippecanoe

Scientific Name: Coregonus kiyi

Scientific Name: Moxostoma valenciennesi

Scientific Name: Acipenser fulvescens

Scientific Name: Percina uranidea

Scientific Name: Amblyopsis spelaea

Scientific Name: Ammocrypta pellucida

Scientific Name: Coregonus zenithicus

Scientific Name: Schoenoplectus hallii

Scientific Name: Tomanthera skinneriana

Scientific Name: Iliamna remota

Scientific Name: Eleocharis wolfii

Scientific Name: Solidago sphathulata gillmanii

Scientific Name: Talinum rugospermum

Scientific Name: Rhus trilobata arenaria

Scientific Name: Arabis missouriensis deamii

Scientific Name: Cimicifuga rubifolia

ederal Endangered Species from the U.S. Fish and Wildlife for IN State (Continued) Status: Species of Concern				
Common Name: Cleft, phlox Status: Species of Concern	Scientific Name: Phlox bifida stellaria			
Common Name: No common name Status: Species of Concern	Scientific Name: Hypericum adpressum			
Common Name: [Unnamed] beardtongue Status: Species of Concern	Scientific Name: Penstemon deamii			
Common Name: Auriculate false-foxglove Status: Species of Concern	Scientific Name: Agalinis auriculata			
Common Name: [Unnamed] thistle Status: Species of Concern	Scientific Name: Cirsium hillii			
Common Name: [Unnamed] aster Status: Species of Concern	Scientific Name: Eurybia furcata			
Group:Insects				
Common Name: Cobblestone tiger beetle Status: Under Review	Scientific Name: Cicindela marginipennis			
Common Name: Sixbanded long-horned beetle Status: Species of Concern	Scientific Name: Dryobius sexnotatus			
Common Name: [Unnamed] noctuid moth Status: Species of Concern	Scientific Name: Schinia indiana			
Common Name: Regal fritillary Status: Under Review	Scientific Name: Speyeria idalia			
Common Name: Argo ephemerellan mayfly Status: Species of Concern	Scientific Name: Ephemerella argo			
Common Name: Putnam minute moss beetle Status: Species of Concern	Scientific Name: Ochthebius putnamensis			
Common Name: Wabash belted skimmer Status: Species of Concern	Scientific Name: Macromia taeniolata			
Common Name: Annointed sallow noctuid moth Status: Species of Concern	Scientific Name: Pyreferra ceromatica			
Common Name: Douglas stenelmis riffle beetle Status: Species of Concern	Scientific Name: Stenelmis douglasensis			
Common Name: Monarch buttefly Status: Under Review	Scientific Name: Danaus plexippus plexippus			
Common Name: Wallace's deepwater mayfly Status: Species of Concern	Scientific Name: Spinadis simplex			
Common Name: Diana fritillary	Scientific Name: Speyeria diana			

Federal Endangered Species from the U.S. Fish and Wildlife fo Status: Species of Concern	r IN State (Continued)
Common Name: Elusive clubtail Status: Species of Concern	Scientific Name: Stylurus notatus
Common Name: Lateral bluet Status: Species of Concern	Scientific Name: Enallagma laterale
Common Name: Rusty patched bumble bee Status: Under Review	Scientific Name: Bombus affinis
Group:Mammals	
Common Name: Southeastern myotis Status: Species of Concern	Scientific Name: Myotis austroriparius
Group:Reptiles	
Common Name: Blanding's turtle Status: Under Review	Scientific Name: Emydoidea blandingii
Common Name: Kirtland's snake Status: Under Review	Scientific Name: Clonophis kirtlandii
Common Name: False map turtle Status: Species of Concern	Scientific Name: Graptemys pseudogeographica
Group:Snails	
Common Name: Armored rocksnail Status: Species of Concern	Scientific Name: Lithasia armigera
IN Endangered species for MORGAN County Group: Amphibian	
Common Name: Four-toed Salamander Global Rank: G5	Scientific Name: Hemidactylium scutatum State Rank: S2
Common Name: Northern Crawfish Frog Global Rank: G4T4	Scientific Name: Lithobates areolatus circulosus State Rank: S2
Group: Bird	
Common Name: Bachman's Sparrow Global Rank: G3	Scientific Name: Aimophila aestivalis State Rank: SXB
Common Name: Bald Eagle Global Rank: G5	Scientific Name: Haliaeetus leucocephalus State Rank: S2
Common Name: Barn Owl Global Rank: G5	Scientific Name: Tyto alba State Rank: S2
Common Name: Bewick's Wren Global Rank: G5	Scientific Name: Thryomanes bewickii State Rank: S1B
Common Name: Black-and-white Warbler	Scientific Name: Mniotilta varia

IN Endangered species for MORGAN County (Continued...) Global Rank: G5

Common Name: Broad-winged Hawk Global Rank: G5

Common Name: Cerulean Warbler Global Rank: G4

Common Name: Henslow's Sparrow Global Rank: G4

Common Name: Hooded Warbler Global Rank: G5

Common Name: Loggerhead Shrike Global Rank: G4

Common Name: Osprey Global Rank: G5

Common Name: Red-shouldered Hawk Global Rank: G5

Common Name: Sharp-shinned Hawk Global Rank: G5

Common Name: Upland Sandpiper Global Rank: G5

Common Name: Worm-eating Warbler Global Rank: G5

Group: Fish

Common Name: Gilt Darter Global Rank: G4

Group: High Quality Natural Community

Common Name: Circumneutral Seep Global Rank: GU

Common Name: Dry-mesic Upland Forest Global Rank: G4

Common Name: Eroding Cliff Global Rank: G4

Common Name: Fen Global Rank: G3

Common Name: Mesic Upland Forest Global Rank: G3?

Group: Insect: Lepidoptera (Butterflies & Moths)

State Rank: S1S2B

Scientific Name: Buteo platypterus State Rank: S3B

Scientific Name: Dendroica cerulea State Rank: S3B

Scientific Name: Ammodramus henslowii State Rank: S3B

Scientific Name: Wilsonia citrina State Rank: S3B

Scientific Name: Lanius Iudovicianus State Rank: S3B

Scientific Name: Pandion haliaetus State Rank: S1B

Scientific Name: Buteo lineatus State Rank: S3

Scientific Name: Accipiter striatus State Rank: S2B

Scientific Name: Bartramia longicauda State Rank: S3B

Scientific Name: Helmitheros vermivorus State Rank: S3B

Scientific Name: Percina evides State Rank: S1

Scientific Name: Wetland - seep circumneutral State Rank: S1

Scientific Name: Forest - upland dry-mesic State Rank: S4

Scientific Name: Primary - cliff eroding State Rank: S1

Scientific Name: Wetland - fen State Rank: S3

Scientific Name: Forest - upland mesic State Rank: S3

IN Endangered species for MORGAN County (Continued...)

Common Name: Baltimore Global Rank: G4

Group: Insect: Odonata (Dragonflies & Damselflies)

Common Name: Gray Petaltail Global Rank: G4

Common Name: Spatterdock Darner Global Rank: G4

Common Name: Turquoise Bluet Global Rank: G5

Group: Mammal

Common Name: American Badger Global Rank: G5

Common Name: Eastern Pipistrelle Global Rank: G3

Common Name: Eastern Red Bat Global Rank: G5

Common Name: Evening Bat Global Rank: G5

Common Name: Hoary Bat Global Rank: G5

Common Name: Indiana Bat or Social Myotis Global Rank: G2

Common Name: Little Brown Bat Global Rank: G3

Common Name: Northern Myotis Global Rank: G1G3

Group: Mollusk: Bivalvia (Mussels)

Common Name: Black Sandshell Global Rank: G4G5

Common Name: Clubshell Global Rank: G1G2

Common Name: Cracking Pearlymussel Global Rank: G1

Common Name: Eastern Fanshell Pearlymussel Global Rank: G1Q

Common Name: Kidneyshell Global Rank: G4G5

Scientific Name: Euphydryas phaeton State Rank: S2

Scientific Name: Tachopteryx thoreyi State Rank: S2S3

Scientific Name: Aeshna mutata State Rank: S1S2

Scientific Name: Enallagma divagans State Rank: S3

Scientific Name: Taxidea taxus State Rank: S2

Scientific Name: Perimyotis subflavus State Rank: S2S3

Scientific Name: Lasiurus borealis State Rank: S4

Scientific Name: Nycticeius humeralis State Rank: S1

Scientific Name: Lasiurus cinereus State Rank: S4

Scientific Name: Myotis sodalis State Rank: S1

Scientific Name: Myotis lucifugus State Rank: S2

Scientific Name: Myotis septentrionalis State Rank: S2S3

Scientific Name: Ligumia recta State Rank: S2

Scientific Name: Pleurobema clava State Rank: S1

Scientific Name: Hemistena lata State Rank: SX

Scientific Name: Cyprogenia stegaria State Rank: S1

Scientific Name: Ptychobranchus fasciolaris State Rank: S2

IN Endangered species for MORGAN County (Continued...)

Common Name: Little Spectaclecase Global Rank: G5

Common Name: Longsolid Global Rank: G3

Common Name: Northern Riffleshell Global Rank: G2T2

Common Name: Pocketbook Global Rank: G5

Common Name: Pyramid Pigtoe Global Rank: G2G3

Common Name: Rabbitsfoot Global Rank: G3G4T3

Common Name: Rough Pigtoe Global Rank: G1

Common Name: Round Hickorynut Global Rank: G4

Common Name: Sheepnose Global Rank: G3

Common Name: Snuffbox Global Rank: G3

Common Name: Tennessee Riffleshell Global Rank: GX

Group: Other Significant Feature

Common Name: Water Fall and Cascade

Global Rank: GNR

Group: Reptile

Common Name: Alligator Snapping Turtle Global Rank: G3G4

Common Name: Eastern Box Turtle Global Rank: G5T5

Common Name: Kirtland's Snake Global Rank: G2

Common Name: Rough Green Snake Global Rank: G5

Common Name: Timber Rattlesnake Global Rank: G4

Scientific Name: Villosa lienosa State Rank: S3

Scientific Name: Fusconaia subrotunda State Rank: SX

Scientific Name: Epioblasma torulosa rangiana State Rank: SX

Scientific Name: Lampsilis ovata State Rank: S2

Scientific Name: Pleurobema pyramidatum State Rank: SX

Scientific Name: Quadrula cylindrica cylindrica State Rank: S1

Scientific Name: Pleurobema plenum State Rank: S1

Scientific Name: Obovaria subrotunda State Rank: S1

Scientific Name: Plethobasus cyphyus State Rank: S1

Scientific Name: Epioblasma triquetra State Rank: S1

Scientific Name: Epioblasma propinqua State Rank: SX

Scientific Name: Geomorphic - Nonglacial Erosional Featur e - Water Fall and Cascade State Rank: SNR

Scientific Name: Macrochelys temminckii State Rank: SNA

Scientific Name: Terrapene carolina carolina State Rank: S3

Scientific Name: Clonophis kirtlandii State Rank: S2

Scientific Name: Opheodrys aestivus State Rank: S3

Scientific Name: Crotalus horridus State Rank: S2

IN Endangered species for MORGAN County (Continued...)

Group: Vascular Plant

Map ID

Common Name: Butternut Global Rank: G4

Common Name: Eastern White Pine Global Rank: G5

Common Name: Pink Thoroughwort Global Rank: G5

Common Name: Purple Flowering Raspberry Global Rank: G5

Common Name: Trailing Arbutus Global Rank: G5

Scientific Name: Juglans cinerea State Rank: S3

Scientific Name: Pinus strobus State Rank: S2

Scientific Name: Eupatorium incarnatum State Rank: S2

Scientific Name: Rubus odoratus State Rank: S2

Scientific Name: Epigaea repens State Rank: S3

Direction	
Distance	EDR ID
Distance (ft.)	Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Endangered Species Codes

Global Imperilment Rank Codes - GRANK: Priority rank (1-5) based on number of occurrences through element's range.

G1 - Critically imperiled globally because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G2 - Imperiled globally because of rarity (6-20 occurrences or few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G3 - Vulnerable. Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range. (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range; in terms of occurrences, in the range of 21 - 100.

G4 - Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery.

G5 - Demonstrably secure globally, though it may be quite rare in parts of its range, especially at the periphery.

GH - Possibly extinct or eliminated. Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the expectation that it may be rediscovered (e.g., Bachman's Warbler). For historic and ecological communities, no likelihood for rediscovery, but possibility of restoration (e.g., American Chestnut Forest).

GNA - Not applicable to the element at a global level. Includes Hybrids, Invasive species, species of Domestic Origin, Cultural communities, and communities that have been managed.

GNR - Rank not assigned.

GU - Unrankable. Possibly in peril range-wide but status uncertain; more information is needed.

GX - Believed to be extinct throughout range (e.g., Passenger Pigeon) with virtually no likelihood that it will be rediscovered. For an ecological community, no restoration potential.

G#G# - Rank with a range. Used to show the range of uncertainty, will not skip more than 1 rank.

T-RANKS - T subranks are given to global ranks when a subspecies, variety, or race is considered at the state level. The subrank is made up of a "T" plus a number or letter (1, 2, 3, 4, 5, H, U, X) with the same ranking rules as a full species.

State Rank Codes - SRANK: Priority rank (1-5) based on number of occurrences through element's range.

S1 - Critically imperiled, Extremely rare. Typically 5 or fewer estimated occurrences in the state, or only a few remaining individuals, may be especially vulnerable to extirpation.

S2 - Imperiled, very rare. Typically between 5 and 20 estimated occurrences or with many individuals in fewer occurrences, often susceptible to becoming extirpated.

S3 - Vulnerable, rare to uncommon. Typically between 21 and 100 estimated occurrences, may have fewer occurrences but with large number of individuals in some populations, may be susceptible to large-scale disturbances.

S4 - Common, apparently secure under present conditions. Typically 100 or more estimated occurrences, but may be fewer with many large populations, may be restricted to only a portion of the state, usually not susceptible to immediate threats.

S5 - Demonstrably widespread, common, and secure in the state and essentially ineradicable under present conditions.

SA - Accidental.

SH - Historically known from the state, but not verified for an extended period, usually 15 years.

SU - Unrankable, not assessed. Possibly in peril in the state, but status uncertain, more information is needed. When possible, the most likely rank is assigned and a question mark is added to show uncertainty.

SX - Apparently extirpated from state.

SNR - Unranked. The state rank not yet assessed.

SRF - Reported falsely in the state.

SE - Exotic for local area.

SZ - Birds that migrate through the state but have no identifiable location.

S#S# - State level of G#G#.

Endangered Species Codes, (Continued...)

General Ranking Notes

- Q A "Q" in the global rank indicates the element's taxonomic classification as a species is a matter of conjecture among scientists.
- A Accidental far outside usual range
- C Captive or Cultivated only
- HYB Element represents an interspecific hybrid, not a species
- R Reported but not confirmed
- Z Zero Occurrences

Breeding Status Qualifiers (animals only)

- B Breeding population of the element
- N Nonbreeding population of the element
- M Migrant population



SITE NAME:	Growing Green	CLIENT:	Alpine Environmental	
ADDRESS:	Growing Green	CONTACT:	Rob Downey	
	Martinsville IN 46151	INQUIRY #:	6133356.10s	
LAT/LONG:	39.373023 / 86.481941	DATE:	July 24, 2020	TC6133356.10s Page 14 of 40

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)

EDR ID Database

A1 East 1/8-1/4 mi 1248	Not Reported Not Reported MARTINSVILLE , IN 46151		INHSS2000042438 IN Historic Structure Sites
	SHAARD ID: Historic Name: Structure Rating:	109-279-60036 Not Reported Not Reported	

A2 East 1/4-1/2 mi 1427	Hastings Schoolhouse 1/5 mile south of interse Church Road Martinsville , IN 46151	e INSHPO200001 section Hacker Creek Road and Liberty INSHPO200001 IN Historic S	
	IHSSIS File #: National Register #: Acreage: URL:	- NR-1401 Less than 1 acre https://secure.in.gov/apps/dnr/shaard/map.html?printType=countyS surveyNum=-	Survey&

A3 Hastings Schoolhouse East Not Reported 1/4-1/2 mi MARTINSVILLE , IN 46151 1497			INHPNR200000638 IN Historic Places National Register
	SHAARD ID: Historic Name:	NR-1401 Hastings Schoolhouse	

4 ENE 1/4-1/2 mi 1851	Not Reported Not Reported MARTINSVILLE , IN 46151		INHSS2000042423 IN Historic Structure Sites
	SHAARD ID: Historic Name: Structure Rating:	109-279-60033 Not Reported Not Reported	

B5Not ReportedWestNot Reported1/4-1/2 miMARTINSVILLE , IN 4615124142414

INHSS2000042367 IN Historic Structure Sites

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)

SHAARD ID: Historic Name: Structure Rating:

Not Reported

Not Reported

SHAARD ID:

Historic Name:

Structure Rating:

MARTINSVILLE, IN 46151

109-279-60035 Not Reported Not Reported

109-279-60034

Not Reported

Not Reported

INHSS2000042417 IN Historic Structure Sites

EDR ID

Database

7 East 1/2-1 mi 4775

B6

West

2686

1/2-1 mi

Not Reported Not Reported MARTINSVILLE , IN 46151

SHAARD ID: Historic Name: Structure Rating: 109-279-60037 Not Reported Not Reported INHSS2000042343 IN Historic Structure Sites

