

PHASE I ENVIRONMENTAL SITE ASSESSMENT WATERS EDGE, SECOND FILING FORT COLLINS, COLORADO

Prepared for:

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Attention: Joe Knopinski

Project No. FC08010.002-200

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EXECUTIVE SUMMARY

This report presents the results of the Phase I Environmental Site
Assessment (ESA) that was performed by CTL | Thompson, Inc. for the Waters
Edge Second Filing property located northwest of the intersection of Turnberry
Road and Brightwater Drive in Fort Collins, Colorado.

The Phase I ESA was conducted in general conformance with the methods and procedures described in the American Society for Testing and Materials (ASTM) E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The Site consists of 233 parcels, with a combined size of approximately 35 acres. The Site is undeveloped other than for agricultural use. Adjoining properties include residences and vacant land.

As of 1937, or earlier, the Site and adjoining properties appear to have been used for farming. The Site appears to have remained in farming use until recently.

The Site was previously in agricultural use. The use of pesticides and herbicides can sometimes present a potential concern because these chemicals can adversely impact the soil and ground water beneath the Site. However, many of these chemicals used today degrade quickly in the natural environment. We did not observe evidence of the usage or storage of banned chemicals (e.g. DDT, Dieldrin) at the Site; we believe that normal application of agricultural chemicals at the Site is a *de minimis* environmental condition.

Although not a REC, the presence of oil/gas wells surrounding the Site is of potential concern. Soil sampling performed at the time of abandonment did not

indicate the presence of petroleum hydrocarbons at concentrations exceeding Colorado standards. However, no groundwater assessment was performed. If a greater degree of certainty is desired with respect to potential releases from these oil/gas wells, groundwater should be sampled and analyzed for petroleum hydrocarbons.

This executive summary does not contain all the information that is found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

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1.0 INTRODUCTION

This report was prepared by CTL | Thompson, Inc. (CTL) for Waters' Edge Developments, Inc. and presents the results of the Phase I Environmental Site Assessment (ESA) for the Waters Edge property in Fort Collins, Colorado (Site). The Site is located northwest of the intersection of Brightwater Drive and Turnberry Road in Fort Collins, Colorado. The Phase I ESA was conducted in general accordance with CTL's Proposal No. FC-17-0284 dated July 25, 2017.

1.1 Purpose

The purpose of the Phase I ESA was to identify Recognized Environmental Conditions (REC), to the extent feasible, pursuant to the methods and procedures described in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments, E 1527-13.

A REC is defined as the presence or likely presence of hazardous substances or petroleum products on a site under conditions that indicate an existing release, a past release, or a material threat of a release of hazardous substances or petroleum products into the ground, ground water, or surface water of the site. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

ASTM Standard E1527-13 also has separate definitions for past conditions that would otherwise be considered a REC but have been addressed to the satisfaction of the applicable regulatory agencies and would either allow for

generally unrestricted use of the Site (referred to as a Historic Recognized Environmental Condition, or HREC) or for use of the Site with various restrictions (referred to as a Controlled Recognized Environmental Condition, or CREC).

1.2 Scope of Services

The scope of services for this assessment consisted of a records review, a site reconnaissance, historical research, interviews, and documentation of findings in a report.

1.3 Limitations

This Phase I ESA was prepared in general accordance with ASTM Standard E 1527-13. There may be additional environmental issues present at the site that are outside the scope of this practice that includes, but are not limited to the following:

- Asbestos-containing materials;
- Radon;
- Lead-based paint;
- Lead in drinking water;
- Cultural and historic resources;
- Mold and fungi;
- Industrial hygiene;
- Indoor air quality;
- Health & safety;
- Ecological resources;
- Endangered species;
- Biological or infectious agents and pathogens;
- Wetlands:
- Jurisdictional waters of the U.S;
- Regulatory compliance;
- High voltage power lines; and,
- Mine subsidence.

CTL provided an opinion based upon the condition of the Site on the day it was observed and a review of existing and reasonably ascertainable regulatory records and historical information. Our scope did not include chemical testing of soil, ground water, air, or building materials. The opinion, conclusions, and recommendations of this report are not intended to be used or relied upon by a third party to this Agreement. With the written consent of our client, CTL may be available to contract with other parties to provide an opinion or conduct additional environmental assessment services. Due to latent conditions and other contingencies which may become evident in the future, the current assessment does not result in any guarantee the subject Site is free and clear of hazardous materials. Should additional surface, subsurface or chemical data become available, the conclusions and recommendations contained in this report shall not be considered valid unless the data is reviewed and the conclusions of this report are modified or approved in writing by our firm.

We believe that this investigation was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the locality of the project. No warranty, express or implied, is made.

1.4 Continued Viability of ESA

In accordance with Section 4.6 of ASTM Standard E1527-13, a Phase I ESA is considered to remain viable only if the following elements were conducted or updated within 180 days of the property purchase date:

- Interviews with owners, operators, and occupants;
- Searches for recorded environmental cleanup liens;
- Reviews of federal, tribal, state, and local government records;
- Visual inspections of the property and of adjoining properties; and

 The declaration by the environmental professional responsible for the assessment or update.

Because the above-listed elements were conducted more than 180 days prior to the re-issuance of this report, the "shelf-life" of this report has expired. In order for this Phase I ESA to be considered fully compliant with the 180-day requirements set forth in ASTM Standard E1527-13, it will be necessary to update the above-listed elements within 180 days of the property transaction date.

2.0 SITE DESCRIPTION AND LOCATION

2.1 <u>Location and Legal Description</u>

The Site is located northwest of the intersection of Brightwater Drive and Turnberry Road in Fort Collins, Colorado. The geographic location of the site is within Section 30, Township 8 North, Range 68 West of the 6th Principal Meridian, Larimer County, Colorado. According to the Larimer County Assessor, the Site consists of 233 parcels, with a combined size of approximately 35 acres. The owner is listed as Waters Edge West LLC for all of the parcels. The parcels have the following legal descriptions (as abbreviated by the assessor):

- LOTS 1-14, WATERS EDGE, FTC
- LOTS 97-258, WATERS EDGE, FTC
- LOTS 282-287, WATERS EDGE, FTC
- LOTS 291-292, WATERS EDGE, FTC
- LOTS 262-281, WATERS EDGE, FTC
- LOTS 288-290, WATERS EDGE, FTC
- LOTS 293-317, WATERS EDGE, FTC

The Site location and plan are shown on Figure 1 (Area Map) and Figure 2 (Site Plan).

2.2 General Description of Site and Improvements

The Site consists of vacant land. No structures are present on the Site. A photographic record of our Site reconnaissance is presented in Appendix A.

2.3 General Uses of Adjoining Properties

The Site is located within an area of Fort Collins used for residential and agricultural purposes. Adjoining properties consist of residences, a pump station, and vacant land. Additional details regarding our observations of adjacent properties are presented in Section 7.4 of this report.

3.0 USER PROVIDED INFORMATION

Mr. Kent Pedersen of CalAtlantic Group, responded to our Environmental Questionnaire on August 1, 2017. Mr. Pedersen's answers to our questions are detailed below.

3.1 Environmental Liens/Title Records

An environmental lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous material or petroleum products upon a property. CalAtlantic Group was not aware of existing environmental liens on the Site.

Mr. Pedersen provided CTL with a copy of title documentation for the Site, prepared by First American Title Insurance Company on March 17, 2017. The title

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documents mention an oil and gas lease; however, we did not observe evidence of oil and gas wells on the Site. Although we are not title experts, Schedule B of the title documentation did not contain obvious indications of environmental liens or deed restrictions against the Site.

3.2 Activity and Use Limitations (AULs)

Environmental AULs are legal or physical restrictions or limitations on the use of, or access to, a Site or facility to: 1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions may include engineering controls, institutional controls, or land use restrictions. CalAtlantic Group was not aware of recorded environmental AULs related to the Site.

3.3 Specialized Knowledge

CalAtlantic Group was not aware of specialized knowledge or experience related to previous environmental activities on the Site.

3.4 Valuation Reduction for Environmental Issues

CalAtlantic Group was not aware of valuation reduction of the Site because of environmental issues.

3.5 Commonly Known or Reasonably Ascertainable Information

CalAtlantic Group was not aware of commonly known or reasonably ascertainable information regarding environmental issues related to the Site.

3.6 Reason for Performing a Phase I ESA

CalAtlantic Group requested a Phase I ESA for acquisition of the Site for residential development.

3.7 Previous Environmental Site Assessments

CTL was not provided with prior ESAs for the Site.

4.0 RECORDS REVIEW

4.1 Physiography

The Site is located on relatively flat terrain, as presented on the topographic area map (Figure 1). The Site is at the top of a hill, and generally slopes gently downward to the east, south, and west, with an approximate average elevation 5,090 feet above mean sea level. The closest surface water is Richard Lake, which is approximately 100 feet southwest of the southwest corner of the Site.

4.2 Geology and Soils

According to the USGS geologic map, the Site is underlain by the upper unit of the Pierre Shale. According to the USDA Web Soil Survey, soils under the Site are described as sandy loams, loams, and clay loams. CTL is currently conducting a geotechnical investigation at the Site, which will be reported under separate cover.

4.3 Groundwater

According to the USGS depth to water map, the depth to groundwater under the Site is expected to be between 5 and 20 feet, with a seasonally perched water table. It is our experience that the flow direction of shallow, unconfined groundwater is generally controlled by topography. Based on topography, we estimate the general direction of groundwater flow below the Site is to the east to southeast. Topographic data suggests areas up-gradient of the Site are generally to the west to northwest.

4.4 Water Wells

Water wells are generally identified through the Colorado Division of Water Resources online water well permit database. The records did not indicate the presence of water wells on the Site or adjoining properties.

4.5 Oil/Gas Wells

Oil and gas wells are identified through the Colorado Oil and Gas Conservation Commission (COGCC) online database. The database showed several wells in the surrounding area:

MSSU #30-5, operated by Prospect Energy LLC, was drilled in 1992 and is surrounded by the Site. COGCC records indicate that the well has been inspected 27 times since 1994. There is a violation listed on the inspection on March 14, 2003, for a spill of approximately half a barrel of oil around the wellhead. No documentation is provided for cleanup of the spill; however, the next inspection report shows satisfactory/passing results. The inspection on March 14, 2003 shows that there was a violation. No description or explanation of the problem is given. The inspection on July 15, 2017, states that flowlines from the well were abandoned. The abandoned flowlines passed inspection. During our reconnaissance, we observed that this well had been abandoned. We received documentation from Kent Pedersen of

CalAtlantic on January 15, 2018, that this well and associated flow lines have been plugged and abandoned in accordance with COGCC guidelines. It is unclear whether any surface or subsurface soil or groundwater assessment was performed at the time of plugging and abandoning. A soil gas survey was conducted and appears to have identified no evidence of hydrocarbons in soil gas near the well.

CTL was provided with conformation soil sampling information for this well from the time it was abandoned in 2017. In June 2017, Talon/LPE collected 5 grab soil samples from an excavation around the plugged and abandoned well. Laboratory analysis of the soil samples for petroleum hydrocarbons did not reveal the presence of petroleum hydrocarbons at concentrations exceeding Colorado standards. Talon/LPE indicated that it did not feel that groundwater sampling and analysis was warranted. Based on the soil analytical data, this well is not considered a REC.