8	Not Reported
NE	Not Reported
1/2-1 mi	MARTINSVILLE IN 46151
5111	

SHAARD ID: Historic Name: Structure Rating: 109-386-60032 Not Reported Not Reported INHSS2000042330 IN Historic Structure Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status EDR ID Database

> Unmappable 75000013

Prairie Creek Site Address Restricted **National Register of Hist. Places** Washington, IN 75000013 Ref #: Multiple Property Name: Not Reported County: Daviess Restricted: Х Certification: LISTED IN THE NATIONAL REGISTER Certification Date: 19750512 Type: Site # of Contrib Bldgs: 0 # of Contrib Sites:# of Contrib Objects: 1 0 # of Contrib Structs: 0 Documents: https://npgallery.nps.gov/AssetDetail/NRIS/75000013

Flood Plain Map



SITE NAME:	Growing Green	CLIENT:	Alpine Environmental	
ADDRESS:	Growing Green	CONTACT:	Rob Downey	
LAT/LONG:	39.373023 / 86.481941	DATE:	July 24, 2020	TC6133356.10s Page 18 of 40

FLOOD PLAIN MAP FINDINGS

Source: FEMA FIRM Flood Data, FEMA Q3 Flood Data

Flood Panel Number	FEMA Source Type			
Flood Plain panel at target property: 18109C0355E (FEMA FIRM Flood data)				
Additional Flood Plain par 18109C0245 18109C0265 18109C0264 18109C0335	nel(s) in search area: E (FEMA FIRM Flood d E (FEMA FIRM Flood d E (FEMA FIRM Flood d E (FEMA FIRM Flood d	ata) ata) ata) ata)		
Map ID Direction Distance Distance (ft.)	Descript	tion	Database	
1 North 0-1/16 mi 0	Special Flood Hazard Area: Flood Hazard Area: Flood Zone: Sub Type:	Yes Special Flood Hazard Area (1%) A Not Reported	FLOODPLAIN	
2 NNW 0-1/16 mi 183	Special Flood Hazard Area: Flood Hazard Area: Flood Zone: Sub Type:	Yes Special Flood Hazard Area (1%) AE Not Reported	FLOODPLAIN	
3 West 1/16-1/8 mi 380	Special Flood Hazard Area: Flood Hazard Area: Flood Zone: Sub Type:	No 0.2% Annual Chance Flood Hazard X 0.2 PCT ANNUAL CHANCE FLOOD HAZA	FLOODPLAIN RD	
4 North 1/16-1/8 mi 591	Special Flood Hazard Area: Flood Hazard Area: Flood Zone: Sub Type:	No 0.2% Annual Chance Flood Hazard X 0.2 PCT ANNUAL CHANCE FLOOD HAZA	FLOODPLAIN RD	
5 NW 1/2-1 mi 4127	Special Flood Hazard Area: Flood Hazard Area: Flood Zone: Sub Type:	Yes Special Flood Hazard Area (1%) AE FLOODWAY	FLOODPLAIN	

Wetlands Map



LAT/LONG:	39.373023 / 86.481941	DATE:	July 24, 2020	TC6133356.10s Page 20 of 40
	Martinsville IN 46151	INQUIRY #:	6133356.10s	
ADDRESS:	Growing Green	CONTACT:	Rob Downey	
SITE NAME:	Growing Green	CLIENT:	Alpine Environmental	

Source: Fis	sh and Wildlife Service NWI data	
NWI hardco Additional I	opy map at target property: Hindustan NWI hardcopy map(s) in search area: Martinsville Paragon Modesto	
Map ID Direction Distance Distance (fi	t.) Code and Description*	Database
1 WNW 0-1/8 mi 257	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.373291 / -86.482780	NWI
A2 NNW 0-1/8 mi 549	IN State Wetlands Lat/Lon: 39.374390 / -86.482750	STATE WETLANDS
3 SSE 0-1/8 mi 598	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.371468 / -86.481262	NWI
A4 NNW 0-1/8 mi 617	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.374626 / -86.482643	NWI
B5 NNW 1/4-1/2 mi 1869	IN State Wetlands Lat/Lon: 39.377323 / -86.485550	STATE WETLANDS
B6 NW 1/4-1/2 mi 1878	PFO1C [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [C] Seasonally Flooded Lat/Lon: 39.377285 / -86.485680	NWI
C7 SSW 1/4-1/2 mi 1945	PEM1Ch [P] Palustrine [EM] Emergent [1] Persistent [C] Seasonally Flooded [h] Diked/Impounded Lat/Lon: 39.367954 / -86.484116	NWI
B8 NNW 1/4-1/2 mi 2012	PEM1A [P] Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded Lat/Lon: 39.378078 / -86.484810	NWI

Map ID Direction Distance Distance (f	t.) Code and Description*	Database
C9 SSW 1/4-1/2 mi 2075	PEM1A [P] Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded Lat/Lon: 39.367439 / -86.483398	NWI
B10 NNW 1/4-1/2 mi 2082	IN State Wetlands Lat/Lon: 39.378166 / -86.485161	STATE WETLANDS
D11 NW 1/4-1/2 mi 2252	PUBG [P] Palustrine [UB] Unconsolidated Bottom [G] Intermittently Exposed Lat/Lon: 39.378109 / -86.486473	NWI
E12 South 1/4-1/2 mi 2285	IN State Wetlands Lat/Lon: 39.366764 / -86.482552	STATE WETLANDS
D13 NNW 1/4-1/2 mi 2349	PUBG [P] Palustrine [UB] Unconsolidated Bottom [G] Intermittently Exposed Lat/Lon: 39.378490 / -86.486351	NWI
E14 South 1/4-1/2 mi 2516	IN State Wetlands Lat/Lon: 39.366154 / -86.482933	STATE WETLANDS
15 West 1/4-1/2 mi 2637	PUBGh [P] Palustrine [UB] Unconsolidated Bottom [G] Intermittently Exposed [h] Diked/Impounded Lat/Lon: 39.372688 / -86.491264	NWI
F16 South 1/2-1 mi 2810	IN State Wetlands Lat/Lon: 39.365326 / -86.481201	STATE WETLANDS
F17 South 1/2-1 mi 2828	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.365273 / -86.481270	NWI

Map ID Direction Distance Distance (ft	.) Code and Description*	Database
()		
G18 WNW 1/2.1 mi	PSS1C [P] Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous [C] Seasonally Flooded	NWI
2857	Lat/Lon: 39.375198 / -86.491653	
G19 WNW	PSS1C [P] Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous [C] Seasonally Flooded	NWI
1/2-1 mi 2985	Lat/Lon: 39.375179 / -86.492134	
H20 South	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded	NWI
1/2-1 mi 3267	Lat/Lon: 39.364170 / -86.483841	
H21 South	IN State Wetlands	STATE WETLANDS
1/2-1 mi 3326	Lat/Lon: 39.364025 / -86.483963	
22 NW	PEM1A [P] Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded	NWI
1/2-1 mi 3945	Lat/Lon: 39.380222 / -86.492371	
I23 North	IN State Wetlands	STATE WETLANDS
1/2-1 mi 4247	Lat/Lon: 39.384678 / -86.482437	
I24 North	PEM1C [P] Palustrine [EM] Emergent [1] Persistent [C] Seasonally Flooded	NWI
1/2-1 mi 4262	Lat/Lon: 39.384712 / -86.482704	
J25 WNW	PFO1C [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [C] Seasonally Flooded	NWI
1/2-1 mi 4791	Lat/Lon: 39.379734 / -86.496521	
J26	IN State Wetlands	STATE WETLANDS
1/2-1 mi 4797	Lat/Lon: 39.379681 / -86.496590	
	Map ID Direction Distance Distance (ft G18 WNW 1/2-1 mi 2857 G19 WNW 1/2-1 mi 2985 H20 South 1/2-1 mi 3267 H21 South 1/2-1 mi 3267 L22 NW 1/2-1 mi 3326 I23 North 1/2-1 mi 3945 I23 North 1/2-1 mi 4247 I24 North 1/2-1 mi 4262 J25 WNW 1/2-1 mi 4797	Map ID Direction Distance (t) Code and Description* G18 WNW 1/2-1 mi 2857 PSS1C (P) Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous [C] Seasonally Flooded Lat/Lon: 39.375179 /-86.491653 G19 WNW 1/2-1 mi 2985 PSS1C (P) Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous [C] Seasonally Flooded Lat/Lon: 39.375179 /-86.492134 H20 South 1/2-1 mi 3267 PFO1A (P) Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.364170 /-86.483841 H21 South 1/2-1 mi 3267 IN State Wetlands Lat/Lon: 39.364025 /-86.483963 22 NW 1/2-1 mi 3945 PEM1A (P) Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded Lat/Lon: 39.380222 /-86.492371 123 North 1/2-1 mi 4247 IN State Wetlands Lat/Lon: 39.384678 /-86.482437 124 North 1/2-1 mi 4262 PEM1C (P) Palustrine [EM] Emergent [1] Persistent [C] Seasonally Flooded Lat/Lon: 39.384712 /-86.482704 125 WNW 1/2-1 mi 4262 PFO1C (P) Palustrine [FO] Forested [1] Broad-Leaved Deciduous [C] Seasonally Flooded Lat/Lon: 39.379734 /-86.496521 125 WNW 1/2-1 mi 4791 IN State Wetlands Lat/Lon: 39.379734 /-86.496521 126 WNW 1/2-1 mi 4791 IN State Wetlands Lat/Lon: 39.37961 /-86.496521

Map ID Direction Distance Distance (ft	.) Code and Description*	Database
K27 NW 1/2-1 mi 4911	PEM1A [P] Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded Lat/Lon: 39.382332 / -86.494514	NWI
28 West 1/2-1 mi 5071	PUBGh [P] Palustrine [UB] Unconsolidated Bottom [G] Intermittently Exposed [h] Diked/Impounded Lat/Lon: 39.371147 / -86.499718	NWI
K29 NW 1/2-1 mi 5146	PEM1A [P] Palustrine [EM] Emergent [1] Persistent [A] Temporarily Flooded Lat/Lon: 39.382572 / -86.495361	NWI
30 West 1/2-1 mi 5166	PUBGh [P] Palustrine [UB] Unconsolidated Bottom [G] Intermittently Exposed [h] Diked/Impounded Lat/Lon: 39.373806 / -86.500191	NWI
L31 NW 1/2-1 mi 5170	IN State Wetlands Lat/Lon: 39.381886 / -86.496239	STATE WETLANDS
L32 NW 1/2-1 mi 5175	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.381927 / -86.496216	NWI
M33 WNW 1/2-1 mi 5232	IN State Wetlands Lat/Lon: 39.380043 / -86.498093	STATE WETLANDS
34 WNW 1/2-1 mi 5237	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 39.378586 / -86.499031	NWI
M35 WNW 1/2-1 mi 5239	R2UBH [R] Riverine [2] Lower Perennial [UB] Unconsolidated Bottom [H] Permanently Flooded Lat/Lon: 39.379974 / -86.498169	NWI

Map ID Direction Distance Distance (f	t.) Code and Description*	Database
N36 NNW	IN State Wetlands	STATE WETLANDS
1/2-1 mi 5250	Lat/Lon: 39.386024 / -86.489967	
N37 NNW 1/2 1 mi	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded	NWI
5256	Lat/Lon: 39.386055 / -86.489929	

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- · to describe ecological units that have certain homogeneous natural attributes,
- · to arrange these units in a system that will aid decisions about resource management,
- · to furnish units for inventory and mapping, and
- · to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- · subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

- 1. marine
- 2. estuarine
- 3. riverine
- 4. lacustrine
- 5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.





* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM. **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.



SUBSYSTEM				P - PALUS					
CLASS Bottom	RBROCK BOTTOM	UBUNCONSOLIDATED BOTTOM	AB-AQUATIC BED	USUNCONSOLIDATED SHORE	MLMOSS- LICHEN	EMEMERGENT	SSSCRUB-SHRUB	FOFORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen Evergreed 4 Needle-Leaved Evergreen Evergreed 5 Dead 6 Deciduous 6Decid 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved a 4 Needle-Leaved a 5 Dead uous 7 Evergreen	

MODIFIERS In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.								
	WATER REGIME			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal A Temporarily Flooded B Saturated C Seasonally Flooded/ D Seasonally Flooded/ Well Drained E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	Fidal CoastalHa H Permanently Flooded J Intermittently Flooded K Artificially Flooded W Intermittently Flooded/Temporary Y Saturated/Semipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown	linityInlandSalinitypHMo K Artificially Flooded L Subtidal M Irregularly Exposed N Regularly Flooded P Irregularly Flooded *These water reg tidally influenc	difiersfor *S Temporary-Tidal *R Seasonal-Tidal *T Semipermanent -Tidal V Permanent -Tidal U Unknown gimes are only used in ed, freshwater systems.	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	all Fresh Water a Acid t Circumneutral i Alkaline	g Organic n Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded r Artificial Substrate s Spoil x Excavated

Source: U.S. Department of the Interior Fish and Wildlife Service National Wetlands Inventory



SITE NAME: Growing Green	CLIENT: Alpine Environmental	
ADDRESS: Growing Green	CONTACT: Rob Downey	
Martinsville IN 46151	INQUIRY #: 6133356.10s	
LAT/LONG: 39.373023 / 86.481941	DATE: July 24, 2020 TC6133356.10s Pa	ge 30 of 40

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID Direction Distance Distance (ft.)

EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID Database

35727 POWERLINES

Voltage: Range: Hi voltage: Volt cat: Type: Status: Corridor: Owner: Owner id: Num owners: Operator: Operator id: Last owner: Last own id: Last oper: Last oper id: Mileage:

69 Not Reported 0 0-69 kV Alternating current Active Single line Duke Energy Corporation DUKE Single Owner Duke Energy Corporation DUKE PSI Energy Inc. PSI Not Reported Not Reported 12.645460679999999

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Wilderness Areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks

- Forests

- Monuments

- Wildlife Sanctuaries, Preserves, Refuges

- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

US NWP: National Wilderness Preservation System

This map layer consists of National Wilderness Preservation System areas of 320 acres or more, in the United States, Puerto Rico, and the U.S. Virgin Islands. Some established wilderness areas which are larger than 320 acres are not included in this map layer because their boundaries were not available from the owning or administering agency.

Source: U.S. Geological Survey. Telephone: 888-275-8747

Federal Contacts for Additional Information National Park Service, Midwest Region 1709 Jackson Street Omaha, NE 68102 402-221-3471

USDA Forest Service, Eastern 310 West Wisconsin Avenue Milwaukee, WI 53203 414-297-3693

BLM - Eastern States Office 7450 Boston Blvd. Springfield, VA 22153 703-440-1713

Fish & Wildlife Service, Fish & Wildlife Region 3 BHW Federal Building One Federal Drive Fort Snelling, MN 55111-4056 612-713-5230

Wildlife Preserves, Sanctuaries and Refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS Telephone: 703-648-5094 Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

IN DNR Managed Lands: DNR Managed Lands

It includes natural and recreation areas which are owned or managed by the Indiana Department of Natural Resources, federal agencies, local agencies, and non-profit organizations. It also includes private lands with Conservation Easements owned by IDNR. Source: Department of Natural Resources. Telephone: 317-232-4052

IN DNR Lands: DNR Lands

Includes natural and recreation areas which are owned or managed by the Indiana Department of Natural Resources, federal agencies, local agencies, and non-profit organizations. It also includes private lands with Conservation Easements owned by IDNR. Source: Department of Natural Resources.. Telephone: 317-232-4052

Telephone: 317-232-4052

US Critical Land Habitat: US Critical Land Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act. Source: US Fish & Wildlife Services.