• MSSU #30-15, operated by Prospect Energy LLC, was drilled in 1991 and is surrounded by the Site. COGCC records indicate that the well has been inspected 32 times since 1994. All inspections show satisfactory/passing results except for one inspection on March 14, 2003, which shows that there was a violation. No description or explanation of the problem is given. The inspection on July 15, 2017, states that flowlines from the well were abandoned. The abandoned flowlines passed inspection. During our reconnaissance, we observed that this well had been abandoned. We received documentation from Mr. Pedersen on January 15, 2018, that this well and associated flow lines have been plugged and abandoned in accordance with COGCC guidelines. It is unclear whether any surface or subsurface soil or groundwater assessment was performed at the time of plugging and

abandoning. A soil gas survey was conducted and appears to have identified no evidence of hydrocarbons in soil gas near the well.

CTL was provided with confirmation soil sampling information for this well from the time it was abandoned in 2017. In June 2017, Talon/LPE collected 5 grab soil samples from an excavation around the plugged and abandoned well. Laboratory analysis of the soil samples for petroleum hydrocarbons did not reveal the presence of petroleum hydrocarbons at concentrations exceeding Colorado standards. Talon/LPE indicated that it did not feel that groundwater sampling and analysis was warranted. Based on the soil analytical data, this well is not considered a REC. Soil sampling reports are presented in Appendix B.

MSSU #30-16, operated by Prospect Energy LLC, was drilled in 1992 and is surrounded by the Site. COGCC records indicate that the well has been inspected 35 times since 1994. All inspections show satisfactory/passing results except for one inspection on March 14, 2003, which shows that there was a violation. No description or explanation of the problem is given. The inspection on July 15, 2017, states that flowlines from the well were abandoned. The abandoned flowlines passed inspection. During our reconnaissance, we observed that this well had been abandoned. We received documentation from Mr. Pedersen on January 15, 2018, that this well and associated flow lines have been plugged and abandoned in accordance with COGCC guidelines. It is unclear whether any surface or subsurface soil or groundwater assessment was performed at the time of plugging and abandoning. A soil gas survey was conducted and appears to have identified no evidence of hydrocarbons in soil gas near the well.

CTL was provided with confirmation soil sampling information for this well from the time it was abandoned in 2017. In June 2017, Talon/LPE collected 5 grab soil samples from an excavation around the plugged and abandoned well. Laboratory analysis of the soil samples for petroleum hydrocarbons did not reveal the presence of petroleum hydrocarbons at concentrations exceeding Colorado standards. Talon/LPE indicated that it did not feel that groundwater sampling and analysis was warranted. Based on the soil analytical data, this well is not considered a REC. Soil sampling reports are presented in Appendix B.

MUDDY SANDSTONE UNIT #30-1, operated by Prospect Energy LLC, was drilled in 1978 and is located approximately 250 feet west of the Site. COGCC records indicate that the well has been inspected 12 times since 1994. All inspections show satisfactory/passing results. The inspection dated June 15, 2017, states that flowlines from the well were abandoned. The abandoned flowlines passed inspection. During our reconnaissance, we observed that this well had been abandoned. We received documentation from Mr. Pedersen on January 15, 2018, that this well and associated flow lines have been plugged and abandoned in accordance with COGCC guidelines. It is unclear whether any surface or subsurface soil or groundwater assessment was performed at the time of plugging and abandoning. A soil gas survey was conducted and appears to have identified no evidence of hydrocarbons in soil gas near the well. Based on distance, plugged/abandoned status, and soil gas data, this oil /gas well is not considered a REC.

- BLUNCK #2, operated by Fort Collins Prod., was drilled in 1926 and is located approximately 300 feet west of the Site. COGCC records indicate that the well has been inspected twice since 1994. The most recent inspection, on December 18, 2013, indicates that the well-site has been reclaimed and is now part of a housing development. Based on distance, plugged/abandoned status, and lack of reported violations this oil /gas well is not considered a REC.
- WHITTAKER-BLUNK #3, operated by Pomeroy Producing, was drilled in 1926 and is located approximately 475 feet northwest of the Site. COGCC records indicate that the well has been inspected twice since 1994. The inspections state that the well-site has been abandoned and was reclaimed as grassland in 1994 and was part of a housing development in 2013. Based on distance, plugged/abandoned status, and lack of reported violations this oil /gas well is not considered a REC.
- HAWKINS #1, operated by Fort Collins Prod., was drilled in 1956 and
 is located approximately 250 feet north of the Site. COGCC records
 show that the well has been inspected twice since 2007. The
 inspections indicate that the well has been abandoned and is
 reclaimed as grass. Based on distance, crossgradient position,
 plugged/abandoned status, and lack of reported violations, this oil and
 gas well is not considered a REC.
- JOHNSON #1, operator and drill date unknown, is located approximately 700 feet north of the Site. COGCC records show that the well was inspected once in 2007. The inspection states that the surface is now used for housing and corrals. Based on distance, crossgradient position, plugged/abandoned status, and lack of

reported violations, this oil and gas well is not considered a REC.

• FT. COLLINS MUDDY UNIT #30-4, operated by Prospect Energy LLC, was drilled in 1979 and is located approximately 100 feet north of the Site. COGCC records show that the well has been inspected 13 times since 1997. All inspections show satisfactory/passing results. One inspection mentioned that there was minor leakage around the well. The inspection dated June 15, 2017, states that flowlines from the well were abandoned. The abandoned flowlines passed inspection. During our reconnaissance, we observed that this well had been abandoned. We received documentation from Mr. Pedersen on January 15, 2018, that this well and associated flow lines have been plugged and abandoned in accordance with COGCC guidelines. It is unclear whether any surface or subsurface soil or groundwater assessment was performed at the time of plugging and abandoning. A soil gas survey was conducted and appears to have identified no evidence of hydrocarbons in soil gas near the well.

CTL was provided with confirmation soil sampling information for this well from the time it was abandoned in 2017. In June 2017, Talon/LPE collected 5 grab soil samples from an excavation around the plugged and abandoned well. Laboratory analysis of the soil samples for petroleum hydrocarbons did not reveal the presence of petroleum hydrocarbons at concentrations exceeding Colorado standards. Talon/LPE indicated that it did not feel that groundwater sampling and analysis was warranted. Based on the soil analytical data, this well is not considered a REC. Soil sampling reports are presented in Appendix B.

- WATER SUPPLY #1, operated by Union Oil Company of California,
 was drilled in 1925 and is located approximately 550 feet west of the
 Site. COGCC records show that well was inspected in 2013 and 2017.
 Both inspection records indicate that there is no sign of the well at the
 given coordinates. The 2017 inspection states there could still be
 abandoned flowlines in the area. Based on distance and inspection
 records, this well is not considered a REC.
- MUDDY SANDSTONE UNIT #30-2, operated by Prospect Energy LLC, was drilled in 1978 and is located approximately 1,500 feet west of the Site. COGCC records show that the well has been inspected 19 times since 1994. The inspections on July 27 and August 3, 2010, were failed due to problems with the cement used for repair work. Another inspection was failed on October 21, 2010, because of more problems with repair work. All subsequent inspections show satisfactory/passing results. Based on distance, this well is not considered a REC.
- MSSU #30-14, operated by Prospect Energy LLC, was drilled in 1989 and is located approximately 1,500 feet west of the Site. COGCC records show that the well has been inspected 23 times since 1994. All inspections show satisfactory/passing results. Based on distance, this well is not considered a REC.
- MSSU #31-1, operated by Prospect Energy LLC, was drilled in 1992 and is located approximately 550 feet south of the Site. COGCC records show that the well has been inspected 32 times since 1994.
 There is a failed inspection listed on June 25, 2003, but no explanation is given. Another inspection was failed on June 26, 2007, due to "MIT failed with tubing packer leak." The inspection on June 24, 2008, failed

with the same explanation given. The following inspection indicates that the problem was repaired. An inspection on October 4, 2010, shows unsatisfactory results but no explanation is given. All subsequent inspections show satisfactory/passing results. Based on distance and downgradient position, this well is not considered a REC.

- MSSU #31-2, operated by Prospect Energy LLC, was drilled in 1992 and is located approximately 550 feet south of the Site. COGCC records show that the well has been inspected 32 times since 1994. There is a failed inspection listed on June 26, 2007, due to "MIT failed with tubing packer leak." An inspection on October 4, 2010, shows unsatisfactory results but no explanation is given. All subsequent inspections show satisfactory/passing results. Based on distance and downgradient position, this well is not considered a REC.
- MSSU #30-18, operated by Prospect Energy LLC, was drilled in 1992 and is located approximately 550 feet south of the Site. COGCC records show that the well has been inspected 25 times since 1994. An inspection on October 4, 2010, shows unsatisfactory results but no explanation is given. All other inspections show satisfactory/passing results. Based on distance and downgradient position, this well is not considered a REC.
- MSSU #30-19, operated by Prospect Energy LLC, was drilled in 1992 and is located approximately 550 feet south of the Site. COGCC records show that the well has been inspected 26 times since 1994. An inspection on October 4, 2010, shows unsatisfactory results but no explanation is given. All other inspections show satisfactory/passing results. Based on distance and downgradient position, this well is not considered a REC.

- MSSU #31-3, operated by Prospect Energy LLC, was drilled in 1992 and is located approximately 550 feet south of the Site. COGCC records show that the well has been inspected 30 times since 1994. An inspection on October 4, 2010, shows unsatisfactory results but no explanation is given. All other inspections show satisfactory/passing results. Based on distance and downgradient position, this well is not considered a REC.
- MUDDY SANDSTONE UNIT #30-34, operated by Whiting Oil & Gas
 Corporation, was drilled in 1978 and is located approximately 300 feet
 southwest of the Site. COGCC records show that the well was
 inspected once in 2007. The inspection states that the area was
 restored in grass adjacent to the reservoir. Based on distance and
 downgradient position, this well is not considered a REC.

4.6 Physical Setting Analysis of Migration of Hazardous/Petroleum Substances

A hypothetic spill of a hazardous or petroleum substance on the Site would be expected to migrate along the ground surface following topography, flowing generally toward the south or east. Off-Site surface spills on the adjoining parcels to the north and northwest appear to have the highest potential to migrate on-Site. Based on local topography, we estimate groundwater generally flows to the east to southeast. Sources of contamination to ground water beneath the Site, if present, would most likely be located to the west to northwest.

5.0 HISTORICAL USE INFORMATION

5.1 Historical Aerial Photographs and Topographic Maps

Historical aerial photographs of the Site and surrounding area were reviewed for 1937, 1941, 1950, 1969, 1971, 1978, 1984, 1988, 1993, 1999, 2005,

2006, 2009, 2011, and 2016; copies of the 1937-2011 photographs are presented in Appendix C. The 2016 aerial photo is presented in Figure 2. USGS topographic maps were reviewed for 1960 and 1978. An interpretation of the aerial photographs and topographic maps is presented, as follows:

1937 - 1978: The Site appears to be used for farmland, with roads between fields, a ditch crossing the north part of the Site, and another ditch crossing the west part of the Site. A homestead is present adjoining the south end of the Site. Turnberry Road and Richard's Lake are present. Adjoining properties in all directions appear to be farmland with scattered residential homesteads.

1984 - 1993: The Site now appears to be farmland or vacant/fallow land. The ditches do not appear to be present on the Site anymore. New residential developments are present to the north and south of the Site. Several oil/gas wells appear to be present in the area surrounding the Site, with a road between two wells crossing the west side of the Site.

1999: A new residential development has been built northeast of the Site.

2005 - 2016: The south portions of the Site have some areas of disturbed land. A new residential development has been built immediately south and southeast of the Site.

5.2 Sanborn Fire Insurance Maps

Sanborn fire insurance maps were a tool used by the fire insurance industry to evaluate property risk. The maps often show details of historic dwellings, commercial buildings, and factories, indicate property uses and addresses, and show locations of items such as wells, cisterns, and fuel storage tanks. Sanborn fire insurance map coverage was not available for the Site and surrounding area.

5.3 **Historical City Directories**

Due to the predominant historical agricultural use of the Site and the lack of

a street address, historic city directories were not reviewed for the Site.

5.4 **Assessor Records**

We reviewed Larimer County Assessor online files for the Site. Records

indicate the Site is owned by Waters Edge West, LLC. No record of improvements

is shown.

5.5 Zoning/Land Use Records

The City of Fort Collins Zoning Map indicates that the Site is currently zoned

LMN for low density mixed-use neighborhood district.

6.0 REGULATORY AGENCY RECORDS

Regulatory agency records were provided by EDR. The database report,

dated July 28, 2017, is presented in Appendix D and contains a full description of

findings, definitions of databases reviewed, and a list of database acronyms. The

following discusses pertinent findings of the database search.

6.1 On-Site Findings

The Site was not listed on the databases searched.

6.2 Off-Site Findings

One listing was identified in the surrounding area:

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Fort Collins Country Club, located approximately 1,000 feet to the south and downgradient at 1920 County Club Road, is listed twice, on the underground storage tank (UST), and leaking UST (LUST) databases. According to the database listings, the facility has two USTs that are both listed as permanently closed. The LUST listing indicates that a UST release was confirmed in 1990, but the case is now listed as closed. Based on distance, its downgradient position, and its closed case status, this facility is unlikely to have impacted the Site and is therefore not considered a REC.

The database had no Orphan listings, which are facilities that cannot be mapped due to incomplete or inaccurate information.

6.3 <u>Local Government Records</u>

CTL contacted the Poudre Fire Authority regarding information or knowledge of hazardous spills and underground storage tank (UST) releases that have occurred on or near the Site. Because the Site does not have a specific address, they were unable to search for records.

CTL contacted the Larimer County Department of Public Health and Environment information or knowledge of hazardous spills and underground storage tank (UST) releases that have occurred on or near the Site. The agency has not responded at this time. If the agency responds and it significantly alters our conclusions, we will notify you in writing.

7.0 SITE RECONNAISSANCE

The following section discusses observations made during our Site reconnaissance.

7.1 <u>Methodology and Limiting Conditions</u>

Mr. Levi Stockton conducted a Site visit on August 11, 2017. The majority of the Site was accessed by walking and driving. A photographic record of the Site reconnaissance is presented in Appendix A.

7.2 <u>Description of Site Structures and Roads</u>

There are no structures on the Site. Dirt roads are present on the southwest portion of the Site.

7.3 <u>Site Observations</u>

During our reconnaissance, we specifically looked for obvious evidence of the Site features listed in Table I. Table I lists features typically observed outside of Site structures. An "X" located within the table indicates that the feature was readily observable during our visit. Those features which were observed on the Site are discussed in further detail within the following subsection(s).

Table II
Exterior Site Features

	Aboveground Storage Tanks		Stained Soil and/or Pavement
	Air Emissions Sources	Χ	Stockpiles of Soil or Debris
	Cultivated Land/Crops		Stressed Vegetation
	Drains, Sumps, Pits		Surface Water, Streams, Ponds, Lagoons
	Hazardous Material Storage		Transformers (Potential PCB)
	High Power Transmission Lines		Underground Storage Tanks
Х	Natural Gas Pipelines	Χ	Unidentified Piping Below Grade
	Odors		Unidentified Substance Containers
	Petroleum Pipelines		Vehicle Maintenance Areas
Х	Physical Irregularities		Waste Water Discharge
	Placed Fill or Imported Soils		Waste Treatment Processes
	Railroad Lines		Wells (Agricultural, Water Supply)

	Septic Systems or Leach Fields	Wells (Monitoring)
Х	Solid Waste or Disposal Areas	Wells (Oil or Natural Gas)

7.3.1 Natural Gas Pipelines

CTL observed markers for underground natural gas pipelines on or immediately adjacent to the Site. Due to the nature of natural gas, the presence of natural gas pipelines would not be considered a REC.

7.3.2 Solid Waste or Disposal Areas/Stockpiles of Soil or Debris

On the southwest portion of the Site, along the access roads crossing the Site, CTL observed numerous stockpiles of landscaping waste. No hazardous materials, staining, or stressed vegetation were observed. These stockpiles are not considered a REC, but they should be cleaned up and disposed properly.

7.3.3 Physical Irregularities

The southeast part of the Site appears to contain part of a stormwater detention basin. This is not considered a REC.

7.3.4 Unidentified Piping Below Grade

CTL observed one approximately six-inch diameter metal pipe, partially damaged and severely rusted, sticking out of the ground on the southwest portion of the Site. The pipe appeared to travel horizontally to the southwest, but its extent is not clear. The purpose of the pipe was unclear. It is possible that the pipe was associated with a former oil and gas well off-Site. No staining or odors were observed in the vicinity of the exposed pipe. Based on lack of evidence of contamination, this is not considered a REC, however, the pipe should be carefully

excavated to verify that it is not associated with an oil/gas well. If the pipe is associated with an oil/gas well, it should be abandoned in accordance with COGCC regulations.

7.4 Review of Adjoining Properties

General observations of properties adjacent to the Site were performed in conjunction with on-Site observations made on August 11, 2017. Land use in the vicinity of the Site consists primarily of residential and agricultural uses. Properties immediately adjacent to the Site are described below, based on outdoor observations from the Site or nearby public streets.

- North: The Site is bounded to the north by a dirt access road, across which are residences.
- East: The east side of the Site is bounded to the east by
 Turnberry Road, across which is vacant land. The
 southwest portion of the Site tract is bordered on the east
 by vacant land and a playground.
- South: The Site is bounded on the south by vacant land, residences, and Brightwater Drive, beyond which are more residences.
- West: The west side of the Site is bordered on the west by vacant land. The southeast portion of the Site is bounded on the west by vacant land with large stockpiles of soil.

Observation of adjacent properties did not reveal obvious visual indications of environmental concern. We did not observe evidence of landfills, lagoons, pits,

or other waste treatment or disposal operations; underground storage tanks, spills, releases, or discharge of hazardous material.

8.0 INTERVIEWS

8.1 Owner, Site Manager and/or Occupants

CTL interviewed Mr. Joe Knopinski, representative for the current owner, who deferred us to Mr. Bill Swalling, also a representative for the current owner. Mr. Swalling stated that Waters Edge West LLC purchased the Site from a bank in 2012, and had it under contract since 2005. He explained that the Site had always been used for farming to the best of his knowledge, and that it had been used for growing hay for several years after they purchased it. Mr. Swalling was not aware of any hazardous materials usage or storage on the Site. He stated that he did not believe there had ever been any buildings present on the Site. He was not aware of any spills or releases from the oil/gas wells immediately surrounding the Site. Mr. Swalling was not aware of any fuel tanks, hazardous materials, or other environmental concerns associated with the Site.

9.0 DEVIATIONS

9.1 Exceptions and Deletions

ASTM Standard E 1527-13 for Phase I Environmental Site Assessments, Section 8.3.2, states that "all obvious uses of the Site shall be identified from the present, back to the Site's obvious first developed use, or back to 1940, whichever is earlier." The term "developed use" includes agricultural uses (i.e., cultivated land/agricultural crops) and placement of fill. In our opinion, livestock rangeland is not a developed use.

The historical documentation for this assessment went back to 1937, at which time the Site appeared to be farm land. We were not able to ascertain the date of first use. Thus, the historical documentation was not fully satisfied for the ASTM standard.

It is the opinion of CTL that obtaining earlier historical information would not be sufficiently useful, reasonably ascertainable, or change the likelihood for the presence of a REC on the Site.

9.2 Data Gaps

CTL contacted the local health department for information regarding hazardous materials incidents that may have occurred on or near the Site. The agency has not responded at this time. This does not appear to be a significant data gap based on other information reviewed during this assessment.

10.0 FINDINGS AND OPINION

10.1 Summary of Site Historical Use

As of 1937, or earlier, the Site and adjoining properties appear to have been used for farming. The Site appears to have remained in farming use until at least 1993. The Site appears to have been vacant or fallow former farmland since 1999.

The Site was previously in agricultural use. The use of pesticides and herbicides can sometimes present a potential concern because these chemicals can adversely impact the soil and ground water beneath the Site. However, many of these chemicals used today degrade quickly in the natural environment. We did not observe evidence of the usage or storage of banned chemicals (e.g. DDT, Dieldrin) at the Site; we believe that normal application of agricultural chemicals at the Site is a *de minimis* environmental condition.

10.2 Nearby Environmental Concerns

There are numerous oil/gas wells surrounding the Site, including three that were adjoining and were abandoned recently. Soil sampling was conducted at these wells in June 2017 and no petroleum hydrocarbons were identified in soils at concentrations exceeding Colorado Oil and gas Conservation Commission limits. However, no groundwater assessment was performed. Based on the plugging/abandonment of these wells and the soil analytical information, there is no indication of releases from the wells, and these wells are not considered a REC.

10.3 Storm Water Discharges Associated With Construction Activity

Under current Federal/state regulations, construction sites that disturb one acre, or are part of a larger development in which total disturbed area is equal to or greater than one acre, are required to apply for a General Permit for Storm Water Discharges Associated With Construction Activity (General Permit) from the Colorado Department of Public Health and Environment (CDPHE). Some Municipal Separate Storm Sewer Systems (MS4s) also require additional permitting for construction Sites within their jurisdiction.

The General Permit application must be submitted to the CDPHE at least 10 days prior to the start of construction activities. The General Permit requires a Storm Water Management Plan (SWMP) to be developed, implemented, and modified as needed from before commencement of construction activities until final stabilization is complete and a Notice of Termination has been submitted to the CDPHE. Furthermore, the General Permit requires that Site inspections be performed at least every 14 calendar days and within 24 hours following a storm event that causes significant movement of sediment on-Site. The local MS4 may require more frequent inspections. Complete and current storm water management plans should be kept on-Site. CTL can assist with your storm water management and compliance needs, if desired.

11.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Practice E 1527-13 of the Waters Edge Second Filing property, which consists of vacant land with a total area of 35 acres. Any exceptions to, or deletions from, this practice are described in Section 9.1 of this report.

Although the presence of the plugged/abandoned wells around the Site does not rise to the level of a Recognized Environmental Condition, it should be noted that groundwater was not assessed as part of the closure of these wells. If a greater degree of certainty were desired regarding potential releases from the wells, groundwater sampling and analysis should be performed.