Telephone: 970-226-9468

US Critical Water Habitat: US Critical Water Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act. Source: US Fish & Wildlife Services. Telephone: 970-226-9468

US ACEC: Areas of Critical Environmental Concern Designated Polygons The designated ACECs are "areas within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems of processes, or to protect life and safety from natural hazards Source: Bureau of Land Management. Telephone: 202-912-7352

US Proclamation Boundaries: US Proclamation Boundaries Approved, Proclamation or Extent Boundary Source: USGS. Telephone: 208-301-8288

US NCED: National Conservation Easement Database NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments. Source: U.S Endowment for Forestry and Communities. Telephone: 202-621-1647

US Scenic River: National Wild and Scenic River System National Wild and Scenic Rivers System Source: USGS National Atlas and the Interagency Wild and Scenic River Coordinating Council. Telephone: 509-546-8333

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 3 BHW Federal Building One Federal Drive Fort Snelling, MN 55111-4056 612-713-5230

State Contacts for Additional Information Fish and Wildlife Division 317-232-4080

Wild and scenic rivers Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.
- Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 3 BHW Federal Building One Federal Drive Fort Snelling, MN 55111-4056 612-713-5230

Endangered Species

Government Records Searched in This Report IN Endangered Species by County: Natural Heritage Data Listing of endangered, threatened and rare species. Source: Department of Natural Resources.. Telephone: 317-232-4052

Federal Endangered Species by County: Threatened and Endangered Species Listing Endangered, Threatened, Emergency Listing (Endangered), Emergency Listing (Threatened), Experimental Population (Essential), Experimental Population (Non-Essential), Similarity of Appearance (Endangered), Similarity of Appearance (Threatened). Source: US Fish and Wildlife Services. Telephone: 800-344-9453

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 3 BHW Federal Building One Federal Drive Fort Snelling, MN 55111-4056 612-713-5230

State Contacts for Additional Information

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation. The National Register includes:

- All prehistoric and historic units of the National Park System;

- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and

- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 07/19/2015

IN Historic Sites: The Indiana State Historic Architectural and Archaeological Research Database (SHAARD) SHAARDs allows users to search cultural resource information on known historic and archaeological resources throughout Indiana. The data contained in SHAARD was collected from previously conducted cultural resource inventories, National Register nominations, and cultural resource management projects. Source: Department of Natural Resources. Telephone: 317-232-4068

IN Historic Sites: Historic Places on the National Register This dataset contains point locations of sites in Indiana that have been included in the National Register of Historic Places. It includes buildings, districts, sites, cemeteries, bridges, structures and objects. Source: Department of Natural Resources. Telephone: 317-232-1646

IN Historic Sites: Historic Structures and Sites This dataset contains point locations of sites in Indiana that have been included in the Indiana Historic Sites and Structures Inventory (IHSSI). It includes buildings, districts, sites, structures and objects that are were at least 40 years old at the time of survey. Source: Department of Natural Resources. Telephone: 317-232-4068

Natchez Trace National Scenic Trail: Natchez Trace National Scenic Trail Source: Natchez Trace Parkway. Telephone: 800-305-7417

US Trails: US Trails

This dataset contains a baseline inventory and condition assessment of all non-motorized trails on U.S. Fish and Wildlife Service lands as part of the National Trails Inventory Program conducted by the US Dept. of Transportation, Federal Highway Administration, Federal Lands Highway Division. Source: U.S. Fish and Wildlife. Telephone: 703-358-2205

Indian Reservations: Indian Reservations This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres. Source: USGS. Telephone: 202-208-3710

Potomac Heritage National Scenic Trail: Potomac Heritage National Scenic Trail Source: Potomac Heritage NST Office. Telephone: 304-535-4014

Federal Contacts for Additional Information Park Service; Advisory Council on Historic Preservation 1849 C Street NW Washington, DC 20240 Phone: (202) 208-6843

State Contacts for Additional Information Dept. of Natural Resources 317-232-1646

Indian Religious Sites

Government Records Searched in This Report Indian Reservations: This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres. Source: USGS Phone: 888-275-8747 Date of Government Version: 12/31/2005

Federal Contacts for Additional Information Department of the Interior- Bureau of Indian Affairs Office of Public Affairs 1849 C Street, NW Washington, DC 20240-0001 Office: 202-208-3711 Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers 1411 K Street NW, Suite 700 Washington, DC 20005 Phone: 202-628-8476 Fax: 202-628-2241

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at: http://www.doi.gov/bia/areas/agency.html

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts Special Flood Hazard Areas (1%) and 0.2% Annual Chance of Flood Hazard as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Phone: 877-336-2627 Date of Government Version: 2015, 2003

Federal Contacts for Additional Information Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information State Emergency Management Agency 317-232-3980
KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010, and 2015 from the U.S. Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service. Phone: 608-238-9333 Date of Government Version: 05/28/2015

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

Federal Contacts for Additional Information Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information Dept. of Natural Resources 317-232-4080

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas Dept. of Env., Health & Natural Resources 919-733-2293

Federal Contacts for Additional Information Office of Ocean and Coastal Resource Management N/ORM, SSMC4 1305 East-West Highway Silver Spring, Maryland 20910 301-713-3102

State Contacts for Additional Information Dept. of Natural Resources, Div. Of Water 317-233-0131

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular Federal Communications Commission 445 12th Street, SW Washington, DC 20554 888-225-5322

Antenna Structure Registration Federal Communications Commission 445 12th Street, SW Washington, DC 20554 888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

AM Antenna

Federal Communications Commission 445 12th Street, SW Washington, DC 20554 888-225-5322

FM Antenna

Federal Communications Commission 445 12th Street, SW Washington, DC 20554 888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Sprinng, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration Telephone (800) 457-6656 Private and public use landing facilities.

Electric Power Transmission Line Data

PennWell Corporation

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Federal Contacts for Additional Information

Office of Engineering and Technology Federal Communications Commission 445 12th Street SW Washington, DC 20554 Phone: 202-418-2470

OTHER CONTACT SOURCES

STREET AND ADDRESS INFORMATION

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Growing Green Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.3 July 24, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

Site Name:

Growing Green Growing Green Martinsville, IN 46151 EDR Inquiry # 6133356.3

Alpine Environmental 1715 West Foxcliff Drive South Martinsville, IN 46151 Contact: Rob Downey

Client Name:



07/24/20

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. 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. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results: Certification # 8083-44EE-9304 PO# NA NA Project

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification #: 8083-44EE-9304

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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™

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Growing Green Growing Green Martinsville, IN 46151

Inquiry Number: 6133356.4 July 24, 2020

EDR Historical Topo Map Report with QuadMatch™



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

EDR Historical Topo Map Report

Site Name:

Growing Green

Growing Green

Martinsville, IN 46151 EDR Inquiry # 6133356.4

Client Name:

Alpine Environmental 1715 West Foxcliff Drive South Martinsville, IN 46151 Contact: Rob Downey



07/24/20

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results		Coordinates:	
P.O.#	NA	Latitude:	39.373023 39° 22' 23" North
Project:	NA	Longitude:	-86.481941 -86° 28' 55" West
-		UTM Zone:	Zone 16 North
		UTM X Meters:	544623.26
		UTM Y Meters:	4358300.65
		Elevation:	581.38' above sea level
Maps Provided	:		
2013			
1998			
1983			
1980			
1961, 1965			
1955, 1957			
1948			
1942			

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets





Hindustan 2013 7.5-minute, 24000

Paragon 2013 7.5-minute, 24000

Modesto

1998



Martinsville 2013 7.5-minute, 24000



Modesto 2013 7.5-minute, 24000

1998 Source Sheets



HINDUSTAN 1998 7.5-minute, 24000

1983 Source Sheets



Martinsville 1983 7.5-minute, 24000 Aerial Photo Revised 1977

1980 Source Sheets

7.5-minute, 24000

Aerial Photo Revised 1998

1983 7.5-minute, 24000 Aerial Photo Revised 1977



Hindustan 1980 7.5-minute, 24000 Aerial Photo Revised 1977





Martinsville 1980 7.5-minute, 24000 Aerial Photo Revised 1977



1998 7.5-minute, 24000 Aerial Photo Revised 1998



Paragon 1983 7.5-minute, 24000 Aerial Photo Revised 1977



Paragon 1980 7.5-minute, 24000 Aerial Photo Revised 1977



Modesto 1980 7.5-minute, 24000 Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1961, 1965 Source Sheets





Paragon

7.5-minute, 24000

Aerial Photo Revised 1954

1957

Hindustan 1961 7.5-minute, 24000 Aerial Photo Revised 1939

Martinsville 1965 7.5-minute, 24000 Aerial Photo Revised 1954

1955, 1957 Source Sheets



Martinsville 1955 7.5-minute, 24000 Aerial Photo Revised 1954

1948 Source Sheets



Hindustan 1948 7.5-minute, 24000

1942 Source Sheets



Franklin 1942 30-minute, 125000 Aerial Photo Revised 1941



Modesto 1957 7.5-minute, 24000 Aerial Photo Revised 1955







6133356 - 4 page 6



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6133356 - 4





TP, Hindustan, 1980, 7.5-minute NE, Martinsville, 1980, 7.5-minute SW, Modesto, 1980, 7.5-minute NW, Paragon, 1980, 7.5-minute





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6133356 - 4



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6133356 - 4



Appendix VI

Laboratory Certificates of Analysis



ANALYTICAL REPORT

August 05, 2020

Alpine Environmental, Inc.

Sample Delivery Group: Samples Received: Project Number: Description:

L1244398 07/29/2020 J-158-01 Growing Green, Inc.

Report To:

Mr. Robert Downey 289 East Garfield Avenue Martinsville, IN 46151

Entire Report Reviewed By:

Jennifer Huckaba

Jennifer Huckaba Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV/SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

ACCOUNT: Alpine Environmental, Inc. PROJECT: J-158-01

SDG: L1244398

DATE/TIME: 08/05/20 19:09 Тс Ss Cn Sr ʹQc Gl AI Sc

TABLE OF CONTENTS

1 2

ONWIDE.	*
	¹ Cp
	² Tc
	³ Ss
	⁴ Cn
	⁵ Sr
	⁶ Qc
	⁷ Gl
	⁸ AI
	⁹ Sc

Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
GP-1 L1244398-01	7
GP-2 L1244398-02	9
GP-3 L1244398-03	11
GP-4 L1244398-04	13
GP-5 L1244398-05	15
GP-6 L1244398-06	17
GP-1 L1244398-07	19
GP-2 L1244398-08	21
GP-3 L1244398-09	23
GP-4 L1244398-10	25
GP-5 L1244398-11	27
GP-6 L1244398-12	29
Qc: Quality Control Summary	31
Total Solids by Method 2540 G-2011	31
Wet Chemistry by Method 9056A	32
Mercury by Method 7470A	33
Mercury by Method 7471A	35
Metals (ICP) by Method 6010B	36
Chlorinated Acid Herbicides (GC) by Method 8151	38
Pesticides (GC) by Method 8081	42
GI: Glossary of Terms	48
Al: Accreditations & Locations	49
Sc: Sample Chain of Custody	50

Cp: Cover Page

Tc: Table of Contents

SDG: L1244398 DATE/TIME: 08/05/20 19:09

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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GP-1 L1244398-01 Solid			Collected by Rob Downey	Collected date/time 07/23/20 09:40	Received da 07/29/20 09	te/time :00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1517545	1	07/30/20 06:04	07/30/20 09:43	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 10:54	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1518685	1	07/31/20 23:06	08/04/20 16:56	LEL	Mt. Juliet, TN
esticides (GC) by Method 8081	WG1519139	1	08/03/20 00:20	08/03/20 09:23	SSH	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
GP-2 L1244398-02 Solid			Rob Downey	07/23/20 10:07	07/29/20 09	.00
1ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
otal Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, TN
lercury by Method 7471A	WG1517545	1	07/30/20 06:04	07/30/20 09:56	ABL	Mt. Juliet, TN
letals (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 11:02	TRB	Mt. Juliet, TN
hlorinated Acid Herbicides (GC) by Method 8151	WG1518685	1	07/31/20 23:06	08/04/20 17:40	LEL	Mt. Juliet, TN
esticides (GC) by Method 8081	WG1519139	1	08/03/20 00:20	08/03/20 09:35	SSH	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
GP-3 L1244398-03 Solid			Rob Downey	07/23/20 11:03	07/29/20 09	:00
lethod	Batch	Dilution	Preparation	Analysis	Analyst	Location
	10/04/540 4/50	4	date/time	date/time	1/00	N 41 1 11 1 Th
btal Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, IN
letels (ICD) by Method CO10D	WG1517545	1	07/30/20 06:04	07/30/20 09:35	ABL	Mt. Juliet, IN
letais (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 10:36	IKR	Mt. Juliet, TN
acticidae (CC) by Method 2021	WG1316063	1	07/31/20 23.00	08/04/20 18.39	LEL CCLI	Mt Juliet TN
	MGIDIAIDA	I	08/03/20 00.20	08/03/20 09.47	220	Mit. Juliet, TN
SP-4 11244398-04 Solid			Collected by Rob Downey	Collected date/time 07/23/20 11:28	Received da 07/29/20 09	te/time :00
Acthod	Datch	Dilution	Droparation	Applycic	Applyct	Location
ietiiou	Batch	Dilution	date/time	date/time	AndiySt	LOCATION
otal Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, TN
lercury by Method 7471A	WG1517545	1	07/30/20 06:04	07/30/20 09:59	ABL	Mt. Juliet, TN
letals (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 11:05	TRB	Mt. Juliet, TN
hlorinated Acid Herbicides (GC) by Method 8151	WG1518685	1	07/31/20 23:06	08/04/20 18:53	LEL	Mt. Juliet, TN
esticides (GC) by Method 8081	WG1519139	1	08/03/20 00:20	08/03/20 10:00	SSH	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
GP-5 L1244398-05 Solid			Rob Downey	07/23/20 14:10	07/29/20 09	:00
/ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
otal Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, TN
lercury by Method 7471A	WG1517545	1	07/30/20 06:04	07/30/20 10:01	ABL	Mt. Juliet, TN
letals (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 11:08	TRB	Mt. Juliet, TN
	WG1518685	1	07/31/20 23:06	08/04/20 19:08	LEL	Mt. Juliet, TN
niorinated Acid Herbicides (GC) by Method 8151						

SDG: L1244398 DATE/TIME: 08/05/20 19:09

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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GP-6 L1244398-06 Solid			Collected by Rob Downey	Collected date/time 07/24/20 08:32	Received da 07/29/20 09	te/time :00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1519459	1	08/04/20 09:25	08/04/20 09:34	KBC	Mt. Juliet, TN
Mercury by Method 7471A	WG1517545	1	07/30/20 06:04	07/30/20 10:04	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1517493	1	07/30/20 09:26	07/31/20 11:10	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1518685	1	07/31/20 23:06	08/04/20 19:22	LEL	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1519139	1	08/03/20 00:20	08/03/20 17:50	SSH	Mt. Juliet, TN
			Collected by Rob Downey	Collected date/time 07/28/20 10:54	Received da	te/time :00
GP-1 L1244398-07 GW	Datch	Dilution	Droparation	Apolycic	Applyct	Location
vietnod	Balch	Dilution	date/time	date/time	AndiySt	Location
Vet Chemistry by Method 9056A	WG1517076	1	07/29/20 19:29	07/29/20 19:29	ELN	Mt. Juliet, TN
Nercury by Method 7470A	WG1517339	1	07/29/20 19:46	07/30/20 09:15	ABL	Mt. Juliet, TN
Netals (ICP) by Method 6010B	WG1517391	1	07/31/20 08:01	07/31/20 18:15	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1517537	1	07/30/20 08:08	07/30/20 18:09	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1518880	1	08/02/20 06:10	08/02/20 12:41	RP	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
GP-2 L1244398-08 GW			Rob Downey	07/28/20 11:14	07/29/20 09	:00
/lethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Vet Chemistry by Method 9056A	WG1517076	5	07/29/20 16:12	07/29/20 16:12	ELN	Mt. Juliet, TN
Iercury by Method 7470A	WG1517339	1	07/29/20 19:46	07/30/20 09:17	ABL	Mt. Juliet, TN
letals (ICP) by Method 6010B	WG1517391	1	07/31/20 08:01	07/31/20 18:26	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1517537	1	07/30/20 08:08	07/30/20 18:24	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1518880	1	08/02/20 06:10	08/02/20 12:54	RP	Mt. Juliet, TN
SP-3 11244398-09 GW			Collected by Rob Downey	Collected date/time 07/28/20 11:49	Received da 07/29/20 09	te/time :00
Mathad	Batch	Dilution	Proparation	Analysis	Analyst	Location
	Baten	Dilution	date/time	date/time	Analyst	Location
Vet Chemistry by Method 9056A	WG1517076	1	07/29/20 20:02	07/29/20 20:02	ELN	Mt. Juliet, TN
Vercury by Method 7470A	WG1517339	1	07/29/20 19:46	07/30/20 09:19	ABL	Mt. Juliet, TN
Ietals (ICP) by Method 6010B	WG1517391	1	07/31/20 08:01	07/31/20 18:29	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1517537	1	07/30/20 08:08	07/30/20 18:39	НМН	Mt. Juliet, TN
esticides (GC) by Method 8081	WG1518880	1	08/02/20 06:10	08/02/20 13:06	RP	Mt. Juliet, TN
CP 4 1 1244299 10 CW			Collected by Rob Downey	Collected date/time 07/28/20 12:10	Received da 07/29/20 09	te/time :00
0F-+ L1244330-10 0VV	Datab	Dilution	Droparation	Apolycic	Analyst	Location
	BatCU	DIIULION	date/time	date/time	AndiySt	LOCATION
Vet Chemistry by Method 9056A	WG1517076	1	07/29/20 20:18	07/29/20 20:18	ELN	Mt. Juliet, TN
fercury by Method 7470A	WG1517984	1	07/30/20 20:30	07/31/20 09:14	ABL	Mt. Juliet, TN
Netals (ICP) by Method 6010B	WG1517391	1	07/31/20 08:01	07/31/20 18:32	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1517537	1	07/30/20 08:08	07/30/20 18:54	HMH	Mt. Juliet, TN
	WC1E10000	1	00/02/20 06:10	00/02/20 12:10	DD	Mt Juliot TN

ACCOUNT: Alpine Environmental, Inc. PROJECT: J-158-01 SDG: L1244398 DATE/TIME: 08/05/20 19:09

PAGE: 4 of 52

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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			Collected by	Collected date/time	Received da	ite/time
6P-5 L1244398-11 GW ethod et Chemistry by Method 9056A ercury by Method 7470A etals (ICP) by Method 6010B nlorinated Acid Herbicides (GC) by Method 8151 esticides (GC) by Method 8081 6P-6 L1244398-12 GW ethod			Rob Downey	07/28/20 12:47	07/29/20 09):00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Wet Chemistry by Method 9056A	WG1517076	1	07/29/20 20:35	07/29/20 20:35	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1517339	1	07/29/20 19:46	07/30/20 09:21	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1517391	1	07/31/20 08:01	07/31/20 18:34	TRB	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1517537	1	07/30/20 08:08	07/30/20 19:09	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1518502	1	08/01/20 01:23	08/01/20 08:20	RP	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	ite/time
GP-6 L1244398-12 GW			Rob Downey	07/28/20 13:11	07/29/20 09):00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Wet Chemistry by Method 9056A	WG1517076	1	07/29/20 20:51	07/29/20 20:51	ELN	Mt. Juliet, TN
Mercury by Method 7470A	WG1517339	1	07/29/20 19:46	07/30/20 09:23	ABL	Mt. Juliet, TN

WG1517391

WG1517537

WG1518502

1

1

1

07/31/20 08:01

07/30/20 08:08

08/01/20 01:23

07/31/20 18:43

07/30/20 19:53

08/01/20 08:32

TRB

HMH

RP

Mt. Juliet, TN

Mt. Juliet, TN

Mt. Juliet, TN

Metals (ICP) by Method 6010B

Pesticides (GC) by Method 8081

Chlorinated Acid Herbicides (GC) by Method 8151

SDG: L1244398

CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba

Jennifer Huckaba Project Manager

Project Narrative

Samples GP-4, GP-5 & GP-6 arrived in the lab above 6 degrees C. Per client request, it is OK to analyze them anyway. Sample GP-4 Metals container had a pH of 7. Per client request, it is OK to preserve in lab and run for Metals.