There may be additional considerations with development around former oil and gas wells. State and local requirements should be followed with respect to setbacks away from plugged/abandoned wells. It may be warranted to perform independent verification that flowlines and other appurtenances have been properly abandoned.

12.0 QUALIFICATIONS

This Phase I ESA was performed under the responsible charge of Mr. Dana L. Harris. Mr. Harris has performed or reviewed over 1,000 Phase I ESAs in the State of Colorado, and has been practicing within the local environmental consulting profession for at least twelve years. The resumes of the individuals conducting this Phase I ESA are included in Appendix E.

Mr. Harris declares that, to the best of his professional knowledge and belief, he meets the definition of an Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education,

training and experience to assess a property of the nature, history and setting of the subject Site. I have developed and performed all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312.

We believe that this ESA was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the locality of the project. No warranty, express or implied, is made.

If we can be of further service in discussing the contents of this report, please call.

CTL | THOMPSON, INC.

Levi A. Stockton, EIT

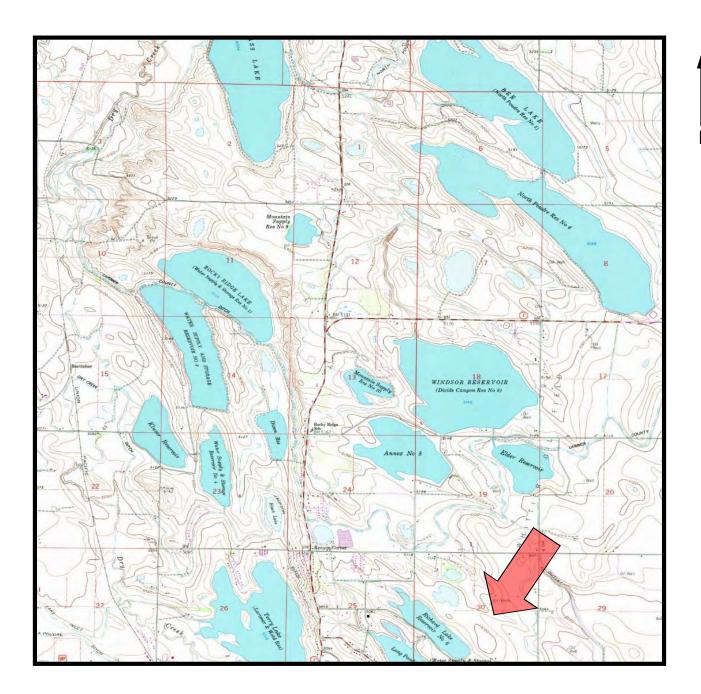
Staff Engineer

Environmental Department Manager

REFERENCES

- City of Fort Collins, Zoning Map, accessed August 2, 2017. http://gisweb.fcgov.com/HTML5Viewer/Index.html?viewer=FCMaps&Layer
 Theme=zoning%20districts
- Colorado Oil and Gas Conservation Commission, GIS Online, https://cogccmap.state.co.us/cogcc_gis_online/, accessed August 10, 2017.
- Colorado Division of Water Resources, Map Search, https://www.coloradodnr.info/h5v/Index.html?viewer=dwrwellpermit, accessed August 2, 2017.
- Environmental Data Resources, Inc., <u>The EDR Aerial Photo Decade Package</u>, Inquiry No. 5007624.5, July 31, 2017.
- Environmental Data Resources Inc, <u>The EDR Radius Map Report</u>, Inquiry Number 5007624.2s, dated July 28, 2017.
- Environmental Data Resources Inc, <u>Certified Sanborn® Map Report</u>, Inquiry Number 5007624.3, dated July 28, 2017.
- Information Request, Poudre Fire Authority, August 11, 2017.
 https://www.poudre-fire.org/services/fire-prevention/records-reports/fire-prevention-bureau-technical-information-research-request
- Information Request, Larimer County Department of Public Health and Environment, July 27, 2017. http://www.larimer.org/health/ehs/records.asp
- Interview, Mr. Bill Swalling, Waters Edge West, LLC, August 16, 2017. 303-949-2629.
- Interview, Mr. Joe Knopinski, Waters Edge West, LLC, August 16, 2017. 720-480-9670.
- Larimer County Assessor, online records reviewed August 2, 2017. https://maps1.larimer.org/gvh/?Viewer=LIL&run=Theme&theme=Land%20 Information
- User Questionnaire completed by Kent Pedersen, on August 1, 2017.

- USDA, Web Soil Survey, accessed August 2, 2017 https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
- USGS, 7.5-Minute Topographic Map, Wellington, Colorado, Quadrangle, 1960, 1960 photorevised 1978.
- USGS, Depth to Water Table Map of the Boulder Fort Collins Greeley Area, Colorado, Map I-855-I, 1976.
- USGS, Geologic Map of Colorado, 1979.



Source:
U.S.G.S. Topographic Map
Wellington Quadrangle, Colorado
Revised 1978

Not to Scale

Waters' Edge Developments, Inc. Waters Edge, Second Filing Job No. FC08010.000-200 AREA MAP





*Approximate Site boundaries

Source: Google Earth 2016 **Not to Scale**

AREA MAP

APPENDIX A SITE PHOTOGRAPHS



Southeast corner of southwest portion of Site looking north



Southwest corner of Site looking north



Southwest corner of Site looking east



Stockpiles of landscaping waste



Site Photographs - Phase I ESA

Waters Edge, Second Filing Fort Collins, Colorado August 2017



Metal pipe on southwest portion of Site



Middle of north end Site looking west



West end of north portion of Site looking east



Middle of north end Site looking south



Site Photographs – Phase I ESA

Waters Edge, Second Filing Fort Collins, Colorado August 2017



Middle of north end Site looking east



Northeast corner of Site looking south



Northeast corner of Site looking west



East end of southeast portion of Site looking southwest



Site Photographs - Phase I ESA

Waters Edge, Second Filing Fort Collins, Colorado August 2017

APPENDIX B OIL WELL ABANDONMENT DOCUMENTATION



June 28, 2017

Mr. Ward Giltner Prospect Energy, LLC 1229 East Douglas Road Fort Collins, Colorado 80524

RE: Confirmation Sampling MSSU 30-1 Well Larimer County, Colorado Project # 702108.003.01

Mr. Giltner:

On June 23, 2017, Talon/LPE conducted confirmation soil sampling at the MSSU 30-1 Well location (site) in Larimer County, Colorado. The purpose of the sampling event was to ensure that all hydrocarbon impacted soil had been removed to the extent required by the Colorado Oil and Gas Conservation Commission (COGCC) following plugging and abandonment of the well.

A total of five (5) grab samples (SW-N @ 4', SW-E @ 4', SW-S @ 4', SW-W @ 4', and BH-1 @ 8') were collected in the excavation around the plugged and abandoned well casing. A site map with the sample locations is presented in Figure 1.

The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethyl-benzene, and Xylenes (BTEX) via method EPA8260B at Summit Scientific (Summit) in Golden, Colorado. All samples were reported to exhibit both TPH and BTEX concentrations below COGCC Table 910-1 concentration levels. A soil concentration map is presented in Figure 2 and a breakdown of the soil analytical data is presented in Table 1.

Based upon the collected analytical data, Talon/LPE believes that the hydrocarbon impacted soils surrounding the plugged and abandoned well casing have been removed to the extent required by the COGCC and no further corrective action is necessary. If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

Colby Sterling
District Manager

Talon/LPE



Table 1 - Soil Analytical Data

Prospect Energy MSSU 30-1 Larimer County, Colorado

					Cor	ncentration (mg	/kg)		
Sample ID	Lab ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	ТРН
COGCC Table 910-1	Concentration Le	vels	0.17	85	100	175	NA	NA	500
SW-N @ 4'	1706242-01	06/23/17	< 0.0020	< 0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-E @ 4'	1706242-02	06/23/17	< 0.0020	< 0.0050	< 0.0050	< 0.0050	<0.5	60	60
SW-S @ 4'	1706242-03	06/23/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-W @ 4'	1706242-04	06/23/17	< 0.0020	< 0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
BH-1 @ 8'	1706242-05	06/23/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	78	78

mg/kg - milligrams per kilogram

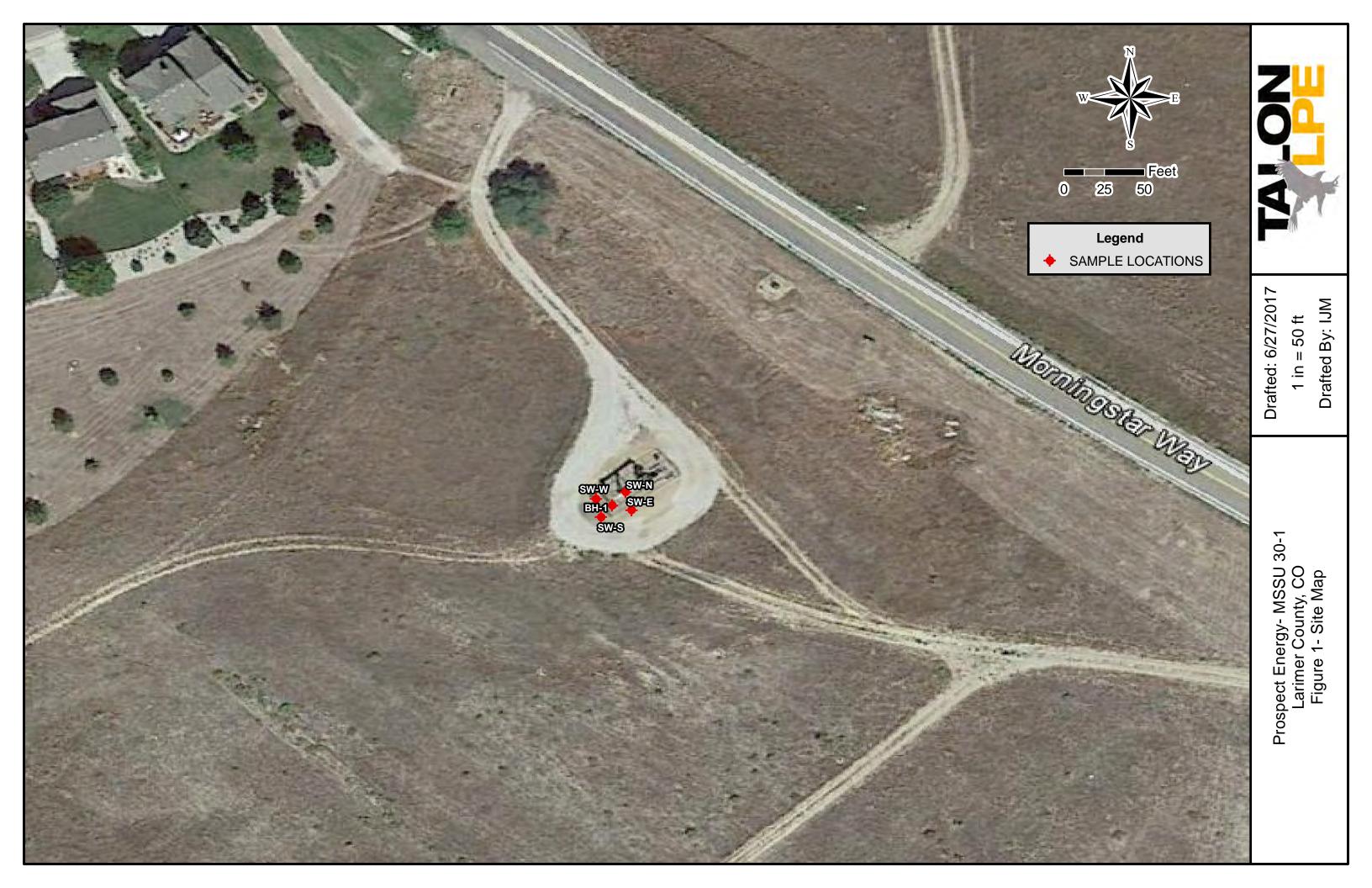
< - Analytical result is less than the reporting limit