SDG: L1244398 DATE/TIME: 08/05/20 19:09

Collected date/time: 07/23/20 09:40

SAMPLE RESULTS - 01 L1244398



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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		L
Analyte	%			date / time		2	_
Total Solids	75.7		1	08/04/2020 09:34	WG1519459	2	T

Mercury by Method 7471A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Mercury	ND		0.0528	1	07/30/2020 09:43	WG1517545

Metals (ICP) by Method 6010B

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		ଁ Qc
Arsenic	5.12		2.64	1	07/31/2020 10:54	WG1517493	
Barium	122		0.661	1	07/31/2020 10:54	<u>WG1517493</u>	⁷ GI
Cadmium	ND		0.661	1	07/31/2020 10:54	WG1517493	01
Chromium	21.8		1.32	1	07/31/2020 10:54	<u>WG1517493</u>	8
Lead	12.9		0.661	1	07/31/2020 10:54	WG1517493	Ă
Selenium	ND		2.64	1	07/31/2020 10:54	<u>WG1517493</u>	
Silver	ND		1.32	1	07/31/2020 10:54	WG1517493	⁹ SC

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0925	1	08/04/2020 16:56	WG1518685
Dalapon	ND		0.0925	1	08/04/2020 16:56	WG1518685
2,4-DB	ND		0.0925	1	08/04/2020 16:56	WG1518685
Dicamba	ND		0.0925	1	08/04/2020 16:56	WG1518685
Dichloroprop	ND		0.0925	1	08/04/2020 16:56	WG1518685
Dinoseb	ND	<u>J6</u>	0.0925	1	08/04/2020 16:56	WG1518685
MCPA	ND	<u>J4</u>	8.59	1	08/04/2020 16:56	WG1518685
MCPP	ND		8.59	1	08/04/2020 16:56	WG1518685
2,4,5-T	ND		0.0925	1	08/04/2020 16:56	WG1518685
2,4,5-TP (Silvex)	ND		0.0925	1	08/04/2020 16:56	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	51.9		22.0-132		08/04/2020 16:56	WG1518685

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

		Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte		mg/kg		mg/kg		date / time			
Aldrin		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Alpha BHC		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Beta BHC		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Delta BHC		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Gamma BHC		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Chlordane		ND		0.396	1	08/03/2020 09:23	WG1519139		
4,4-DDD		ND		0.0264	1	08/03/2020 09:23	WG1519139		
4,4-DDE		ND		0.0264	1	08/03/2020 09:23	WG1519139		
4,4-DDT		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Dieldrin		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endosulfan I		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endosulfan II		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endosulfan sulfate		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endrin		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endrin aldehyde		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Endrin ketone		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Hexachlorobenzene		ND		0.0264	1	08/03/2020 09:23	WG1519139		
Heptachlor		ND		0.0264	1	08/03/2020 09:23	WG1519139		
	ACCOUNT:			PROJE	CT:	SDG:		DATE/TIME:	PAG

J-158-01

L1244398

SE: 7 of 52

08/05/20 19:09

GP-1 collected date/time: 07/23/20 09:40 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 01

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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch				
Analyte	mg/kg		mg/kg		date / time					
Heptachlor epoxide	ND		0.0264	1	08/03/2020 09:23	WG1519139				
Methoxychlor	ND		0.0264	1	08/03/2020 09:23	WG1519139				
Toxaphene	ND		0.528	1	08/03/2020 09:23	WG1519139				
(S) Decachlorobiphenyl	69.1		10.0-135		08/03/2020 09:23	WG1519139				
(S) Tetrachloro-m-xylene	65.9		10.0-139		08/03/2020 09:23	WG1519139				

SDG: L1244398 DATE/TIME: 08/05/20 19:09

Collected date/time: 07/23/20 10:07

SAMPLE RESULTS - 02 L1244398



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	74.0		1	08/04/2020 09:34	WG1519459	Tc

Mercury by Method 7471A

Mercury by Method 7471A								
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time		4 Cn	
Mercury	ND		0.0541	1	07/30/2020 09:56	WG1517545		

Metals (ICP) by Method 6010B

Metals (ICP) by Method 6010B									
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg		date / time				
Arsenic	18.0		2.70	1	07/31/2020 11:02	WG1517493			
Barium	101		0.676	1	07/31/2020 11:02	WG1517493			
Cadmium	ND		0.676	1	07/31/2020 11:02	WG1517493			
Chromium	22.7		1.35	1	07/31/2020 11:02	WG1517493			
Lead	15.9		0.676	1	07/31/2020 11:02	WG1517493			
Selenium	ND		2.70	1	07/31/2020 11:02	WG1517493			
Silver	ND		1.35	1	07/31/2020 11:02	WG1517493			

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0946	1	08/04/2020 17:40	WG1518685
Dalapon	ND		0.0946	1	08/04/2020 17:40	WG1518685
2,4-DB	ND		0.0946	1	08/04/2020 17:40	WG1518685
Dicamba	ND		0.0946	1	08/04/2020 17:40	WG1518685
Dichloroprop	ND		0.0946	1	08/04/2020 17:40	WG1518685
Dinoseb	ND		0.0946	1	08/04/2020 17:40	WG1518685
MCPA	ND	<u>J4</u>	8.78	1	08/04/2020 17:40	WG1518685
MCPP	ND		8.78	1	08/04/2020 17:40	WG1518685
2,4,5-T	ND		0.0946	1	08/04/2020 17:40	WG1518685
2,4,5-TP (Silvex)	ND		0.0946	1	08/04/2020 17:40	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	44.6		22.0-132		08/04/2020 17:40	WG1518685

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

		Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte		mg/kg		mg/kg		date / time			
Aldrin		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Alpha BHC		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Beta BHC		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Delta BHC		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Gamma BHC		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Chlordane		ND		0.405	1	08/03/2020 09:35	WG1519139		
4,4-DDD		ND		0.0270	1	08/03/2020 09:35	WG1519139		
4,4-DDE		ND		0.0270	1	08/03/2020 09:35	WG1519139		
4,4-DDT		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Dieldrin		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endosulfan I		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endosulfan II		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endosulfan sulfate		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endrin		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endrin aldehyde		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Endrin ketone		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Hexachlorobenzene		ND		0.0270	1	08/03/2020 09:35	WG1519139		
Heptachlor		ND		0.0270	1	08/03/2020 09:35	WG1519139		
	ACCOUNT:			PROJECT	:	SDG:		DATE/TIME:	PAG

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SAMPLE RESULTS - 02



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Pesticides (GC) by Method 8081	

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	Ср
Analyte	mg/kg		mg/kg		date / time		
Heptachlor epoxide	ND		0.0270	1	08/03/2020 09:35	WG1519139	² Tc
Methoxychlor	ND		0.0270	1	08/03/2020 09:35	WG1519139	
Toxaphene	ND		0.541	1	08/03/2020 09:35	WG1519139	3_
(S) Decachlorobiphenyl	56.8		10.0-135		08/03/2020 09:35	WG1519139	Ss
(S) Tetrachloro-m-xylene	69.8		10.0-139		08/03/2020 09:35	WG1519139	
							⁴ Cn
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SDG: L1244398

Collected date/time: 07/23/20 11:03

SAMPLE RESULTS - 03



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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	84.7		1	08/04/2020 09:34	WG1519459	Tc

Mercury by Method 7471A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Mercury	ND		0.0472	1	07/30/2020 09:35	WG1517545

Metals (ICP) by Method 6010B

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		٦Ŭ
Arsenic	4.07		2.36	1	07/31/2020 10:36	WG1517493	
Barium	79.7		0.590	1	07/31/2020 10:36	WG1517493	7
Cadmium	ND		0.590	1	07/31/2020 10:36	WG1517493	0
Chromium	16.0		1.18	1	07/31/2020 10:36	WG1517493	8
Lead	7.62		0.590	1	07/31/2020 10:36	WG1517493	A
Selenium	ND		2.36	1	07/31/2020 10:36	WG1517493	
Silver	ND		1.18	1	07/31/2020 10:36	WG1517493	°S

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0826	1	08/04/2020 18:39	WG1518685
Dalapon	ND		0.0826	1	08/04/2020 18:39	WG1518685
2,4-DB	ND		0.0826	1	08/04/2020 18:39	WG1518685
Dicamba	ND		0.0826	1	08/04/2020 18:39	WG1518685
Dichloroprop	ND		0.0826	1	08/04/2020 18:39	WG1518685
Dinoseb	ND		0.0826	1	08/04/2020 18:39	WG1518685
MCPA	ND	<u>J4</u>	7.67	1	08/04/2020 18:39	WG1518685
MCPP	ND		7.67	1	08/04/2020 18:39	WG1518685
2,4,5-T	ND		0.0826	1	08/04/2020 18:39	WG1518685
2,4,5-TP (Silvex)	ND		0.0826	1	08/04/2020 18:39	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	46.1		22.0-132		08/04/2020 18:39	WG1518685

Pesticides (GC) by Method 8081

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Aldrin	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Alpha BHC	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Beta BHC	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Delta BHC	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Gamma BHC	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Chlordane	ND		0.354	1	08/03/2020 09:47	WG1519139		
4,4-DDD	ND		0.0236	1	08/03/2020 09:47	WG1519139		
4,4-DDE	ND		0.0236	1	08/03/2020 09:47	WG1519139		
4,4-DDT	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Dieldrin	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endosulfan I	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endosulfan II	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endosulfan sulfate	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endrin	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endrin aldehyde	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Endrin ketone	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Hexachlorobenzene	ND		0.0236	1	08/03/2020 09:47	WG1519139		
Heptachlor	ND		0.0236	1	08/03/2020 09:47	WG1519139		
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Alpine Environmental, Inc.

J-158-01

L1244398

DATE/TIME: 08/05/20 19:09

11 of 52

GP-3 collected date/time: 07/23/20 11:03 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 03

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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Heptachlor epoxide	ND		0.0236	1	08/03/2020 09:47	WG1519139
Methoxychlor	ND		0.0236	1	08/03/2020 09:47	<u>WG1519139</u>
Toxaphene	ND		0.472	1	08/03/2020 09:47	<u>WG1519139</u>
(S) Decachlorobiphenyl	77.7		10.0-135		08/03/2020 09:47	<u>WG1519139</u>
(S) Tetrachloro-m-xylene	84.8		10.0-139		08/03/2020 09:47	WG1519139

SDG: L1244398

Collected date/time: 07/23/20 11:28

SAMPLE RESULTS - 04 L1244398



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	85.3		1	08/04/2020 09:34	<u>WG1519459</u>	Tc

Mercury by Method 7471A

Mercury by Met	thod 7471A						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4 Cn
Mercury	ND		0.0469	1	07/30/2020 09:59	WG1517545	CII

Metals (ICP) by Method 6010B

Metals (ICP) by N	Method 6010B						
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Arsenic	12.9		2.35	1	07/31/2020 11:05	<u>WG1517493</u>	
Barium	100		0.586	1	07/31/2020 11:05	<u>WG1517493</u>	
Cadmium	ND		0.586	1	07/31/2020 11:05	WG1517493	
Chromium	18.1		1.17	1	07/31/2020 11:05	<u>WG1517493</u>	
Lead	19.7		0.586	1	07/31/2020 11:05	WG1517493	
Selenium	ND		2.35	1	07/31/2020 11:05	<u>WG1517493</u>	
Silver	ND		1.17	1	07/31/2020 11:05	WG1517493	

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0821	1	08/04/2020 18:53	WG1518685
Dalapon	ND		0.0821	1	08/04/2020 18:53	WG1518685
2,4-DB	ND		0.0821	1	08/04/2020 18:53	WG1518685
Dicamba	ND		0.0821	1	08/04/2020 18:53	WG1518685
Dichloroprop	ND		0.0821	1	08/04/2020 18:53	WG1518685
Dinoseb	ND		0.0821	1	08/04/2020 18:53	WG1518685
MCPA	ND	<u>J4</u>	7.62	1	08/04/2020 18:53	WG1518685
MCPP	ND		7.62	1	08/04/2020 18:53	WG1518685
2,4,5-T	ND		0.0821	1	08/04/2020 18:53	WG1518685
2,4,5-TP (Silvex)	ND		0.0821	1	08/04/2020 18:53	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	46.0		22.0-132		08/04/2020 18:53	WG1518685

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Aldrin	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Alpha BHC	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Beta BHC	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Delta BHC	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Gamma BHC	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Chlordane	ND		0.352	1	08/03/2020 10:00	WG1519139		
4,4-DDD	ND		0.0235	1	08/03/2020 10:00	WG1519139		
4,4-DDE	ND		0.0235	1	08/03/2020 10:00	WG1519139		
4,4-DDT	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Dieldrin	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endosulfan I	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endosulfan II	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endosulfan sulfate	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endrin	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endrin aldehyde	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Endrin ketone	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Hexachlorobenzene	ND		0.0235	1	08/03/2020 10:00	WG1519139		
Heptachlor	ND		0.0235	1	08/03/2020 10:00	WG1519139		
ACCOUNT:			PROJEC	CT:	SDG:		DATE/TIME:	PAG

J-158-01

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SE: 13 of 52

GP-4

Collected date/time: 07/23/20 11:28 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 04



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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Heptachlor epoxide	ND		0.0235	1	08/03/2020 10:00	WG1519139
Methoxychlor	ND		0.0235	1	08/03/2020 10:00	WG1519139
Toxaphene	ND		0.469	1	08/03/2020 10:00	WG1519139
(S) Decachlorobiphenyl	78.5		10.0-135		08/03/2020 10:00	WG1519139
(S) Tetrachloro-m-xylene	88.4		10.0-139		08/03/2020 10:00	WG1519139

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SDG: L1244398 DATE/TIME: 08/05/20 19:09

Collected date/time: 07/23/20 14:10

SAMPLE RESULTS - 05 L1244398



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	78.0		1	08/04/2020 09:34	WG1519459	Tc

Mercury by Method 7471A

Mercury by Method 7471	Д						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4 Cn
Mercury	ND		0.0513	1	07/30/2020 10:01	WG1517545	CII

Metals (ICP) by Method 6010B

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		Ĭ
Arsenic	ND		2.56	1	07/31/2020 11:08	WG1517493	
Barium	62.6		0.641	1	07/31/2020 11:08	WG1517493	7
Cadmium	ND		0.641	1	07/31/2020 11:08	WG1517493	
Chromium	15.7		1.28	1	07/31/2020 11:08	WG1517493	8
Lead	6.66		0.641	1	07/31/2020 11:08	WG1517493	Ĩ.
Selenium	ND		2.56	1	07/31/2020 11:08	<u>WG1517493</u>	
Silver	ND		1.28	1	07/31/2020 11:08	WG1517493	⁹ c

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0898	1	08/04/2020 19:08	WG1518685
Dalapon	ND		0.0898	1	08/04/2020 19:08	WG1518685
2,4-DB	ND		0.0898	1	08/04/2020 19:08	WG1518685
Dicamba	ND		0.0898	1	08/04/2020 19:08	WG1518685
Dichloroprop	ND		0.0898	1	08/04/2020 19:08	WG1518685
Dinoseb	ND		0.0898	1	08/04/2020 19:08	WG1518685
MCPA	ND	J4	8.33	1	08/04/2020 19:08	WG1518685
MCPP	ND		8.33	1	08/04/2020 19:08	WG1518685
2,4,5-T	ND		0.0898	1	08/04/2020 19:08	WG1518685
2,4,5-TP (Silvex)	ND		0.0898	1	08/04/2020 19:08	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	47.0		22.0-132		08/04/2020 19:08	WG1518685

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Aldrin	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
Alpha BHC	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Beta BHC	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Delta BHC	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Gamma BHC	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Chlordane	ND		0.385	1	08/03/2020 10:12	WG1519139	
4,4-DDD	ND		0.0256	1	08/03/2020 10:12	WG1519139	
4,4-DDE	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
4,4-DDT	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Dieldrin	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
Endosulfan I	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Endosulfan II	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
Endosulfan sulfate	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Endrin	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
Endrin aldehyde	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Endrin ketone	ND		0.0256	1	08/03/2020 10:12	<u>WG1519139</u>	
Hexachlorobenzene	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Heptachlor	ND		0.0256	1	08/03/2020 10:12	WG1519139	
ACCOUNT:			PROJECT:		SDG:	DATE/TIME:	PAG