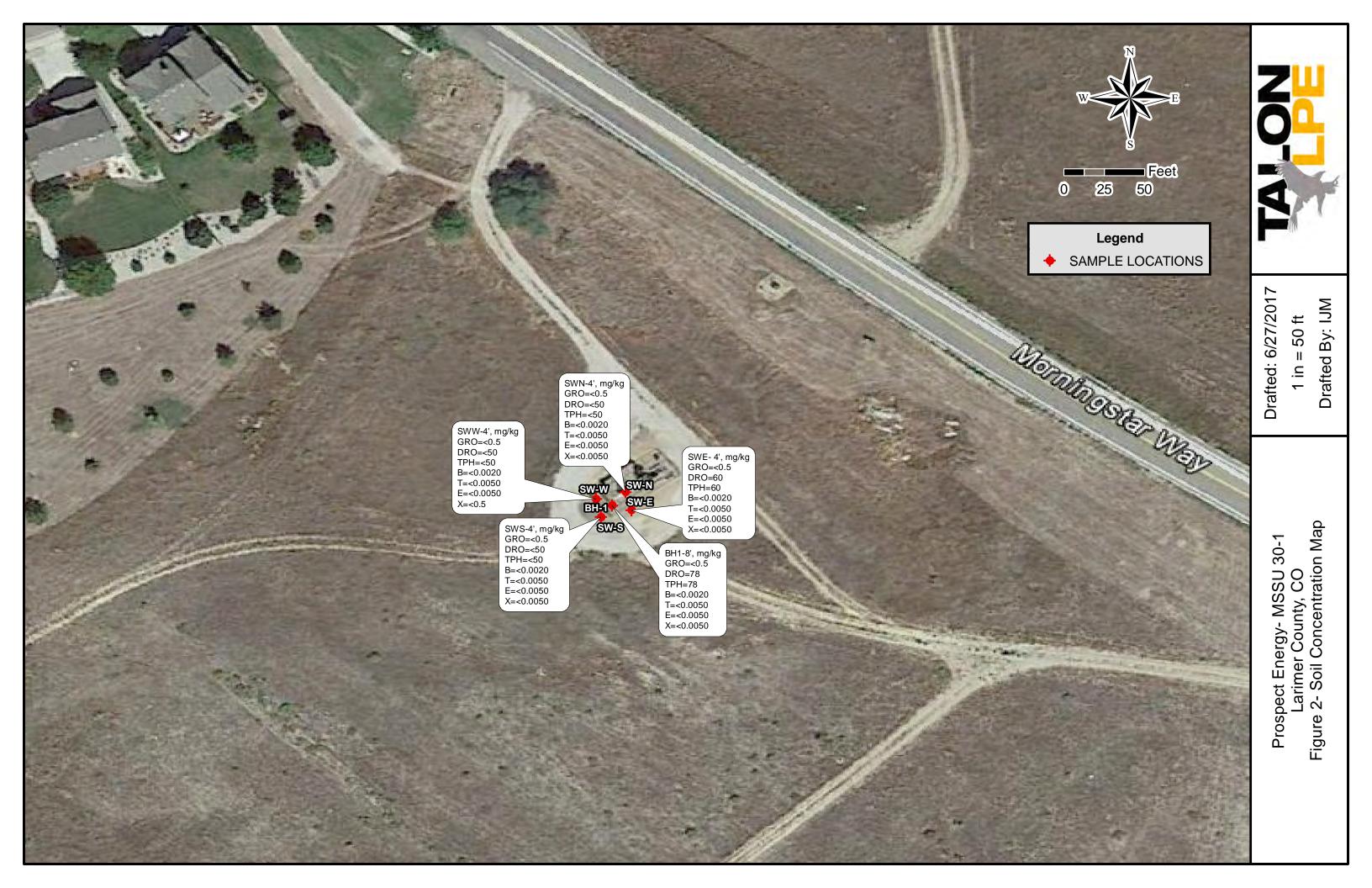
COGCC - Colorado Oil and Gas Conservation Commisssion

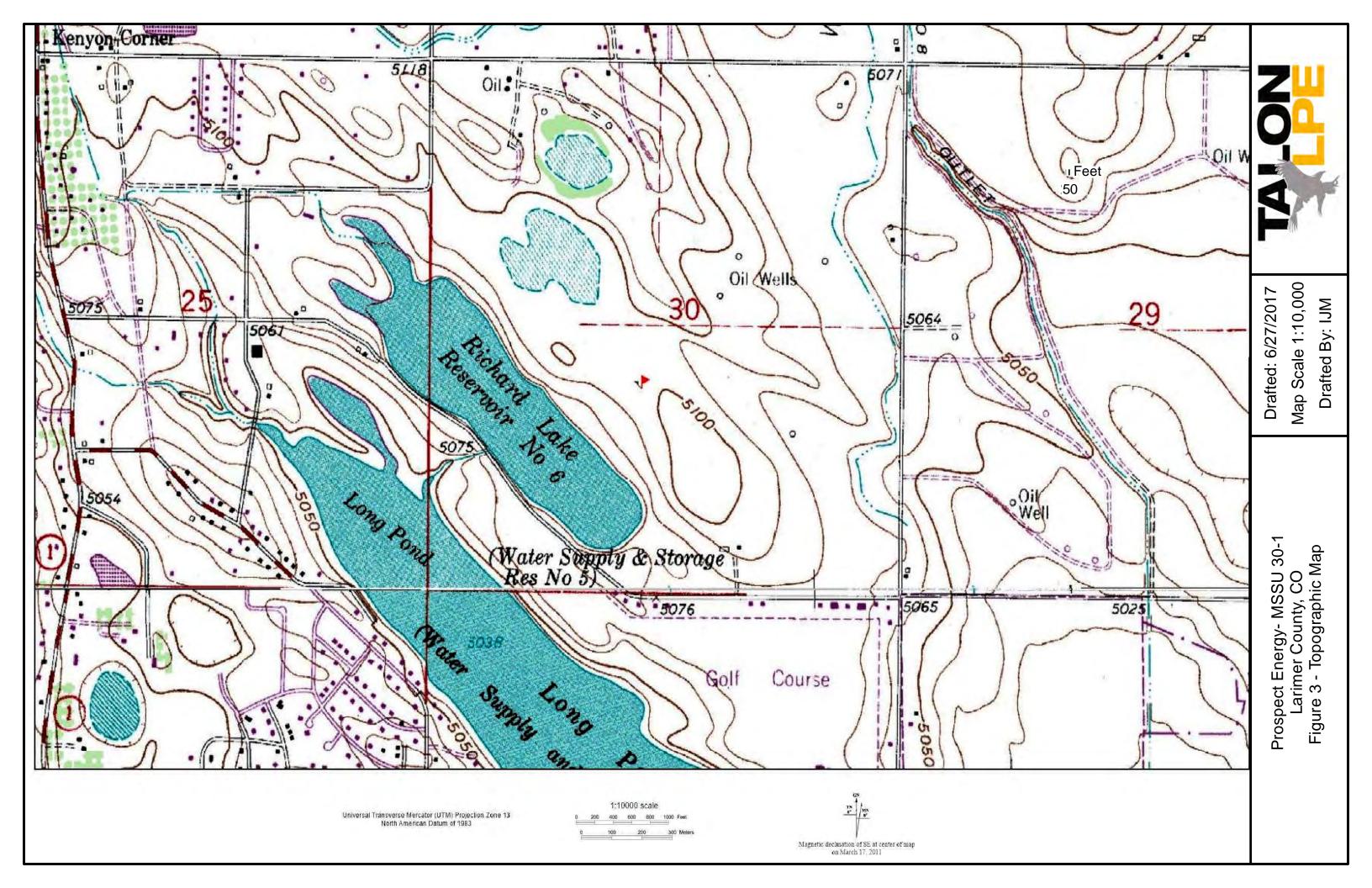
GRO - Gasoline Range Organics

DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)







Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

June 25, 2017

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Prospect Energy - MSSU 30-1

Enclosed are the results of analyses for samples received by Summit Scientific on 06/23/17 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Shrewsbury

President



Talon/LPE Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Project Number: [none]702108.003.01
Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/25/17 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-N@4'	1706242-01	Soil	06/23/17 09:30	06/23/17 18:00
SW-E@4'	1706242-02	Soil	06/23/17 09:35	06/23/17 18:00
SW-S@4'	1706242-03	Soil	06/23/17 09:40	06/23/17 18:00
SW-W@4'	1706242-04	Soil	06/23/17 09:45	06/23/17 18:00
BH-1@8'	1706242-05	Soil	06/23/17 09:50	06/23/17 18:00

MM



Talon/LPE

1811 E Mulberry

Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-1

Project Number: [none]702108.003.01 Project Manager: Colby Sterling **Reported:** 06/25/17 13:08

1706242

Summit Scientific

741 Corporate Circle Suite I • Golden, Colorado 80401 303-277-9310 • 303-374-5933 Fax

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SW-E @ 4'	6/23/2017	935	1	Н	Н	x	\neg	Н	x		\vdash	v	v	\vdash	-	\vdash	\vdash	-	+	1			- 1
SW-S @ 4'	6/23/2017	940	1	Н	\vdash	x		Н	x			v	x	\vdash	\vdash		\vdash	-	+-	1			- 1
SW-W @ 4'	6/23/2017	945	1	Н	-	x		_	x			v	x	\vdash	\vdash		-	-	-	1			
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www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project: Prospect Energy - MSSU 30-1

Project Number: [none]702108.003.01

Reported:

Ft Collins CO, 80524

Project Manager: Colby Sterling

06/25/17 13:08

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Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Ft Collins CO, 80524

Project Number: [none]702108.003.01 Project Manager: Colby Sterling

Reported: 06/25/17 13:08

SW-N@4' 1706242-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/23/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706246	06/23/17	06/23/17	8015M	
				Date Sa	mpled:	06/23/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Surrogate: o-Terphenyl 116 % 30-150

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/23/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706245	06/23/17	06/24/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/23/17 09:30

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		100 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-	167	"	"	"	"	

Summit Scientific

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1811 E Mulberry

Project: Prospect Energy - MSSU 30-1

Ft Collins CO, 80524

Project Number: [none]702108.003.01 Project Manager: Colby Sterling **Reported:** 06/25/17 13:08

SW-E@4' 1706242-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/23/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	60	50	mg/kg	1	1706246	06/23/17	06/24/17	8015M	
				Date Sa	mpled:	06/23/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		114 %	30	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/23/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706245	06/23/17	06/24/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	n .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	n .	

Date Sampled: 06/23/17 09:35

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		98.2 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-	167	"	"	"	"	

Summit Scientific

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1811 E Mulberry Ft Collins CO, 80524 Project: Prospect Energy - MSSU 30-1

Project Number: [none]702108.003.01 Project Manager: Colby Sterling

Reported: 06/25/17 13:08

SW-S@4' 1706242-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	npled:	06/23/1	7 09:40		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706246	06/23/17	06/24/17	8015M	

Date Sampled: 06/23/17 09:40

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		117 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/23/1	7 09:40		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706245	06/23/17	06/24/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	m .	

06/23/17 09:40 Date Sampled:

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		120 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		102 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Talon/LPE

Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Ft Collins CO, 80524

Project Number: [none]702108.003.01 Project Manager: Colby Sterling **Reported:** 06/25/17 13:08

SW-W@4' 1706242-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/23/1	7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706246	06/23/17	06/24/17	8015M	
				D . 0		0 < 10 0 14	- 00 4-		

Date Sampled: **06/23/17 09:45**

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		116 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/23/1	7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706245	06/23/17	06/24/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/23/17 09:45

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MIMI



Project: Prospect Energy - MSSU 30-1

Ft Collins CO, 80524

Project Number: [none]702108.003.01 Project Manager: Colby Sterling **Reported:** 06/25/17 13:08

BH-1@8' 1706242-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/23/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	78	50	mg/kg	1	1706246	06/23/17	06/24/17	8015M	
				Date Sar	mpled:	06/23/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/23/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706245	06/23/17	06/24/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	n .	

Date Sampled: 06/23/17 09:50

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		99.7 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MM



Project: Prospect Energy - MSSU 30-1

Ft Collins CO, 80524

Project Number: [none]702108.003.01 Project Manager: Colby Sterling **Reported:** 06/25/17 13:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706246 - EPA 3550A										
Blank (1706246-BLK1)				Prepared	& Analyz	ed: 06/23/	17			
C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	14.0		"	12.5		112	30-150			
LCS (1706246-BS1)				Prepared	& Analyz	ed: 06/23/	17			
C10-C28 (DRO)	566	50	mg/kg	499		113	73-134			
Surrogate: o-Terphenyl	14.6		"	12.5		117	30-150			
Matrix Spike (1706246-MS1)	Sour	ce: 170623	3-01	Prepared	& Analyz	ed: 06/23/	17			
C10-C28 (DRO)	524	50	mg/kg	499	29.0	99.3	50-148			
Surrogate: o-Terphenyl	14.3		"	12.5		115	30-150			
Matrix Spike Dup (1706246-MSD1)	Sour	ce: 170623	3-01	Prepared	& Analyz	ed: 06/23/	17			
C10-C28 (DRO)	541	50	mg/kg	499	29.0	103	50-148	3.01	20	
Surrogate: o-Terphenyl	14.5		"	12.5		116	30-150			



Falon/LPE Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Project Number: [none]702108.003.01 Reported:
Ft Collins CO, 80524 Project Manager: Colby Sterling 06/25/17 13:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706245 - EPA 5030 Soil MS										
				_						

Blank (1706245-BLK1)				Prepared &	& Analyz	ed: 06/23	/17
Benzene	ND	0.0020	mg/kg				
Toluene	ND	0.0050	"				
Ethylbenzene	ND	0.0050	"				
Xylenes (total)	ND	0.0050	"				
Gasoline Range Hydrocarbons	ND	0.50	"				
Surrogate: 1,2-Dichloroethane-d4	0.0448		"	0.0400		112	23-173
Surrogate: Toluene-d8	0.0390		"	0.0400		97.5	20-170
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0400		104	21-167
LCS (1706245-BS1)				Prepared &	& Analyze	ed: 06/23	/17
Benzene	0.0846	0.0020	mg/kg	0.100		84.6	58-130
Toluene	0.0920	0.0050	"	0.100		92.0	61-134
Ethylbenzene	0.0920	0.0050	"	0.0992		92.8	74-139
m,p-Xylene	0.182	0.010	"	0.200		91.1	73-137
o-Xylene	0.0922	0.0050	"	0.0980		94.0	73-141
Xylenes (total)	0.274	0.0050	"				30-150
Gasoline Range Hydrocarbons	0.346	0.50	"				30-150
Surrogate: 1,2-Dichloroethane-d4	0.0433		"	0.0400		108	23-173
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	20-170
Surrogate: 4-Bromofluorobenzene	0.0429		"	0.0400		107	21-167
Matrix Spike (1706245-MS1)	Sou	rce: 170623	3-01	Prepared &	& Analyzo	ed: 06/23	/17
Benzene	0.0800	0.0020	mg/kg	0.100	ND	80.0	30-131
Toluene	0.0873	0.0050	"	0.100	ND	87.3	30-134
Ethylbenzene	0.0864	0.0050	"	0.0992	ND	87.1	22-153
m,p-Xylene	0.168	0.010	"	0.200	ND	84.4	10-159
o-Xylene	0.0856	0.0050	"	0.0980	ND	87.4	31-151
Xylenes (total)	0.254	0.0050	"		ND		30-150
Gasoline Range Hydrocarbons	0.334	0.50	"		0.303		30-150
Surrogate: 1,2-Dichloroethane-d4	0.0430		"	0.0400		107	23-173
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	20-170
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		103	21-167

Summit Scientific

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Talon/LPE Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Project Number: [none]702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/25/17 13:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1706245 - EPA 5030 Soil MS

Matrix Spike Dup (1706245-MSD1)	Sou	rce: 170623	3-01	Prepared & Analyzed: 06/23/17						
Benzene	0.0864	0.0020	mg/kg	0.100	ND	86.4	30-131	7.64	34	
Toluene	0.0931	0.0050	"	0.100	ND	93.1	30-134	6.45	30	
Ethylbenzene	0.0909	0.0050	"	0.0992	ND	91.7	22-153	5.11	24	
m,p-Xylene	0.179	0.010	"	0.200	ND	89.8	10-159	6.16	68	
o-Xylene	0.0898	0.0050	"	0.0980	ND	91.7	31-151	4.79	38	
Xylenes (total)	0.269	0.0050	"		ND		30-150	5.70	20	
Gasoline Range Hydrocarbons	0.348	0.50	"		0.303		30-150	4.17	20	
Surrogate: 1,2-Dichloroethane-d4	0.0443		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	21-167			

Summit Scientific

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Talon/LPE Project: Prospect Energy - MSSU 30-1

1811 E Mulberry Project Number: [none]702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Project Number: [none]702108.003.01 Reported:
Project Manager: Colby Sterling 06/25/17 13:08

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



June 26, 2017

Mr. Ward Giltner Prospect Energy, LLC 1229 East Douglas Road Fort Collins, Colorado 80524

RE: Confirmation Sampling MSSU 30-4 Well **Larimer County, Colorado Project # 702108.003.01**

Mr. Giltner:

On June 20, 2017, Talon/LPE conducted confirmation soil sampling at the MSSU 30-4 Well location (site) in Larimer County, Colorado. The purpose of the sampling event was to ensure that all hydrocarbon impacted soil had been removed to the extent required by the Colorado Oil and Gas Conservation Commission (COGCC) following plugging and abandonment of the well.

A total of five (5) grab samples (SW-E @ 6', SW-S @ 6', SW-W @ 6', SW-N @ 6', and BH-1 @ 12') were collected in the excavation around the plugged and abandoned well casing. A site map with the sample locations is presented in Figure 1.

The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethyl-benzene, and Xylenes (BTEX) via method EPA8260B at Summit Scientific (Summit) in Golden, Colorado. All samples were reported to exhibit both TPH and BTEX concentrations below COGCC Table 910-1 concentration levels. A soil concentration map is presented in Figure 2 and a breakdown of the soil analytical data is presented in Table 1.

Based upon the collected analytical data, Talon/LPE believes that the hydrocarbon impacted soils surrounding the plugged and abandoned well casing have been removed to the extent required by the COGCC and no further corrective action is necessary. If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

Colby Sterling District Manager

Talon/LPE



Table 1 - Soil Analytical Data

Prospect Energy MSSU 30-4 Larimer County, Colorado

					Cor	ncentration (mg	/kg)		
Sample ID	Lab ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	TPH
COGCC Table 910-1	Concentration Le	vels	0.17	85	100	175	NA	NA	500
SW-E @ 6'	1706198-01	06/20/17	<0.0020	<0.0050	<0.0050	< 0.0050	<0.5	<50	<50
SW-S @ 6'	1706198-02	06/20/17	< 0.0020	< 0.0050	<0.0050	< 0.0050	<0.5	<50	<50
SW-W @ 6'	1706198-03	06/20/17	< 0.0020	<0.0050	<0.0050	< 0.0050	<0.5	<50	<50
SW-N @ 6'	1706198-04	06/20/17	< 0.0020	<0.0050	< 0.0050	0.011	1.9	<50	1.9
BH-1 @ 12'	1706198-05	06/20/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50

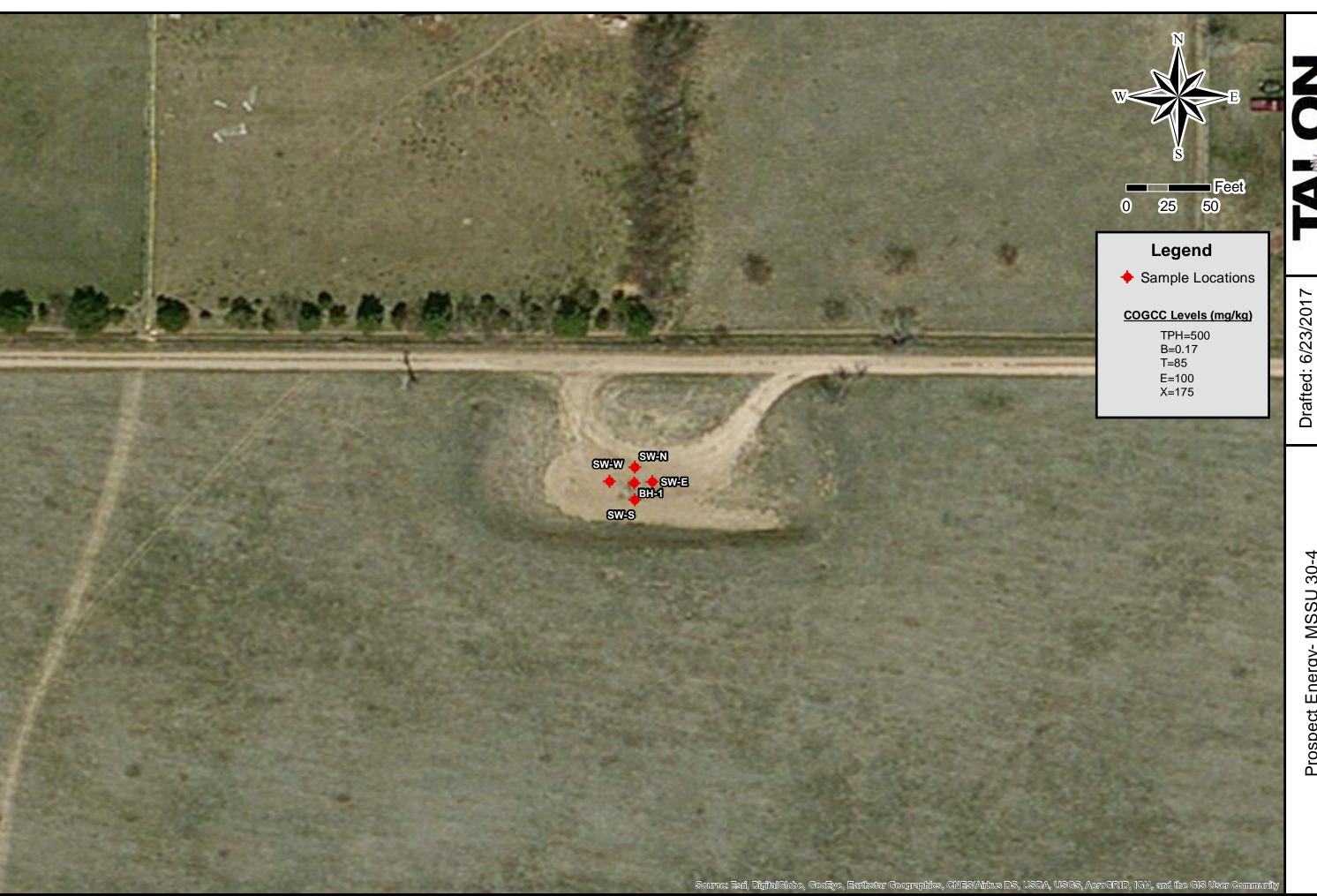
mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commisssion