J-158-01

L1244398

SE: 15 of 52

08/05/20 19:09

GP-5 collected date/time: 07/23/20 14:10 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 05

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Pesticides (GC) by in	Method 8081						
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Heptachlor epoxide	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Methoxychlor	ND		0.0256	1	08/03/2020 10:12	WG1519139	
Toxaphene	ND		0.513	1	08/03/2020 10:12	WG1519139	
(S) Decachlorobiphenyl	44.4		10.0-135		08/03/2020 10:12	WG1519139	
(S) Tetrachloro-m-xylene	53.9		10.0-139		08/03/2020 10:12	WG1519139	

SDG: L1244398

Collected date/time: 07/24/20 08:32

SAMPLE RESULTS - 06



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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	76.4		1	08/04/2020 09:34	WG1519459	Tc

Mercury by Method 7471A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Mercury	ND		0.0524	1	07/30/2020 10:04	WG1517545

Metals (ICP) by Method 6010B

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		ČQc
Arsenic	2.78		2.62	1	07/31/2020 11:10	WG1517493	
Barium	56.1		0.654	1	07/31/2020 11:10	WG1517493	
Cadmium	ND		0.654	1	07/31/2020 11:10	WG1517493	
Chromium	12.3		1.31	1	07/31/2020 11:10	WG1517493	8
Lead	7.00		0.654	1	07/31/2020 11:10	WG1517493	ĬAĬ
Selenium	ND		2.62	1	07/31/2020 11:10	WG1517493	
Silver	ND		1.31	1	07/31/2020 11:10	WG1517493	9 50

Chlorinated Acid Herbicides (GC) by Method 8151

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
2,4-D	ND		0.0916	1	08/04/2020 19:22	WG1518685
Dalapon	ND		0.0916	1	08/04/2020 19:22	WG1518685
2,4-DB	ND		0.0916	1	08/04/2020 19:22	WG1518685
Dicamba	ND		0.0916	1	08/04/2020 19:22	WG1518685
Dichloroprop	ND		0.0916	1	08/04/2020 19:22	WG1518685
Dinoseb	ND		0.0916	1	08/04/2020 19:22	WG1518685
MCPA	ND	<u>J4</u>	8.51	1	08/04/2020 19:22	WG1518685
MCPP	ND		8.51	1	08/04/2020 19:22	WG1518685
2,4,5-T	ND		0.0916	1	08/04/2020 19:22	WG1518685
2,4,5-TP (Silvex)	ND		0.0916	1	08/04/2020 19:22	WG1518685
(S) 2,4-Dichlorophenyl Acetic Acid	40.9		22.0-132		08/04/2020 19:22	WG1518685

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

()) j								
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Aldrin	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Alpha BHC	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Beta BHC	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Delta BHC	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Gamma BHC	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Chlordane	ND		0.393	1	08/03/2020 17:50	WG1519139		
4,4-DDD	ND		0.0262	1	08/03/2020 17:50	WG1519139		
4,4-DDE	ND		0.0262	1	08/03/2020 17:50	WG1519139		
4,4-DDT	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Dieldrin	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endosulfan I	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endosulfan II	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endosulfan sulfate	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endrin	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endrin aldehyde	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Endrin ketone	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Hexachlorobenzene	ND		0.0262	1	08/03/2020 17:50	WG1519139		
Heptachlor	ND		0.0262	1	08/03/2020 17:50	WG1519139		
ACCOU	NT:		PROJE	CT:	SDG:		DATE/TIME:	PAG

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GP-6 collected date/time: 07/24/20 08:32 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 06

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Pesticides (GC) by M	Pesticides (GC) by Method 8081											
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch						
Analyte	mg/kg		mg/kg		date / time							
Heptachlor epoxide	ND		0.0262	1	08/03/2020 17:50	<u>WG1519139</u>						
Methoxychlor	ND		0.0262	1	08/03/2020 17:50	<u>WG1519139</u>						
Toxaphene	ND		0.524	1	08/03/2020 17:50	<u>WG1519139</u>						
(S) Decachlorobiphenyl	56.0		10.0-135		08/03/2020 17:50	<u>WG1519139</u>						
(S) Tetrachloro-m-xylene	65.2		10.0-139		08/03/2020 17:50	WG1519139						

SDG: L1244398 DATE/TIME: 08/05/20 19:09

Collected date/time: 07/28/20 10:54

SAMPLE RESULTS - 07 L1244398

Wet Chemistry by Method 9056A

	Result	Qualifier	RDL	Dilution	Analysis	Batch	 Cp
Analyte	mg/l		mg/l		date / time		2
Nitrate	ND		0.100	1	07/29/2020 19:29	WG1517076	Tc
Mercury by Meth	nod 7470A						³ Ss

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Mercury	ND		0.000200	1	07/30/2020 09:15	WG1517339	CII

Metals (ICP) by Method 6010B

Metals (ICP) by Method 6010B										
	Result	Qualifier	RDL	Dilution	Analysis	Batch				
Analyte	mg/l		mg/l		date / time		ိုင္ရင			
Arsenic	0.0188		0.0100	1	07/31/2020 18:15	<u>WG1517391</u>				
Barium	0.109	01	0.00500	1	07/31/2020 18:15	<u>WG1517391</u>	7 Gl			
Cadmium	ND		0.00200	1	07/31/2020 18:15	WG1517391				
Chromium	ND		0.0100	1	07/31/2020 18:15	<u>WG1517391</u>	8			
Lead	ND		0.00600	1	07/31/2020 18:15	WG1517391	Ă			
Selenium	ND		0.0100	1	07/31/2020 18:15	<u>WG1517391</u>				
Silver	ND		0.00500	1	07/31/2020 18:15	WG1517391	°Sc			

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 18:09	WG1517537
Dalapon	ND		0.00200	1	07/30/2020 18:09	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 18:09	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 18:09	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 18:09	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 18:09	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 18:09	WG1517537
MCPP	ND		0.100	1	07/30/2020 18:09	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 18:09	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 18:09	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	51.3		14.0-158		07/30/2020 18:09	WG1517537

Pesticides (GC) by Method 8081

Alpine Environmental, Inc.

	Desult	Qualifian		Dilution	Analysis	Datah		
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			
Aldrin	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Alpha BHC	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Beta BHC	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Delta BHC	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Gamma BHC	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Chlordane	ND		0.00500	1	08/02/2020 12:41	WG1518880		
4,4-DDD	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
4,4-DDE	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
4,4-DDT	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Dieldrin	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endosulfan I	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endosulfan II	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endosulfan sulfate	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endrin	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endrin aldehyde	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Endrin ketone	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Hexachlorobenzene	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
Heptachlor	ND		0.0000500	1	08/02/2020 12:41	WG1518880		
^	COUNT			CT.	SDC:			PAG
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08/05/20 19:09

SE: 19 of 52
GP-1 Collected date/time: 07/28/20 10:54 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 07 L1244398

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		
Heptachlor epoxide	ND		0.0000500	1	08/02/2020 12:41	WG1518880	^{2}Tc
Methoxychlor	ND		0.0000500	1	08/02/2020 12:41	WG1518880	
Toxaphene	ND		0.000500	1	08/02/2020 12:41	WG1518880	3
(S) Decachlorobiphenyl	51.3		10.0-128		08/02/2020 12:41	WG1518880	Ss
(S) Tetrachloro-m-xylene	78.8		10.0-127		08/02/2020 12:41	WG1518880	

SDG: L1244398

Collected date/time: 07/28/20 11:14

SAMPLE RESULTS - 08 L1244398



Wet Chemistry by Method 9056A

Result Qualifier RDI Dilution Analysis Batch									
Analyte	mg/l	Guanner	mg/l	Dilution	date / time	Datem			
Nitrate	6.07		0.500	5	07/29/2020 16:12	WG1517076		² Tc	
Mercury by Meth	nod 7470A							³ Ss	

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Mercury	ND		0.000200	1	07/30/2020 09:17	WG1517339	

Metals (ICP) by Method 6010B

	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		[°] Qc
Arsenic	0.0320		0.0100	1	07/31/2020 18:26	<u>WG1517391</u>	
Barium	0.135		0.00500	1	07/31/2020 18:26	<u>WG1517391</u>	
Cadmium	ND		0.00200	1	07/31/2020 18:26	<u>WG1517391</u>	0
Chromium	0.0214		0.0100	1	07/31/2020 18:26	<u>WG1517391</u>	8
Lead	0.0217		0.00600	1	07/31/2020 18:26	WG1517391	A
Selenium	ND		0.0100	1	07/31/2020 18:26	<u>WG1517391</u>	
Silver	ND		0.00500	1	07/31/2020 18:26	WG1517391	9

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 18:24	WG1517537
Dalapon	ND		0.00200	1	07/30/2020 18:24	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 18:24	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 18:24	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 18:24	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 18:24	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 18:24	WG1517537
MCPP	ND		0.100	1	07/30/2020 18:24	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 18:24	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 18:24	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	45.6		14.0-158		07/30/2020 18:24	WG1517537

Pesticides (GC) by Method 8081

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Aldrin	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Alpha BHC	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Beta BHC	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Delta BHC	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Gamma BHC	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Chlordane	ND		0.00500	1	08/02/2020 12:54	WG1518880
4,4-DDD	ND		0.0000500	1	08/02/2020 12:54	WG1518880
4,4-DDE	ND		0.0000500	1	08/02/2020 12:54	WG1518880
4,4-DDT	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Dieldrin	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endosulfan I	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endosulfan II	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endosulfan sulfate	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endrin	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endrin aldehyde	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Endrin ketone	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Hexachlorobenzene	ND		0.0000500	1	08/02/2020 12:54	WG1518880
Heptachlor	ND		0.0000500	1	08/02/2020 12:54	<u>WG1518880</u>
ACCOUNT:			PROJEC	CT:	SDG:	DATE/TIME: PAG
Alpine Environmental	, Inc.		J-158-0	01	L1244398	08/05/20 19:09 21 of

SE: 21 of 52

GP-2 collected date/time: 07/28/20 11:14 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 08

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
analyte	mg/l		mg/l		date / time		
leptachlor epoxide	ND		0.0000500	1	08/02/2020 12:54	<u>WG1518880</u>	
flethoxychlor	ND		0.0000500	1	08/02/2020 12:54	<u>WG1518880</u>	
oxaphene	ND		0.000500	1	08/02/2020 12:54	<u>WG1518880</u>	
(S) Decachlorobiphenyl	50.9		10.0-128		08/02/2020 12:54	<u>WG1518880</u>	
(S) Tetrachloro-m-xylene	82.7		10.0-127		08/02/2020 12:54	WG1518880	

SDG: L1244398

Collected date/time: 07/28/20 11:49

SAMPLE RESULTS - 09 L1244398

Wet Chemistry by Method 9056A

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Nitrate	1.91		0.100	1	07/29/2020 20:02	<u>WG1517076</u>	ĹΤ.
Mercury by Met	thod 7470A						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Mercury	ND		0.000200	1	07/30/2020 09:19	WG1517339	

Mercury by Method 7470A

	Result	Qualifier	RDL	Dilution	Analysis	Batch	_
Analyte	mg/l		mg/l		date / time		4
Mercury	ND		0.000200	1	07/30/2020 09:19	<u>WG1517339</u>	

Metals (ICP) by Method 6010B

mereary	115		0.000200	•	01/00/2020 00110		
Metals (ICP) by M	lethod 6010B						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	 6
Analyte	mg/l		mg/l		date / time		[°] Qc
Arsenic	ND		0.0100	1	07/31/2020 18:29	WG1517391	
Barium	0.0724		0.00500	1	07/31/2020 18:29	WG1517391	
Cadmium	ND		0.00200	1	07/31/2020 18:29	WG1517391	
Chromium	ND		0.0100	1	07/31/2020 18:29	WG1517391	8
Lead	ND		0.00600	1	07/31/2020 18:29	WG1517391	A
Selenium	ND		0.0100	1	07/31/2020 18:29	WG1517391	
Silver	ND		0.00500	1	07/31/2020 18:29	WG1517391	⁹ SC

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 18:39	WG1517537
Dalapon	ND		0.00200	1	07/30/2020 18:39	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 18:39	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 18:39	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 18:39	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 18:39	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 18:39	WG1517537
MCPP	ND		0.100	1	07/30/2020 18:39	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 18:39	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 18:39	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	53.6		14.0-158		07/30/2020 18:39	WG1517537

Pesticides (GC) by Method 8081

	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			
Aldrin	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Alpha BHC	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Beta BHC	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Delta BHC	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Gamma BHC	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Chlordane	ND		0.00500	1	08/02/2020 13:06	WG1518880		
4,4-DDD	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
4,4-DDE	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
4,4-DDT	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Dieldrin	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endosulfan I	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endosulfan II	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endosulfan sulfate	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endrin	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endrin aldehyde	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Endrin ketone	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Hexachlorobenzene	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
Heptachlor	ND		0.0000500	1	08/02/2020 13:06	WG1518880		
ACCOUNT:			PROJE	ECT:	SDG:		DATE/TIME:	PAG
Alpine Environment	al, Inc.		J-158	-01	L1244398		08/05/20 19:09	23 of

SE: 23 of 52

GP-3 Collected date/time: 07/28/20 11:49 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 09 L1244398

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	 Cp
Analyte	mg/l		mg/l		date / time		
Heptachlor epoxide	ND		0.0000500	1	08/02/2020 13:06	WG1518880	^{2}Tc
Methoxychlor	ND		0.0000500	1	08/02/2020 13:06	WG1518880	
Toxaphene	ND		0.000500	1	08/02/2020 13:06	WG1518880	3
(S) Decachlorobiphenyl	48.2		10.0-128		08/02/2020 13:06	WG1518880	Ss
(S) Tetrachloro-m-xylene	81.9		10.0-127		08/02/2020 13:06	WG1518880	

SDG: L1244398

Collected date/time: 07/28/20 12:10

SAMPLE RESULTS - 10 L1244398



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Wet Chemistry by Method 9056A

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		Result	Qualifier	RDL	Dilution	Analysis	Batch	Cp
Analyte		mg/l		mg/l		date / time		2
Nitrate		2.18		0.100	1	07/29/2020 20:18	WG1517076	Tc

Mercury by Method 7470A

Mercury by Method 7470A										
Result <u>Qualifier</u> RDL Dilution Analysis <u>Batch</u>										
Analyte	mg/l		mg/l		date / time		⁴ Cn			
Mercury	ND		0.000200	1	07/31/2020 09:14	WG1517984				

Metals (ICP) by Method 6010B

	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ČQc
Arsenic	0.109		0.0100	1	07/31/2020 18:32	WG1517391	
Barium	0.503		0.00500	1	07/31/2020 18:32	WG1517391	
Cadmium	0.00879		0.00200	1	07/31/2020 18:32	WG1517391	
Chromium	0.170		0.0100	1	07/31/2020 18:32	WG1517391	8
Lead	0.211		0.00600	1	07/31/2020 18:32	WG1517391	Ă
Selenium	0.0222		0.0100	1	07/31/2020 18:32	WG1517391	
Silver	ND		0.00500	1	07/31/2020 18:32	WG1517391	⁹ Sc

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 18:54	<u>WG1517537</u>
Dalapon	ND		0.00200	1	07/30/2020 18:54	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 18:54	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 18:54	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 18:54	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 18:54	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 18:54	WG1517537
MCPP	ND		0.100	1	07/30/2020 18:54	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 18:54	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 18:54	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	54.0		14.0-158		07/30/2020 18:54	WG1517537

Pesticides (GC) by Method 8081

	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			
Aldrin	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Alpha BHC	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Beta BHC	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Delta BHC	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Gamma BHC	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Chlordane	ND		0.00500	1	08/02/2020 13:19	WG1518880		
4,4-DDD	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
4,4-DDE	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
4,4-DDT	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Dieldrin	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endosulfan I	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endosulfan II	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endosulfan sulfate	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endrin	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endrin aldehyde	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Endrin ketone	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Hexachlorobenzene	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
Heptachlor	ND		0.0000500	1	08/02/2020 13:19	WG1518880		
ACCOUNT:			PROJE	ECT:	SDG:		DATE/TIME:	PAG
Alpine Environment	al, Inc.		J-158	-01	L1244398		08/05/20 19:09	25 of

SE: 25 of 52

GP-4

Collected date/time: 07/28/20 12:10 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 10 L1244398

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Heptachlor epoxide	ND		0.0000500	1	08/02/2020 13:19	WG1518880	
Methoxychlor	ND		0.0000500	1	08/02/2020 13:19	<u>WG1518880</u>	
Toxaphene	ND		0.000500	1	08/02/2020 13:19	WG1518880	
(S) Decachlorobiphenyl	49.7		10.0-128		08/02/2020 13:19	<u>WG1518880</u>	
(S) Tetrachloro-m-xylene	81.8		10.0-127		08/02/2020 13:19	WG1518880	

Collected date/time: 07/28/20 12:47

SAMPLE RESULTS - 11 L1244398

Wet Chemistry by Method 9056A

	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Nitrate	0.434		0.100	1	07/29/2020 20:35	WG1517076	² Tc
Mercury by Me	thod 7470A						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Mercury	ND		0.000200	1	07/30/2020 09:21	WG1517339	