GRO - Gasoline Range Organics DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)

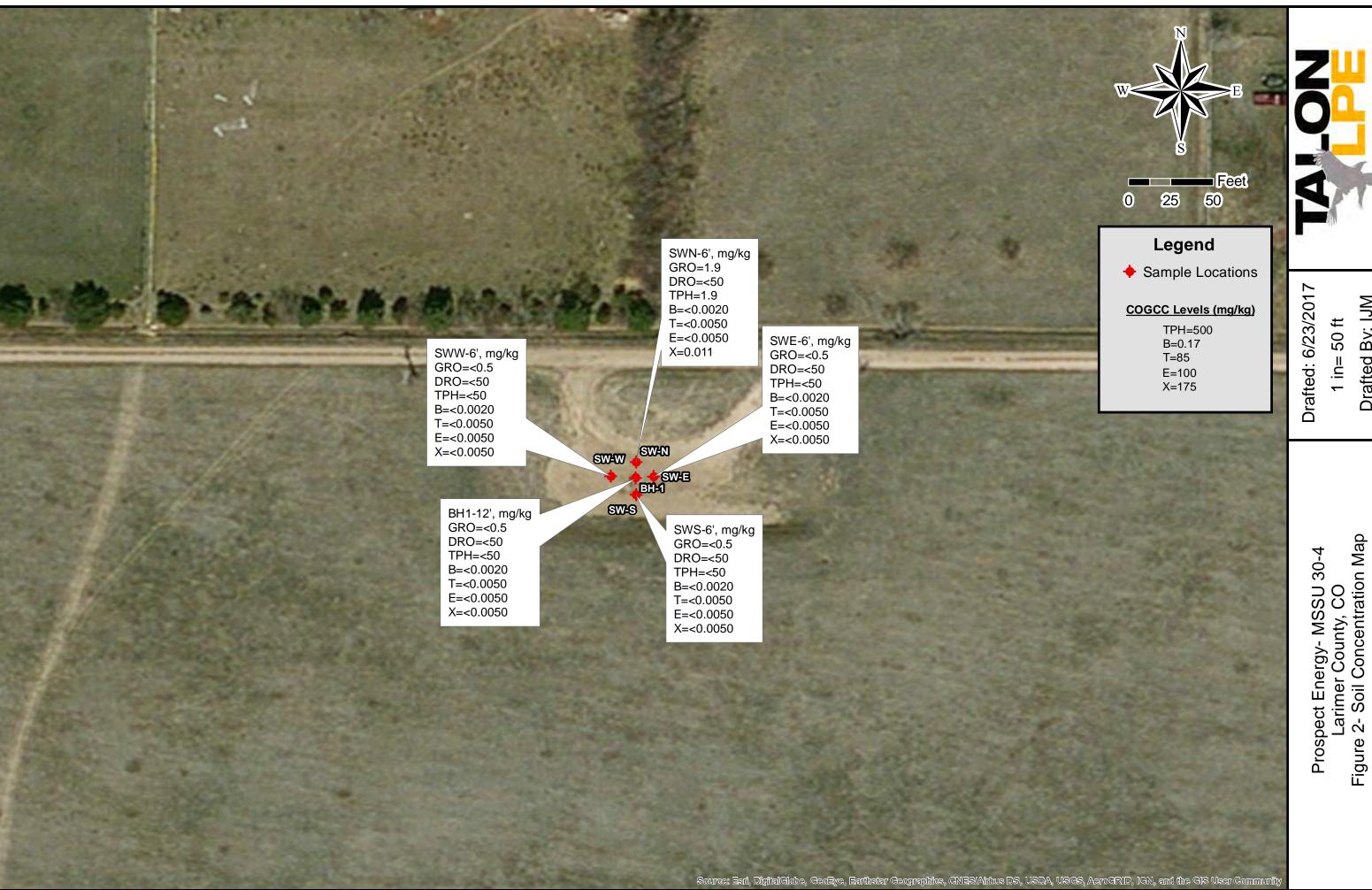




rafted: 6/23/2017 1 in= 50 ft

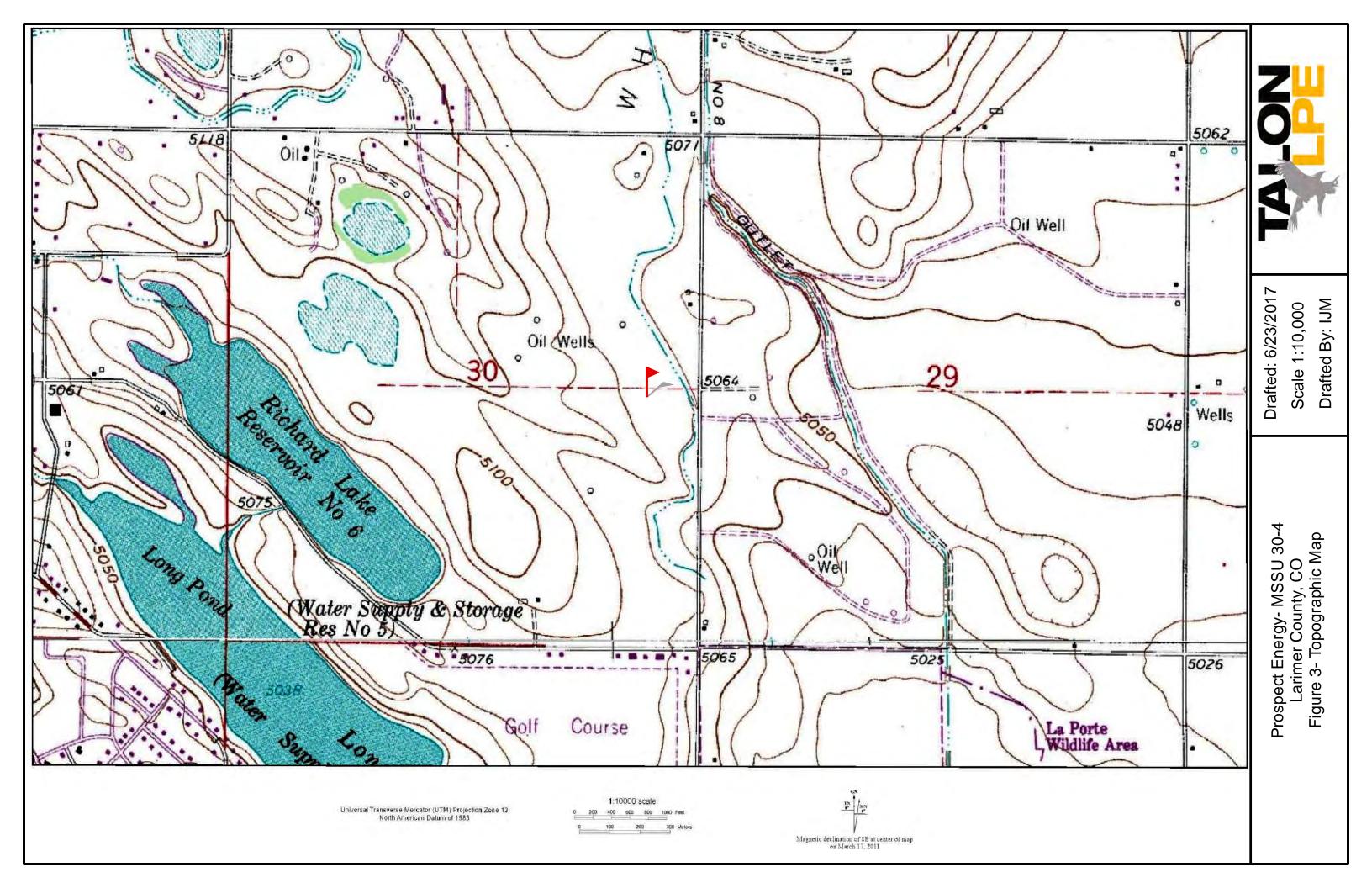
1 in= 50 ft Drafted By: IJM

Prospect Energy- MSSU 30-4 Larimer County, CO Figure 1- Site Map



1 in= 50 ft

Drafted By: IJM



Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

June 21, 2017

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Prospect Energy - MSSU 30-4

Enclosed are the results of analyses for samples received by Summit Scientific on 06/20/17 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Shrewsbury

Laboratory Manager



Talon/LPE Project: Prospect Energy - MSSU 30-4

1811 E Mulberry Project Number: 702108.003.01 Reported:
Ft Collins CO, 80524 Project Manager: Colby Sterling 06/21/17 18:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-E@6'	1706198-01	Soil	06/20/17 09:30	06/20/17 18:00
SW-S@6'	1706198-02	Soil	06/20/17 09:35	06/20/17 18:00
SW-W@6'	1706198-03	Soil	06/20/17 09:40	06/20/17 18:00
SW-N@6'	1706198-04	Soil	06/20/17 09:45	06/20/17 18:00
BH-1@12'	1706198-05	Soil	06/20/17 09:50	06/20/17 18:00