Mercury by Method 7470A

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Mercury	ND		0.000200	1	07/30/2020 09:21	WG1517339

Metals (ICP) by Method 6010B

Metals (ICP) by Method 6010B											
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6				
Analyte	mg/l		mg/l		date / time		ိုင္ရင				
Arsenic	ND		0.0100	1	07/31/2020 18:34	<u>WG1517391</u>					
Barium	0.203		0.00500	1	07/31/2020 18:34	<u>WG1517391</u>	7				
Cadmium	ND		0.00200	1	07/31/2020 18:34	<u>WG1517391</u>	01				
Chromium	0.0217		0.0100	1	07/31/2020 18:34	<u>WG1517391</u>	8				
Lead	0.0120		0.00600	1	07/31/2020 18:34	<u>WG1517391</u>	Ă				
Selenium	ND		0.0100	1	07/31/2020 18:34	<u>WG1517391</u>					
Silver	ND		0.00500	1	07/31/2020 18:34	WG1517391	⁹ Sc				

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 19:09	WG1517537
Dalapon	ND		0.00200	1	07/30/2020 19:09	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 19:09	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 19:09	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 19:09	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 19:09	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 19:09	WG1517537
MCPP	ND		0.100	1	07/30/2020 19:09	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 19:09	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 19:09	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	52.6		14.0-158		07/30/2020 19:09	WG1517537

Pesticides (GC) by Method 8081

	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			
Aldrin	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Alpha BHC	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Beta BHC	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Delta BHC	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Gamma BHC	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Chlordane	ND		0.00500	1	08/01/2020 08:20	WG1518502		
4,4-DDD	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
4,4-DDE	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
4,4-DDT	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Dieldrin	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endosulfan I	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endosulfan II	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endosulfan sulfate	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endrin	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endrin aldehyde	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Endrin ketone	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Hexachlorobenzene	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
Heptachlor	ND		0.0000500	1	08/01/2020 08:20	WG1518502		
ACCOUNT:			PROJEC	CT:	SDG:		DATE/TIME:	PAG
Alpine Environmental	, Inc.		J-158-0	01	L1244398		08/05/20 19:09	27 of

SE: 27 of 52

GP-5 Collected date/time: 07/28/20 12:47 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 11

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Heptachlor epoxide	ND		0.0000500	1	08/01/2020 08:20	<u>WG1518502</u>	
Methoxychlor	ND		0.0000500	1	08/01/2020 08:20	<u>WG1518502</u>	
Toxaphene	ND		0.000500	1	08/01/2020 08:20	WG1518502	
(S) Decachlorobiphenyl	34.3		10.0-128		08/01/2020 08:20	<u>WG1518502</u>	
(S) Tetrachloro-m-xylene	76.0		10.0-127		08/01/2020 08:20	WG1518502	

³ Ss ⁴ Cn ⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
Ss ⁴ Cn ⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
⁴ Cn ⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
[₹] Cn ⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
⁵ Sr ⁶ Qc ⁷ Gl ⁸ Al
⁶ Qc ⁷ Gl ⁸ Al
°Qc ⁷ Gl ⁸ Al
⁷ Gl ⁸ Al
⁸ Al
⁸ Al
⁸ Al

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SDG: L1244398

Collected date/time: 07/28/20 13:11

SAMPLE RESULTS - 12 L1244398

Wet Chemistry by Method 9056A

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Nitrate	ND		0.100	1	07/29/2020 20:51	WG1517076	Tc
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Mercury by Method 7470A

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Mercury by Met	thod 7470A						³ Ss	
	Result	Qualifier	RDL	Dilution	Analysis	Batch		I.
Analyte	mg/l		mg/l		date / time		4 Cn	
Mercury	ND		0.000200	1	07/30/2020 09:23	WG1517339	СП	I
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Metals (ICP) by Method 6010B

Metals (ICP) by N	lethod 6010B						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	 6
Analyte	mg/l		mg/l		date / time		[°] Qc
Arsenic	0.0153		0.0100	1	07/31/2020 18:43	WG1517391	
Barium	0.517		0.00500	1	07/31/2020 18:43	WG1517391	
Cadmium	ND		0.00200	1	07/31/2020 18:43	WG1517391	01
Chromium	0.0651		0.0100	1	07/31/2020 18:43	WG1517391	8
Lead	0.0489		0.00600	1	07/31/2020 18:43	WG1517391	٦A
Selenium	ND		0.0100	1	07/31/2020 18:43	WG1517391	
Silver	ND		0.00500	1	07/31/2020 18:43	WG1517391	⁹ Sc

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
2,4-D	ND		0.00200	1	07/30/2020 19:53	WG1517537
Dalapon	ND		0.00200	1	07/30/2020 19:53	WG1517537
2,4-DB	ND		0.00200	1	07/30/2020 19:53	WG1517537
Dicamba	ND		0.00200	1	07/30/2020 19:53	WG1517537
Dichloroprop	ND		0.00200	1	07/30/2020 19:53	WG1517537
Dinoseb	ND		0.00200	1	07/30/2020 19:53	WG1517537
MCPA	ND	<u>J4</u>	0.100	1	07/30/2020 19:53	WG1517537
MCPP	ND		0.100	1	07/30/2020 19:53	WG1517537
2,4,5-T	ND		0.00200	1	07/30/2020 19:53	WG1517537
2,4,5-TP (Silvex)	ND		0.00200	1	07/30/2020 19:53	WG1517537
(S) 2,4-Dichlorophenyl Acetic Acid	46.8		14.0-158		07/30/2020 19:53	WG1517537

Pesticides (GC) by Method 8081

	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			
Aldrin	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Alpha BHC	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Beta BHC	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Delta BHC	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Gamma BHC	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Chlordane	ND		0.00500	1	08/01/2020 08:32	WG1518502		
4,4-DDD	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
4,4-DDE	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
4,4-DDT	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Dieldrin	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endosulfan I	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endosulfan II	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endosulfan sulfate	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endrin	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endrin aldehyde	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Endrin ketone	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Hexachlorobenzene	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
Heptachlor	ND		0.0000500	1	08/01/2020 08:32	WG1518502		
ACCOUNT:			PROJE	CT:	SDG:		DATE/TIME:	PAG
Alpine Environmenta	l, Inc.		J-158-	D1	L1244398		08/05/20 19:09	29 of

SE: 29 of 52

GP-6 collected date/time: 07/28/20 13:11 Pesticides (GC) by Method 8081

SAMPLE RESULTS - 12

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		
Heptachlor epoxide	ND		0.0000500	1	08/01/2020 08:32	WG1518502	2 TC
Methoxychlor	ND		0.0000500	1	08/01/2020 08:32	WG1518502	
Toxaphene	ND		0.000500	1	08/01/2020 08:32	WG1518502	3
(S) Decachlorobiphenyl	36.2		10.0-128		08/01/2020 08:32	WG1518502	Ss
(S) Tetrachloro-m-xylene	82.3		10.0-127		08/01/2020 08:32	WG1518502	

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⁴ Cn
⁵Sr
⁶ Qc
⁷ Gl
⁸ Al
°Sc

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY L1244398-01,02,03,04,05,06

⁺Cn

Sr

Qc

Gl

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Sc

Method Blank (MB)

Method Dialik						20
(MB) R3556384-1	08/04/20 09:34					-P
	MB Result	MB Qualifier	MB MDL	MB RDL	2	
Analyte	%		%	%		Ċ
Total Solids	0.000					
					³ S:	s

L1244398-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1244398-05 08/04	/20 09:34 • (DU	P) R3556384	3 08/04/2	20 09:34		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	78.0	79.3	1	1.73		10

Laboratory Control Sample (LCS)

(LCS) R3556384-2 08/0	04/20 09:34				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 31 of 52

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY L1244398-07,08,09,10,11,12

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Method Blank (MB)

(MB) R3554619-1 07/29/20	0.08.32			
(0 00.02			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrato	11		0.0480	0 100

L1244398-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1244398-07 07/29/2	20 19:29 • (DUF	P) R3554619-6	07/29/20) 19:45		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate	ND	ND	1	0.000		15

L1244402-11 Original Sample (OS) • Duplicate (DUP)

L1244402-11 Origin	al Sample (OS) • Dupl	icate (E	OUP)			GI
(OS) L1244402-11 07/30/2	0 01:30 • (DUP)	R3554619-9	07/30/20	01:46			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	⁸ Al
Analyte	mg/l	mg/l		%		%	
Nitrate	ND	ND	1	0.000		15	°Sc

Laboratory Control Sample (LCS)

(LCS) R3554619-2 07/29/2	0 08:48				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Nitrate	8.00	8.08	101	80.0-120	

L1244402-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244402-01 07/29/2	0 16:45 • (MS) I	R3554619-4 0	7/29/20 17:18 •	(MSD) R35546	19-5 07/29/20	17:34						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate	5.00	1.03	6.14	6.18	102	103	1	80.0-120			0.713	15

L1244402-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1244402-12 07/30/2	0 02:03 • (MS)	R3554619-8 C	7/30/20 02:19				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate	5.00	ND	4.84	96.9	1	80.0-120	

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Alpine Environmental, Inc.	J-158-01	L1244398	08/05/20 19:09	32 of 52

Mercury by Method 7470A

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Method Blank (MB)

(MB) R3554688-1 07/30/	20 08:47			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3554688-2 07/30	/20 08:49				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Mercury	0.00300	0.00316	105	80.0-120	

L1244537-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244537-11 07/30/20	08:51 • (MS) R	3554688-3 0	7/30/20 08:53	• (MSD) R3554	688-4 07/30/2	20 08:55						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	ND	0.00314	0.00320	105	107	1	75.0-125			1.96	20

SDG: L1244398

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3555097-1 07/31/20	09:04			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Mercury	U		0.000100	0.000200

Laboratory Control Sample (LCS)

(LCS) R3555097-2 07/31/	/20 09:06				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Mercury	0.00300	0.00312	104	80 0-120	

L1244614-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

DS) L1244614-01 07/31/20 09:08 • (MS) R3555097-3 07/31/20 09:10 • (MSD) R3555097-4 07/31/20 09:12												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	ND	0.00337	0.00340	112	113	1	75.0-125			0.913	20

SDG: L1244398

Mercury by Method 7471A

QUALITY CONTROL SUMMARY

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Method Blank (MB)

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(MB) R3554752-1	07/30/20 09:30					Ср
	MB Result	MB Qualifier	MB MDL	MB RDL		2
Analyte	mg/kg		mg/kg	mg/kg		Тс
Mercury	U		0.0180	0.0400		
					3	^³ Ss

Laboratory Control Sample (LCS)

(LCS) R3554752-2 07/30/20 09:33							
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			
Mercury	0.500	0.492	98.5	80.0-120			

L1244398-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244398-03 07/30/2	S) L1244398-03 07/30/20 09:35 • (MS) R3554752-3 07/30/20 09:38 • (MSD) R3554752-4 07/30/20 09:40											
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.590	ND	0.581	0.590	93.2	94.7	1	75.0-125			1.49	20

SDG: L1244398

Metals (ICP) by Method 6010B

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3555362-1	07/31/20 18:09	

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Arsenic	U		0.00440	0.0100
Barium	U		0.000895	0.00500
Cadmium	U		0.000563	0.00200
Chromium	U		0.00500	0.0100
Lead	U		0.00295	0.00600
Selenium	U		0.00735	0.0100
Silver	U		0.00191	0.00500

Laboratory Control Sample (LCS)

(LCS) R3555362-2 07/31/20 18:12								
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier			
Analyte	mg/l	mg/l	%	%				
Arsenic	1.00	0.968	96.8	80.0-120				
Barium	1.00	1.00	100	80.0-120				
Cadmium	1.00	0.973	97.3	80.0-120				
Chromium	1.00	0.984	98.4	80.0-120				
Lead	1.00	0.972	97.2	80.0-120				
Selenium	1.00	0.984	98.4	80.0-120				
Silver	0.200	0.182	91.1	80.0-120				

L1244398-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244398-07 07/31/20 18:15 • (MS) R3555362-4 07/31/20 18:20 • (MSD) R3555362-5 07/31/20 18:23												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Arsenic	1.00	0.0188	1.01	1.03	99.1	101	1	75.0-125			2.21	20
Barium	1.00	0.109	1.10	1.12	98.8	101	1	75.0-125			1.63	20
Cadmium	1.00	ND	0.984	1.00	98.4	100	1	75.0-125			2.00	20
Chromium	1.00	ND	0.988	1.01	98.8	101	1	75.0-125			2.44	20
Lead	1.00	ND	0.979	0.997	97.9	99.7	1	75.0-125			1.84	20
Selenium	1.00	ND	1.01	1.02	101	102	1	75.0-125			1.73	20
Silver	0.200	ND	0.185	0.190	92.3	95.1	1	75.0-125			3.01	20

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Alpine Environmental, Inc.	J-158-01	L1244398	08/05/20 19:09	36 of 52

Metals (ICP) by Method 6010B

QUALITY CONTROL SUMMARY

(MB) R3555210-1 07/31/2	0 10:31	
	MB Result	MB Qualifier
Analyta	mallia	

Analyte	mg/kg	mg/kg	mg/kg
Arsenic	U	0.460	2.00
Barium	U	0.240	0.500
Cadmium	U	0.0810	0.500
Chromium	U	0.250	1.00
Lead	U	0.208	0.500
Selenium	U	0.617	2.00
Silver	U	0.228	1.00

Laboratory Control Sample (LCS)

(LCS) R3555210-2 07/31/20 10:34								
:	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier			
Analyte	mg/kg	mg/kg	%	%				
Arsenic	100	92.3	92.3	80.0-120				
Barium	100	98.9	98.9	80.0-120				
Cadmium	100	97.1	97.1	80.0-120				
Chromium	100	99.3	99.3	80.0-120				
Lead	100	97.1	97.1	80.0-120				
Selenium	100	88.5	88.5	80.0-120				
Silver	20.0	18.0	90.2	80.0-120				

L1244398-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

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MB MDL

MB RDL

JS) L1244398-03 07/31/20 10:36 • (MS) R3555210-5 07/31/20 10:44 • (MSD) R3555210-6 07/31/20 10:47												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	118	4.07	112	111	91.7	90.2	1	75.0-125			1.50	20
Barium	118	79.7	189	197	92.4	99.2	1	75.0-125			4.19	20
Cadmium	118	ND	114	112	96.6	95.3	1	75.0-125			1.38	20
Chromium	118	16.0	130	130	96.7	96.5	1	75.0-125			0.167	20
Lead	118	7.62	125	139	99.7	111	1	75.0-125			10.2	20
Selenium	118	ND	105	102	89.0	86.8	1	75.0-125			2.55	20
Silver	23.6	ND	20.5	20.4	87.0	86.2	1	75.0-125			0.921	20

	ACCOUNT:	
Alpine	Environmental, Inc.	

PROJECT: J-158-01 SDG: L1244398 DATE/TIME: 08/05/20 19:09

PAGE: 37 of 52

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QUALITY CONTROL SUMMARY

L1244398-07,08,09,10,11,12

(MB) R3554924-1 07/30/2	0 15:56						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	mg/l			
2,4-D	U		0.000547	0.00200			
Dalapon	U		0.000344	0.00200			
2,4-DB	U		0.000302	0.00200			
Dicamba	U		0.000245	0.00200			
Dichloroprop	U		0.00104	0.00200			
Dinoseb	U		0.000250	0.00200			
MCPA	U		0.0131	0.100			
MCPP	U		0.0660	0.100			
2,4,5-T	U		0.000258	0.00200			
2,4,5-TP (Silvex)	U		0.000335	0.00200			
(S) 2,4-Dichlorophenyl Acetic Acid	58.6			14.0-158			

Laboratory Control Sample (LCS)

(LCS) R3554924-2 07/30/2	20 16:11				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
2,4-D	0.00500	0.00317	63.4	50.0-120	
Dalapon	0.00500	0.00318	63.6	32.0-120	<u>P</u>
2,4-DB	0.00500	0.00320	64.0	53.0-140	
Dicamba	0.00500	0.00304	60.8	51.0-120	
Dichloroprop	0.00500	0.00326	65.2	55.0-127	P
Dinoseb	0.00500	0.00345	69.0	36.0-134	
MCPA	0.0500	0.190	380	10.0-160	EJ4 P
MCPP	0.0500	0.0415	83.0	10.0-160	
2,4,5-T	0.00500	0.00361	72.2	54.0-120	
2,4,5-TP (Silvex)	0.00500	0.00323	64.6	50.0-125	
(S) 2,4-Dichlorophenyl Acetic Acid			53.0	14.0-158	

L1244040-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244040-02 07/30/2	L1244040-02 07/30/20 17:10 • (MS) R3554924-3 07/30/20 17:25 • (MSD) R3554924-4 07/30/20 17:40												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
2,4-D	0.00495	ND	0.00322	0.00298	65.1	62.6	1	50.0-120	<u>P</u>		7.74	20	
Dalapon	0.00495	ND	0.00317	0.00292	64.0	61.3	1	32.0-120	<u>P</u>	P	8.21	20	
2,4-DB	0.00495	ND	0.00321	0.00295	64.8	62.0	1	53.0-140		P	8.44	20	
Dicamba	0.00495	ND	0.00311	0.00288	62.8	60.5	1	51.0-120			7.68	20	
ACCOUNT: Alpine Environmental, Inc.			PROJ	ECT: 3-01		: L12	SDG: 244398		DATE/ 08/05/20	ГIME:) 19:09		PAGE: 38 of 52	
Aprile Environmental, inc.													

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QUALITY CONTROL SUMMARY

L1244398-07,08,09,10,11,12

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L1244040-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244040-02 07/30/2	20 17:10 • (MS)	R3554924-3 0	7/30/20 17:25	• (MSD) R3554	924-4 07/30/2	20 17:40						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Dichloroprop	0.00495	ND	0.00374	0.00329	75.6	69.1	1	55.0-127	P	P	12.8	20
Dinoseb	0.00495	ND	0.00337	0.00311	68.1	65.3	1	36.0-134			8.02	20
MCPA	0.0495	ND	0.573	0.356	1160	748	1	10.0-160	<u>E J5 P</u>	<u>E J3 J5 P</u>	46.7	40
MCPP	0.0495	ND	ND	ND	64.6	43.7	1	10.0-160		<u>J3</u>	42.4	23
2,4,5-T	0.00495	ND	0.00366	0.00337	73.9	70.8	1	54.0-120			8.25	20
2,4,5-TP (Silvex)	0.00495	ND	0.00331	0.00303	66.9	63.7	1	50.0-125			8.83	20
(S) 2,4-Dichlorophenyl Acetic					55.4	54.6		14.0-158				

ACCOUNT: Alpine Environmental, Inc. PROJECT: J-158-01

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 39 of 52

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3556273-1 08/04/20	D 11:05			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	45.9			22.0-132

Laboratory Control Sample (LCS)

(LCS) R3556273-2 08/04/	20 11:20				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
2,4-D	0.167	0.0848	50.8	40.0-120	
Dalapon	0.167	0.0927	55.5	15.0-120	
2,4-DB	0.167	0.0880	52.7	25.0-143	
Dicamba	0.167	0.0850	50.9	43.0-120	
Dichloroprop	0.167	0.0990	59.3	32.0-129	
Dinoseb	0.167	0.0251	15.0	10.0-120	
MCPA	1.67	2.09	125	31.0-121	<u>J4</u>
MCPP	1.67	1.12	67.1	28.0-133	
2,4,5-T	0.167	0.0968	58.0	41.0-120	
2,4,5-TP (Silvex)	0.167	0.0868	52.0	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			46.8	22.0-132	

L1244398-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244398-01 (08/04/20 16:56 • (MS)	R3556273-3 (08/04/20 17:11 •	(MSD) R35562	273-4 08/04/2	0 17:25							
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
2,4-D	0.221	ND	0.110	0.100	49.9	45.4	1	10.0-160			9.55	24	
Dalapon	0.221	ND	0.121	0.110	54.9	49.9	1	10.0-121			9.60	27	
2,4-DB	0.221	ND	0.112	0.0971	50.5	44.0	1	10.0-160			13.8	22	
ACCOUNT:				PRO	JECT:			SDG:		DATE/	TIME:		PAGE:
Alpine Environmental, Inc.				J-158-01			L1244398			08/05/20 19:09			40 of 52

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QUALITY CONTROL SUMMARY L1244398-01,02,03,04,05,06

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L1244398-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244398-01 08/04/20 16:56 • (MS) R3556273-3 08/04/20 17:11 • (MSD) R3556273-4 08/04/20 17:25

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dicamba	0.221	ND	0.112	0.103	50.8	46.5	1	10.0-154			8.74	21
Dichloroprop	0.221	ND	0.133	0.116	60.5	52.4	1	10.0-158			14.3	20
Dinoseb	0.221	ND	ND	ND	9.64	9.04	1	10.0-120	JG	J6	6.41	40
MCPA	2.21	ND	ND	ND	116	123	1	10.0-160			6.03	40
MCPP	2.21	ND	ND	ND	68.3	58.4	1	10.0-160			15.5	40
2,4,5-T	0.221	ND	0.123	0.111	55.9	50.3	1	10.0-157			10.5	20
2,4,5-TP (Silvex)	0.221	ND	0.108	0.0958	49.0	43.4	1	10.0-156			12.1	20
(S) 2,4-Dichlorophenyl Acetic					48.7	44.8		22.0-132				

Acid

ACCOUNT: Alpine Environmental, Inc. PROJECT: J-158-01

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 41 of 52 Pesticides (GC) by Method 8081

QUALITY CONTROL SUMMARY L1244398-11,12

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Method Blank (MB)

(MB) R3555426-1	08/01/20	07:18	

	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	Тс
Aldrin	U		0.0000198	0.000500	
Alpha BHC	U		0.0000172	0.000500	³ S S
Beta BHC	U		0.0000208	0.000500	00
Delta BHC	U		0.0000150	0.000500	4
Gamma BHC	U		0.0000209	0.000500	Cn
4,4-DDD	U		0.0000177	0.000500	
4,4-DDE	U		0.0000154	0.000500	⁵ Sr
4,4-DDT	U		0.0000198	0.000500	
Dieldrin	U		0.0000162	0.000500	6_
Endosulfan I	U		0.0000160	0.000500	Qc
Endosulfan II	U		0.0000164	0.000500	
Endosulfan sulfate	U		0.0000217	0.000500	⁷ Gl
Endrin	U		0.0000161	0.000500	
Endrin aldehyde	U		0.0000237	0.000500	8
Endrin ketone	U		0.0000219	0.000500	AI
Heptachlor	U		0.0000148	0.000500	
Heptachlor epoxide	U		0.0000183	0.000500	Sc
Hexachlorobenzene	U		0.0000176	0.000500	0.0
Methoxychlor	U		0.0000193	0.000500	
Chlordane	U		0.0000198	0.00500	
Toxaphene	U		0.000168	0.000500	
(S) Decachlorobiphenyl	58.4			10.0-128	
(S) Tetrachloro-m-xylene	101			10.0-127	

Laboratory Control Sample (LCS)

ACCOUNT:

Alpine Environmental, Inc.

(LCS) R3555426-2 08/01	CS) R3555426-2 08/01/20 07:30											
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier							
Analyte	mg/l	mg/l	%	%								
Aldrin	0.00100	0.000793	79.3	22.0-124								
Alpha BHC	0.00100	0.000933	93.3	54.0-130								
Beta BHC	0.00100	0.000958	95.8	53.0-136								
Delta BHC	0.00100	0.000991	99.1	54.0-133								
Gamma BHC	0.00100	0.000954	95.4	55.0-129								
4,4-DDD	0.00100	0.000890	89.0	56.0-140								
4,4-DDE	0.00100	0.000824	82.4	52.0-128								
4,4-DDT	0.00100	0.000713	71.3	50.0-141								
Dieldrin	0.00100	0.000931	93.1	59.0-133								
Endosulfan I	0.00100	0.000914	91.4	57.0-131								

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 42 of 52

QUALITY CONTROL SUMMARY L1244398-11,12

LCS Qualifier

Laboratory Control Sample (LCS)

(LCS) R3555426-2 08/01/20 07:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits
Analyte	mg/l	mg/l	%	%
Endosulfan II	0.00100	0.000880	88.0	58.0-133
Endosulfan sulfate	0.00100	0.000842	84.2	58.0-133
Endrin	0.00100	0.000933	93.3	57.0-134
Endrin aldehyde	0.00100	0.000848	84.8	53.0-129
Endrin ketone	0.00100	0.000840	84.0	60.0-145
Heptachlor	0.00100	0.000835	83.5	27.0-132
Heptachlor epoxide	0.00100	0.000904	90.4	57.0-130
Hexachlorobenzene	0.00100	0.000766	76.6	30.0-114
Methoxychlor	0.00100	0.000785	78.5	54.0-155
(S) Decachlorobiphenyl			47.9	10.0-128
(S) Tetrachloro-m-xylene			87.4	10.0-127

L1244040-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L1244040-02 08/01/20 07:42 • (MS) R3555426-3 08/01/20 07:55 • (MSD) R3555426-4 08/01/20 08:07												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Aldrin	0.00100	ND	0.000797	0.000848	79.7	84.8	1	10.0-141			6.20	40
Alpha BHC	0.00100	ND	0.000900	0.000944	90.0	94.4	1	10.0-145			4.77	40
Beta BHC	0.00100	ND	0.000948	0.000970	94.8	97.0	1	14.0-146			2.29	35
Delta BHC	0.00100	ND	0.000987	0.000997	98.7	99.7	1	17.0-143			1.01	38
Gamma BHC	0.00100	ND	0.000925	0.000956	92.5	95.6	1	14.0-141			3.30	40
4,4-DDD	0.00100	ND	0.000908	0.000910	90.8	91.0	1	10.0-160			0.220	38
4,4-DDE	0.00100	ND	0.000876	0.000895	87.6	89.5	1	10.0-159			2.15	35
4,4-DDT	0.00100	ND	0.000773	0.000782	77.3	78.2	1	10.0-160			1.16	38
Dieldrin	0.00100	ND	0.000934	0.000935	93.4	93.5	1	10.0-158			0.107	38
Endosulfan I	0.00100	ND	0.000920	0.000924	92.0	92.4	1	10.0-153			0.434	36
Endosulfan II	0.00100	ND	0.000888	0.000882	88.8	88.2	1	10.0-159			0.678	39
Endosulfan sulfate	0.00100	ND	0.000865	0.000859	86.5	85.9	1	23.0-147			0.696	35
Endrin	0.00100	ND	0.000929	0.000931	92.9	93.1	1	10.0-160			0.215	39
Endrin aldehyde	0.00100	ND	0.000868	0.000861	86.8	86.1	1	10.0-148			0.810	38
Endrin ketone	0.00100	ND	0.000858	0.000853	85.8	85.3	1	10.0-160			0.584	40
Heptachlor	0.00100	ND	0.000832	0.000877	83.2	87.7	1	16.0-136			5.27	40
Heptachlor epoxide	0.00100	ND	0.000906	0.000913	90.6	91.3	1	10.0-160			0.770	36
Hexachlorobenzene	0.00100	ND	0.000720	0.000767	72.0	76.7	1	10.0-130			6.32	40
Methoxychlor	0.00100	ND	0.000821	0.000821	82.1	82.1	1	10.0-160			0.000	34
(S) Decachlorobiphenyl					64.6	67.0		10.0-128				
(S) Tetrachloro-m-xylene					77.0	82.1		10.0-127				

ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE: Alpine Environmental, Inc. J-158-01 L1244398 08/05/20 19:09 43 of 52

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Pesticides (GC) by Method 8081

QUALITY CONTROL SUMMARY L1244398-07,08,09,10

	<i>)</i>)				1 Cn
(MB) R3555652-1 08/02/	/20 12:04				СР
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/l		mg/l	mg/l	Tc
Aldrin	U		0.0000198	0.0000500	
Alpha BHC	U		0.0000172	0.0000500	³ Ss
Beta BHC	U		0.0000208	0.0000500	00
Delta BHC	U		0.0000150	0.0000500	4
Gamma BHC	U		0.0000209	0.0000500	Cn
4,4-DDD	U		0.0000177	0.0000500	
4,4-DDE	U		0.0000154	0.0000500	⁵ Sr
4,4-DDT	U		0.0000198	0.0000500	U.
Dieldrin	U		0.0000162	0.0000500	6_
Endosulfan I	U		0.0000160	0.0000500	Qc
Endosulfan II	U		0.0000164	0.0000500	
Endosulfan sulfate	U		0.0000217	0.0000500	G
Endrin	U		0.0000161	0.0000500	Ú.
Endrin aldehyde	U		0.0000237	0.0000500	8
Endrin ketone	U		0.0000219	0.0000500	AI
Heptachlor	U		0.0000148	0.0000500	
Heptachlor epoxide	U		0.0000183	0.0000500	Sc
Hexachlorobenzene	U		0.0000176	0.0000500	00
Methoxychlor	U		0.0000193	0.0000500	
Chlordane	U		0.0000198	0.00500	
Toxaphene	U		0.000168	0.000500	
(S) Decachlorobiphenyl	39.6			10.0-128	
(S) Tetrachloro-m-xylene	73.6			10.0-127	

Laboratory Control Sample (LCS)

(LCS) R3555652-2 0	8/02/20 12:17				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Aldrin	0.00100	0.000940	94.0	22.0-124	
Alpha BHC	0.00100	0.000970	97.0	54.0-130	
Beta BHC	0.00100	0.00100	100	53.0-136	
Delta BHC	0.00100	0.00101	101	54.0-133	
Gamma BHC	0.00100	0.000997	99.7	55.0-129	
4,4-DDD	0.00100	0.000955	95.5	56.0-140	
4,4-DDE	0.00100	0.000918	91.8	52.0-128	
4,4-DDT	0.00100	0.000922	92.2	50.0-141	
Dieldrin	0.00100	0.000847	84.7	59.0-133	
Endosulfan I	0.00100	0.000989	98.9	57.0-131	

ACCOUNT:

PROJECT: J-158-01

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 44 of 52

QUALITY CONTROL SUMMARY

LCS Qualifier

Laboratory Control Sample (LCS)

(LCS) R3555652-2 08/02/20 12:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits
Analyte	mg/l	mg/l	%	%
Endosulfan II	0.00100	0.000989	98.9	58.0-133
Endosulfan sulfate	0.00100	0.000916	91.6	58.0-133
Endrin	0.00100	0.00106	106	57.0-134
Endrin aldehyde	0.00100	0.000783	78.3	53.0-129
Endrin ketone	0.00100	0.000938	93.8	60.0-145
Heptachlor	0.00100	0.000962	96.2	27.0-132
Heptachlor epoxide	0.00100	0.000989	98.9	57.0-130
Hexachlorobenzene	0.00100	0.000995	99.5	30.0-114
Methoxychlor	0.00100	0.000999	99.9	54.0-155
(S) Decachlorobiphenyl			66.2	10.0-128
(S) Tetrachloro-m-xylene			82.0	10.0-127

L1245345-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L1245345-01 08/02/20 15:23 • (MS) R3555652-3 08/02/20 15:35 • (MSD) R3555652-4 08/02/20 15:48												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Aldrin	0.00100	ND	0.000695	0.000707	69.5	70.7	1	10.0-141			1.71	40
Alpha BHC	0.00100	ND	0.000666	0.000647	66.6	64.7	1	10.0-145			2.89	40
Beta BHC	0.00100	ND	0.000818	0.000782	81.8	78.2	1	14.0-146			4.50	35
Delta BHC	0.00100	ND	0.0000563	0.0000690	5.63	6.90	1	17.0-143	<u>J6</u>	<u>J6</u>	20.3	38
Gamma BHC	0.00100	ND	0.000556	0.000533	55.6	53.3	1	14.0-141			4.22	40
4,4-DDD	0.00100	ND	0.000760	0.000769	76.0	76.9	1	10.0-160			1.18	38
4,4-DDE	0.00100	ND	0.000676	0.000698	67.6	69.8	1	10.0-159			3.20	35
4,4-DDT	0.00100	ND	0.000155	0.000149	15.5	14.9	1	10.0-160			3.95	38
Dieldrin	0.00100	ND	0.000748	0.000739	74.8	73.9	1	10.0-158			1.21	38
Endosulfan I	0.00100	ND	0.000792	0.000769	79.2	76.9	1	10.0-153			2.95	36
Endosulfan II	0.00100	ND	0.000715	0.000716	71.5	71.6	1	10.0-159			0.140	39
Endosulfan sulfate	0.00100	ND	0.000200	0.000197	20.0	19.7	1	23.0-147	<u>J6</u>	<u>J6</u>	1.51	35
Endrin	0.00100	ND	0.000854	0.000831	85.4	83.1	1	10.0-160			2.73	39
Endrin aldehyde	0.00100	ND	0.000614	0.000691	61.4	69.1	1	10.0-148			11.8	38
Endrin ketone	0.00100	ND	0.000384	0.000351	38.4	35.1	1	10.0-160			8.98	40
Heptachlor	0.00100	ND	0.000790	0.000769	79.0	76.9	1	16.0-136			2.69	40
Heptachlor epoxide	0.00100	ND	0.000816	0.000800	81.6	80.0	1	10.0-160			1.98	36
Hexachlorobenzene	0.00100	ND	0.000907	0.000850	90.7	85.0	1	10.0-130			6.49	40
Methoxychlor	0.00100	ND	0.000238	0.000237	23.8	23.7	1	10.0-160	<u>P</u>	<u>P</u>	0.421	34
(S) Decachlorobiphenyl					53.9	54.6		10.0-128				
(S) Tetrachloro-m-xylene					76.6	70.7		10.0-127				

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ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Alpine Environmental, Inc.	J-158-01	L1244398	08/05/20 19:09	45 of 52

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Method Blank (MB)

Pesticides (GC) by Method 8081

QUALITY CONTROL SUMMARY

¹ Cp ² Tc ³ Ss ⁴ Cn

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(MB) R3555942-1 08/03/	20 08:33				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Aldrin	U		0.00376	0.0200	
Alpha BHC	U		0.00368	0.0200	
Beta BHC	U		0.00379	0.0200	
Delta BHC	U		0.00346	0.0200	
Gamma BHC	U		0.00344	0.0200	
4,4-DDD	U		0.00370	0.0200	
4,4-DDE	U		0.00366	0.0200	
4,4-DDT	U		0.00627	0.0200	
Dieldrin	U		0.00344	0.0200	
Endosulfan I	U		0.00363	0.0200	
Endosulfan II	U		0.00335	0.0200	
Endosulfan sulfate	U		0.00364	0.0200	
Endrin	U		0.00350	0.0200	
Endrin aldehyde	U		0.00339	0.0200	
Endrin ketone	U		0.00711	0.0200	
Heptachlor	U		0.00428	0.0200	
Heptachlor epoxide	U		0.00339	0.0200	
Hexachlorobenzene	U		0.00346	0.0200	
Methoxychlor	U		0.00484	0.0200	
Chlordane	U		0.103	0.300	
Toxaphene	U		0.124	0.400	
(S) Decachlorobiphenyl	75.8			10.0-135	
(S) Tetrachloro-m-xylene	79.6			10.0-139	

Laboratory Control Sample (LCS)

ACCOUNT:

Alpine Environmental, Inc.

_CS) R3555942-2 08/03/20 08:46										
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier					
Analyte	mg/kg	mg/kg	%	%						
Aldrin	0.0666	0.0586	88.0	34.0-136						
Alpha BHC	0.0666	0.0595	89.3	34.0-139						
Beta BHC	0.0666	0.0584	87.7	34.0-133						
Delta BHC	0.0666	0.0612	91.9	34.0-135						
Gamma BHC	0.0666	0.0605	90.8	34.0-136						
4,4-DDD	0.0666	0.0549	82.4	33.0-141						
4,4-DDE	0.0666	0.0559	83.9	34.0-134						
4,4-DDT	0.0666	0.0533	80.0	30.0-143						
Dieldrin	0.0666	0.0575	86.3	35.0-137						
Endosulfan I	0.0666	0.0578	86.8	34.0-134						

SDG:

L1244398

PROJECT:

J-158-01

PAGE: 46 of 52

QUALITY CONTROL SUMMARY L1244398-01,02,03,04,05,06

LCS Qualifier

(LCS) R3555942-2 08/03/20 08:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits
Analyte	mg/kg	mg/kg	%	%
Endosulfan II	0.0666	0.0546	82.0	35.0-132
Endosulfan sulfate	0.0666	0.0552	82.9	35.0-132
Endrin	0.0666	0.0581	87.2	34.0-137
Endrin aldehyde	0.0666	0.0478	71.8	23.0-121
Endrin ketone	0.0666	0.0548	82.3	35.0-144
Heptachlor	0.0666	0.0577	86.6	36.0-141
Heptachlor epoxide	0.0666	0.0563	84.5	36.0-134
Hexachlorobenzene	0.0666	0.0523	78.5	33.0-129
Methoxychlor	0.0666	0.0501	75.2	28.0-150
(S) Decachlorobiphenyl			83.9	10.0-135
(S) Tetrachloro-m-xylene			86.5	10.0-139

ACCOUNT:

Alpine Environmental, Inc.

L1245549-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L1245549-01 08/04/20 12:30 • (MS) R3556223-1 08/04/20 12:43 • (MSD) R3556223-2 08/04/20 12:55												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aldrin	0.0666	ND	0.0434	0.0440	65.2	66.1	1	20.0-135	<u>P</u>	<u>P</u>	1.37	37
Alpha BHC	0.0666	ND	0.0449	0.0438	67.4	65.8	1	27.0-140	<u>P</u>	<u>P</u>	2.48	35
Beta BHC	0.0666	ND	0.0567	0.0562	85.1	84.4	1	23.0-141	<u>P</u>	<u>P</u>	0.886	37
Delta BHC	0.0666	ND	0.0440	0.0418	66.1	62.8	1	21.0-138	<u>P</u>	<u>P</u>	5.13	35
Gamma BHC	0.0666	ND	0.0490	0.0469	73.6	70.4	1	27.0-137	P	<u>P</u>	4.38	36
4,4-DDD	0.0666	ND	0.0432	0.0443	64.9	66.5	1	15.0-152	<u>P</u>	<u>P</u>	2.51	39
4,4-DDE	0.0666	ND	0.0622	0.0677	93.4	102	1	10.0-152	P	<u>P</u>	8.47	40
4,4-DDT	0.0666	ND	0.0621	0.0564	93.2	84.7	1	10.0-151	<u>P</u>	<u>P</u>	9.62	40
Dieldrin	0.0666	ND	0.0467	0.0465	70.1	69.8	1	17.0-145	P	<u>P</u>	0.429	37
Endosulfan I	0.0666	ND	0.0417	0.0414	62.6	62.2	1	20.0-137	<u>P</u>	<u>P</u>	0.722	36
Endosulfan II	0.0666	ND	0.0416	0.0404	62.5	60.7	1	15.0-141	P	<u>P</u>	2.93	37
Endosulfan sulfate	0.0666	ND	0.0440	0.0419	66.1	62.9	1	15.0-143	<u>P</u>	<u>P</u>	4.89	38
Endrin	0.0666	ND	0.0462	0.0440	69.4	66.1	1	19.0-143	P	<u>P</u>	4.88	37
Endrin aldehyde	0.0666	ND	0.0361	0.0362	54.2	54.4	1	10.0-139	<u>P</u>	<u>P</u>	0.277	40
Endrin ketone	0.0666	ND	0.0415	0.0405	62.3	60.8	1	17.0-149	P	<u>P</u>	2.44	38
Heptachlor	0.0666	ND	0.0459	0.0446	68.9	67.0	1	22.0-138	<u>P</u>	<u>P</u>	2.87	37
Heptachlor epoxide	0.0666	ND	0.0454	0.0451	68.2	67.7	1	22.0-138	P	<u>P</u>	0.663	36
Hexachlorobenzene	0.0666	ND	0.0492	0.0480	73.9	72.1	1	25.0-126	<u>P</u>	<u>P</u>	2.47	35
Methoxychlor	0.0666	ND	0.0721	0.0684	108	103	1	10.0-159	P	<u>P</u>	5.27	40
(S) Decachlorobiphenyl					203	137		10.0-135	<u>J1</u>	<u>J1</u>		
(S) Tetrachloro-m-xylene					57.4	58.6		10.0-139				

62.9	1	15.0-143	<u>P</u>	<u>P</u>	4.89	38	
66.1	1	19.0-143	<u>P</u>	P	4.88	37	
54.4	1	10.0-139	<u>P</u>	P	0.277	40	
60.8	1	17 0-149	P	P	2 44	38	



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PROJECT:

SDG: L1244398

DATE/TIME: 08/05/20 19:09

PAGE: 47 of 52

GLOSSARY OF TERMS

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Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the resu reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
	This section of the Analytical Report defines the specific analyses performed for each sample ID including the dates and

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
Ρ	RPD between the primary and confirmatory analysis exceeded 40%.

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
Alpine Environmental, Inc.	J-158-01	L1244398	08/05/20 19:09	48 of 52

ACCREDITATIONS & LOCATIONS

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska
Alaska	17-026	Nevada
Arizona	AZ0612	New Hampsh
Arkansas	88-0469	New Jersey-
California	2932	New Mexico
Colorado	TN00003	New York
Connecticut	PH-0197	North Carolin
Florida	E87487	North Carolin
Georgia	NELAP	North Carolin
Georgia ¹	923	North Dakota
Idaho	TN00003	Ohio–VAP
Illinois	200008	Oklahoma
Indiana	C-TN-01	Oregon
lowa	364	Pennsylvania
Kansas	E-10277	Rhode Island
Kentucky 16	90010	South Carolir
Kentucky ²	16	South Dakota
Louisiana	AI30792	Tennessee ¹
Louisiana ¹	LA180010	Texas
Maine	TN0002	Texas ⁵
Maryland	324	Utah
Massachusetts	M-TN003	Vermont
Michigan	9958	Virginia
Minnesota	047-999-395	Washington
Mississippi	TN00003	West Virginia
Missouri	340	Wisconsin
Montana	CERT0086	Wyoming

Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico ¹	n/a
New York	11742
North Carolina	Env375
North Carolina ¹	DW21704
North Carolina ³	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee ¹⁴	2006
Texas	T104704245-18-15
Texas ⁵	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Alpine Environmental, Inc.

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



J-158-01

L1244398

PAGE: 49 of 52

08/05/20 19:09

Τс Ss Cn Sr Qc Gl AI Sc

Appendix V

Soil Boring Logs

			Billing Infor	rmation:						A	nalvsis /	Contair	ner / Preser	vative	1		Chain of Custody	Page of
Alpine Environmenta 289 East Garfield Avenue	l, Inc.		Accounts P.O. Box Martinsy	s Payable 1555 ville, IN 4	6151		Pres Chk										Pace. National Ca	Analytical [®] nter for Testing & Innovation
Martinsville, IN 46151	er e fan de se		Email To: a	Inineenviro	n@sbce	lobal.net											12065 Lebanon Rd	
Report to: Mr. Robert Downey									24								Mount Juliet, TN 37 Phone: 615-758-58 Phone: 800-767-58	122 8 9
Project Description: Growing Green, Inc.		City/State Collected:	Martin	nswille	IN	Please Cir PT MT C	rcle: T ED					res					Fax: 615-758-5859	
Phone: 765-318-3561	Client Proje	ect #		Lab Proje	MIN-G	ROWING	GRE	s	NO3		Pres	Ir-NoP					SDG # 12 GOG	0
ollected by (print):	Site/Facility	/ ID #		P.O. #	1		an a	loPre	PE-HI	Pres	PE-NG	402C	o Pres				Acctnum: ALP	INEIVIN
Collected by (signature):	Rush?	(Lab MUST Be	Notified)	Quote #	-			n-dn	DHI	r-No	HD	1,TS	N-q			1	Template: T17	1326
Immediately Packed on Ice N_Y	Same Next Two Three	E Day Five Day 5 Da Day 10 D e Day	Day y (Rad Only) ay (Rad Only)	Date	e Results - 10-	Needed	No. of	100ml Ar	RA8 250m	RA8 202C	ATE 125m	81,SV815	51 1L-Am				Prelogin: P78 PM: 3513 - Jen PB: 700	aifer Huckaba
Sample ID	Comp/Gra	ab Matrix *	Depth	Da	te	Time	Cntrs	8081	MRCI	MRCI	NITR	SV80	SV81	and the second			Remarks	Sample # (lab only)
GP-1	Grab	s SS	0.41	-2	3-20	9:40	2			X		X						- 01
5P-2		SS	Ì	1.1.	1	10:17	2		1.1	X		X	See See Pro-					or
SP-3		SS				11:03	2			X	1.50	X	10 x 10 1 10 10					03
SP-4		SS				11:28	2			X	22	X	12					04
SP-5		SS			1	2:10	2			X	Contraction of the second	X						05
GP-6		SS		7-24	1-20	0:32	2 2			X		X					199 Bay	06
GP-1		GW	1.34	7-2	2-20	10:54	6	X	X		X		X					07
GP-2		GW	in the			11:14	6	X	X		X		X		P	1.4.18.19		08
GP-3		GW	1		1	11:49	6	X	X		X		X	1				69
GP-4		GW	The state	1.1	1	12:10	6	X	X		X		X		12		1999 	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	Remarks:	y or Artes v									pH Flow	/	_ Temp _ _ Other _	lent Ma	COC Se COC Si Bottle Correc	Sampl eal Pre igned/ es arri ct bott	e Receipt Ch esent/Intact Accurate: ive intact: tles used:	ecklist
DW - Drinking Water OT - Other	Samples return UPS Fee	ned via: dEx Courie	r		Trackin	ng # 905	0	084	90 0	255	2/0	24	1/00	63	VOA Ze	ero Hea	If Applicab adspace:	le _Y _N
Relinquished by : (Signature)		Date: 7-29-1	Tim 20 2	ne:	Receiv	ed by: (Signa	ture)				Trip Bla	nk Rece	ived: Yes HC	/No IL / MeoH	RAD So	creen «	<0.5 mR/hr:	
Relinquished by : (Signature)		Date:	Tim		Receiv	ved by: (Signa	iture)				Telm ?!	セー	C Bottles	Received:	If prese	ervation	required by Lo	gin: Date/Time
Relinquished by : (Signature)		Date:	Tim	ne:	Receiv	Ved for lab by	: (Sigra	ture)			Date: 7M	ight	Time:	1:00	Hold:			Condition: NCF / OK

			Billing Infor	mation:		Charl		1	A	nalvsis /	Contair	ner / Preser	vative	1 Constant	-	Chain of Custody	Page of
Alpine Environmental,	Inc.		Accounts	Payable		Pres Chk										Pacet	nalytical*
89 East Garfield Avenue Martinsville, IN 46151			Martinsv	ille, IN 461	51											National Can	ter for Testing & Innove
Report to: Mr. Robert Downey			Email To: al	lpineenviron@	Øsbcglobal.net											12065 Lebanon Rd Mount Juliet, TN 371 Phone: 615-758-5855	
Project Description: Growing Green, Inc.		City/State Collected	antiqui	IL, IN	Please Cir PT MT C	rcle:					res					Fax: 615-758-5859	
Phone: 765-318-3561	Client Project	t#		Lab Project #	# IN-GROWINGO	GRE	ss	NO3		oPres	CIr-NoF	Ş				SDG # /2 4 Table #	4398
Collected by (print):	Site/Facility	D #		P.O. # J-158-01			-NoPre	DPE-H	VoPres	DPE-N	S 402(No Pre				Acctnum: ALPI	NEMIN
Collected by (signature):	Rush?	(Lab MUST Be Day Five I	Notified) Day	Quote #			I Amb	HIMOS	ozClr-h	SmiH	3151,7	Amb-I				Prelogin: P786	679
Immediately Packed on Ice N Y	Next D Two D Three	ay5 Day ay10 Da Day	/ (Rad Only) ay (Rad Only)	Date Re	esults Needed	No. of	100m	RA8 25	RA8 20	ATE 12	81,SV	51 11-				PB: 7 20	dEX Ground
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	8081	MRC	MRC	NITR	SV80	SV81				Remarks	Sample # (lab or
GP-5	Grub	GW		7-20-1	12:47	6	X	X		X		X					
GP-6		GW			1:11	6	X	X		X		X			12.1		
and the second	1.19	SS	2		and Trick	2		LE S	X		X	X					
		GW	125			6	X	X		X		×				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
								Blue - d					tine time				1
		* <u></u>						(Alka)				10-11-00	and and		14. A.	1. 100 18 18	1996
			L. S.									1.1.1.1					
	0 2	-										1.1.1			K.		
			- Angla		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1				204							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater	Remarks:									pH Flow		_ Temp _		COC S COC S Bott Corre	Seal Pr Signed, les arr ect bot	<pre>ple Receipt Ch resent/Intact: /Accurate: rive intact: ttles used: volume cont.</pre>	NP Y
DW - Drinking Water OT - Other	Samples returne UPSFedl	ed via: ExCourier	r	T	racking #							Mr.	0	VOA :	Zero He	If Applicabi eadspace:	$\frac{4^{r}}{2}$
Relinquished by : (Signature)		Date: 7-28.	-20 Tim 7 2	e: R -30,2m	Received by: (Signa	ture)				Trip Bla	nk Rece	ived: Yes , HCI TBP	L / MeoH	RAD	Screen	<0.5 mR/hr:	<u> </u>
Relinquished by : (Signature)		Date:	Tim	e: R	Received by: (Signa	ture)				Tehte 1	12 10=1	C Bottles	Received:	If pre	servatio	n required by Log	in: Date/Time
Relinquished by : (Signature)		Date:	Tim	e: R	Received for lab by	: (Signa	ture)			Date:	an	Time:	:W	Hold:			NCF / OF

Kelsey Stephenson

Pace Analytical National Center for Testing & Innovation

Login #: L1244398	Client:ALI	PINEMIN	Date:07/29	Evaluated by:Kelsey S
Non-Conformance (ch	ieck appli	cable items)		
Sample Integrity		Chain of Custody Clarificatic	n	
Parameter(s) past holdin time	18	Login Clarification Needed		If Broken Container:
Temperature not in range		Chain of custody is incomplete	6	Insufficient packing material around container
Improper container type		Please specify Metals request	ed.	Insufficient packing material inside cooler
pH not in range.		Please specify TCLP requested		Improper handling by carrier (FedEx / UPS / Courier
Insufficient sample volun	me.	Received additional samples 1	not listed on coc.	Sample was frozen
Sample is biphasic.		Sample ids on containers do n coc	not match ids on	Container lid not intact
Vials received with head:	space.	Trip Blank not received.		If no Chain of Custody:
Broken container		Client did not "X" analysis.		Received by:
Broken container:	1	Chain of Custody is missing		Date/Time:
Sufficient sample remains				Temp./Cont.Rec./pH:
				Carrier:
				Tracking#
Login Comments:				

- Cooler 9050 0890 0252 received with ice melted and samples at 12.3 Deg. 1. Metals for GP-4 received with a pH of 7 2. Cooler 9050 0890 0353
 - a. Samples GP-4, GP-6, and GP-5

Lot #237365

Client informed l	by:	Call	Email	X	Voice Mail	Date: 7/2	9/20	Time	: 1350	
TSR Initials: JJH		Client Contact:	Rob Dowr	ley						
二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、二、					and the second sec					

For Metals bottle GP-4, preserve in lab for Metals

For samples GP-4, GP-5, & GP-6, it is OK to proceed with analysis regardless of the cooler temperature.