Summit Scientific

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Talon/LPE

1811 E Mulberry

Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-4

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/21/17 18:51

Summit Scientific 1706198

741 Corporate Circle Suite I ◆ Golden, Colorado 80401 303-277-9310 ◆ 303-374-5933 Fax

Client:		Talon/LPE	4	_	_	_														
Address:	181	1 East Mulb	perry	_	_		_	Pro	ject '	Manager:	Co	lby Ste	erling	В						
City/State/Zip:	Fort (Collins, CO	80525						Mail:		cstr	erling(@tale	onlpe	.com	1				
Phone: 970-8		Fax:		_		_	_	_			Pro	spect	Ener	gy -	MSS					
Sampler Name:	Colby St	terling/Jennit	fer Galle	s	_	_	_	Pro	ject)	Number:	_		_	_			7021	08.003	3.01	
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				Pr	reser	rvati	ve	\vdash	_	Matrix	_	⊢	_	A	Analy	/ze r	or:			
Sample Description	Date Sampled	Time Sampled	Number of Containers	нсі	HNO3	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial#	Other (Specify)	втех	GRO/DRO							Special Instructions
SW-E @ 6'	6/20/2017	930				х	\square	\Box'	х			х	х							
SW-S @ 6'	6/20/2017	935	1			х	\Box	\Box'	х			х	х]
SW-W @ 6'	6/20/2017	940	1			х		\Box'	х	<u> </u>		x	х]
SW-N @ 6'	6/20/2017	945	1			х		\Box'	x			х	х]
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Relinquished by:	6	Date 20 17 5.2	Same Day 75 ******	Kee	eive				0+	Date/Time	5		e Day	y !	Time	(Ci	72 H) Hours ndard		Notes:
ke'inquished by:		Date/	Time.	Hec	cei /e	d by:	:			Date/Time	٥.	48 H	oui s	!					_	1 ' '
Relinquished by:	0-17		Time:	1		1/4	٠2	<u>.۵</u> `	17	Date/Time:		Sam	ple Ir	nteg	rity:	_		18	1	

www.s2scientific.com

Summit Scientific

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Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-4

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/21/17 18:51

Sample Receipt Che	ecklist			
S2 Work Order: 1706198				
Client: TALON Client Project ID: P	ROSPE	77	ENF	PGU - MSS U 30-
Shipped Via: PO. (UPS, FedEx, Hand Delivered, Pick-up, etc.)				——————————————————————————————————————
Matrix (check all that apply):AirX_Soil/Solid	Wa	ter _	Oti	ner:(Describe)
Cooler ID				
Temp (°C) 15.]				
Thermometer ID: 61857155-K				
	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C (1)? NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.	*			
Were all samples received intact (1)?	×			
Was adequate sample volume provided (1)?	*			
If custody seals are present, are they intact (1)?		-	×	
Are short holding time analytes or samples with HTs due within 48 hours present?	×			
Is a chain-of-custody (COC) form present and filled out completely (1)? Does the COC agree with the number and type of sample	×			
bottles received (1)?	×			
Do the sample IDs on the bottle labels match the COC (1)?	×			
Is the COC properly relinquished by the client w/ date and time recorded (1)?	У			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			×	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCI, H2SO4, NaOH, HNO3, ect			~	
If samples are acid preserved for metals, is the pH $\leq 2^{(1)}$? Record the pH in Comments.			×	
If dissolved metals are requested, were samples field filtered?			Z	
Additional Comments (if any):				
(1) If NO, then contact the client before proceeding with a	nalysis a	and no	te in c	ase narrative.
Custodian Printed Name Note: 17	L .			Pate/Time

Summit Scientific

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Page 3 of 12



Project: Prospect Energy - MSSU 30-4

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/21/17 18:51

SW-E@6' 1706198-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/20/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706210	06/20/17	06/20/17	8015M	
				Date Sar	mpled:	06/20/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		111 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/20/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706209	06/20/17	06/21/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled:	06/20/17	09:30
---------------	----------	-------

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		135 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		100 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-	167	"	"	"	"	

Summit Scientific

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Page 4 of 12



Project: Prospect Energy - MSSU 30-4

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/21/17 18:51

SW-S@6' 1706198-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/20/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706210	06/20/17	06/21/17	8015M	
				Date Sar	mpled:	06/20/1	7 09:35		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		109 %	30-	150	"	"	"	"	_

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/20/17 09:35			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706209	06/20/17	06/21/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	n .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled:	06/20/17 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-	173	"	"	"	"	•
Surrogate: Toluene-d8		101 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 5 of 12



Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-4

1811 E Mulberry

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/21/17 18:51

SW-W@6' 1706198-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	npled:	06/20/1	7 09:40		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706210	06/20/17	06/21/17	8015M	
				T		0 < 10 0 14	- 00 40		

Date Sampled: 06/20/17 09:40

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		115 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/20/17 09:40			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706209	06/20/17	06/21/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m m	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/20/17 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		88.7 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		88.0 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.1 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Prospect Energy - MSSU 30-4

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/21/17 18:51

SW-N@6' 1706198-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	Date Sampled:		7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706210	06/20/17	06/21/17	8015M	-
				Date Sa	mpled:	06/20/1	7 09:45		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		109 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/20/1	7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706209	06/20/17	06/21/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.011	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.9	0.50	"	"	"	"	"	"	

Date Sampled:	06/20/17 09:45

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.0 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		88.4 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.6 %	21	167	"	"	"	"	

Summit Scientific

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1811 E Mulberry Ft Collins CO, 80524 Project: Prospect Energy - MSSU 30-4

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/21/17 18:51

BH-1@12' 1706198-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	npled:	06/20/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706210	06/20/17	06/21/17	8015M	

Date Sampled: 06/20/17 09:50

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Ternhenyl		112 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/20/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706209	06/20/17	06/21/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/20/17 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		93.0 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		88.4 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Prospect Energy - MSSU 30-4

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/21/17 18:51

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706210 - EPA 3550A										
Blank (1706210-BLK1)				Prepared	& Analyz	ed: 06/20/	17			
C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	14.1		"	12.5		113	30-150			
LCS (1706210-BS1)				Prepared	& Analyz	ed: 06/20/	17			
C10-C28 (DRO)	544	50	mg/kg	499		109	73-134			
Surrogate: o-Terphenyl	14.1		"	12.5		113	30-150			
Matrix Spike (1706210-MS1)	Sour	rce: 170619	0-01	Prepared	& Analyz	ed: 06/20/	17			
C10-C28 (DRO)	536	50	mg/kg	499	29.4	102	50-148			
Surrogate: o-Terphenyl	14.1		"	12.5		113	30-150			
Matrix Spike Dup (1706210-MSD1)	Sour	rce: 170619	0-01	Prepared	& Analyz	ed: 06/20/	17			
C10-C28 (DRO)	523	50	mg/kg	499	29.4	99.0	50-148	2.41	20	
Surrogate: o-Terphenyl	14.2		"	12.5		114	30-150			

Summit Scientific



1811 E Mulberry Project Number: 702108.003.01 Reported: Ft Collins CO, 80524 Project Manager: Colby Sterling 06/21/17 18:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706209 - EPA 5030 Soil MS										
Blank (1706209-BLK1)				Prepared of	& Analyz	ed: 06/20/	17			
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0409		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.0	21-167			
LCS (1706209-BS1)				Prepared of	& Analyz	ed: 06/20/	17			
Benzene	0.0882	0.0020	mg/kg	0.100		88.2	58-130			
Toluene	0.101	0.0050	"	0.100		101	61-134			
Ethylbenzene	0.115	0.0050	"	0.0992		116	74-139			
m,p-Xylene	0.213	0.010	"	0.200		107	73-137			
o-Xylene	0.107	0.0050	"	0.0980		109	73-141			
Xylenes (total)	0.320	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.76	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0402		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		99.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		101	21-167			
Matrix Spike (1706209-MS1)	So	urce: 170619	0-01	Prepared of	& Analyz	ed: 06/20/	17			
Benzene	0.0892	0.0020	mg/kg	0.100	ND	89.2	30-131			
Toluene	0.102	0.0050	"	0.100	ND	102	30-134			
Ethylbenzene	0.113	0.0050	"	0.0992	ND	114	22-153			
m,p-Xylene	0.213	0.010	"	0.200	ND	107	10-159			
o-Xylene	0.106	0.0050	"	0.0980	ND	108	31-151			
Xylenes (total)	0.318	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.50	0.50	"		0.719		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173	-		
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		101	21-167			

Summit Scientific

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1811 E Mulberry Project Number: 702108.003.01 Reported: Ft Collins CO, 80524 Project Manager: Colby Sterling 06/21/17 18:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1706209 - EPA 5030 Soil MS

Matrix Spike Dup (1706209-MSD1)	Sou	rce: 170619	0-01	Prepared 6	& Analyze	ed: 06/20/	17			
Benzene	0.0893	0.0020	mg/kg	0.100	ND	89.3	30-131	0.134	34	
Toluene	0.101	0.0050	"	0.100	ND	101	30-134	1.66	30	
Ethylbenzene	0.114	0.0050	"	0.0992	ND	115	22-153	0.529	24	
m,p-Xylene	0.211	0.010	"	0.200	ND	106	10-159	0.736	68	
o-Xylene	0.106	0.0050	"	0.0980	ND	108	31-151	0.652	38	
Xylenes (total)	0.317	0.0050	"		ND		30-150	0.274	20	
Gasoline Range Hydrocarbons	3.64	0.50	"		0.719		30-150	4.16	20	
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

Summit Scientific



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/21/17 18:51

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



June 28, 2017

Mr. Ward Giltner Prospect Energy, LLC 1229 East Douglas Road Fort Collins, Colorado 80524

RE: Confirmation Sampling MSSU 30-5 Well Larimer County, Colorado Project # 702108.003.01

Mr. Giltner:

On June 22, 2017, Talon/LPE conducted confirmation soil sampling at the MSSU 30-5 Well location (site) in Larimer County, Colorado. The purpose of the sampling event was to ensure that all hydrocarbon impacted soil had been removed to the extent required by the Colorado Oil and Gas Conservation Commission (COGCC) following plugging and abandonment of the well.

A total of five (5) grab samples (SW-N @ 5', SW-E @ 5', SW-S @ 5', SW-W @ 5', and BH-1 @ 11') were collected in the excavation around the plugged and abandoned well casing. A site map with the sample locations is presented in Figure 1.

The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethyl-benzene, and Xylenes (BTEX) via method EPA8260B at Summit Scientific (Summit) in Golden, Colorado. All samples were reported to exhibit both TPH and BTEX concentrations below COGCC Table 910-1 concentration levels. A soil concentration map is presented in Figure 2 and a breakdown of the soil analytical data is presented in Table 1.

Based upon the collected analytical data, Talon/LPE believes that the hydrocarbon impacted soils surrounding the plugged and abandoned well casing have been removed to the extent required by the COGCC and no further corrective action is necessary. If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

Colby Sterling
District Manager

Talon/LPE



Table 1 - Soil Analytical Data

Prospect Energy MSSU 30-5 Larimer County, Colorado

					Cor	ncentration (mg/	′kg)		
Sample ID	Lab ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	ТРН
COGCC Table 910-1	Concentration Le	vels	0.17	85	100	175	NA	NA	500
SW-N @ 5'	1706230-01	06/22/17	<0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-E @ 5'	1706230-02	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-S @ 5'	1706230-03	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	64	64
SW-W @ 5'	1706230-04	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
BH-1 @ 11'	1706230-05	06/22/17	<0.0020	<0.0050	< 0.0050	< 0.0050	0.87	170	170.87

mg/kg - milligrams per kilogram

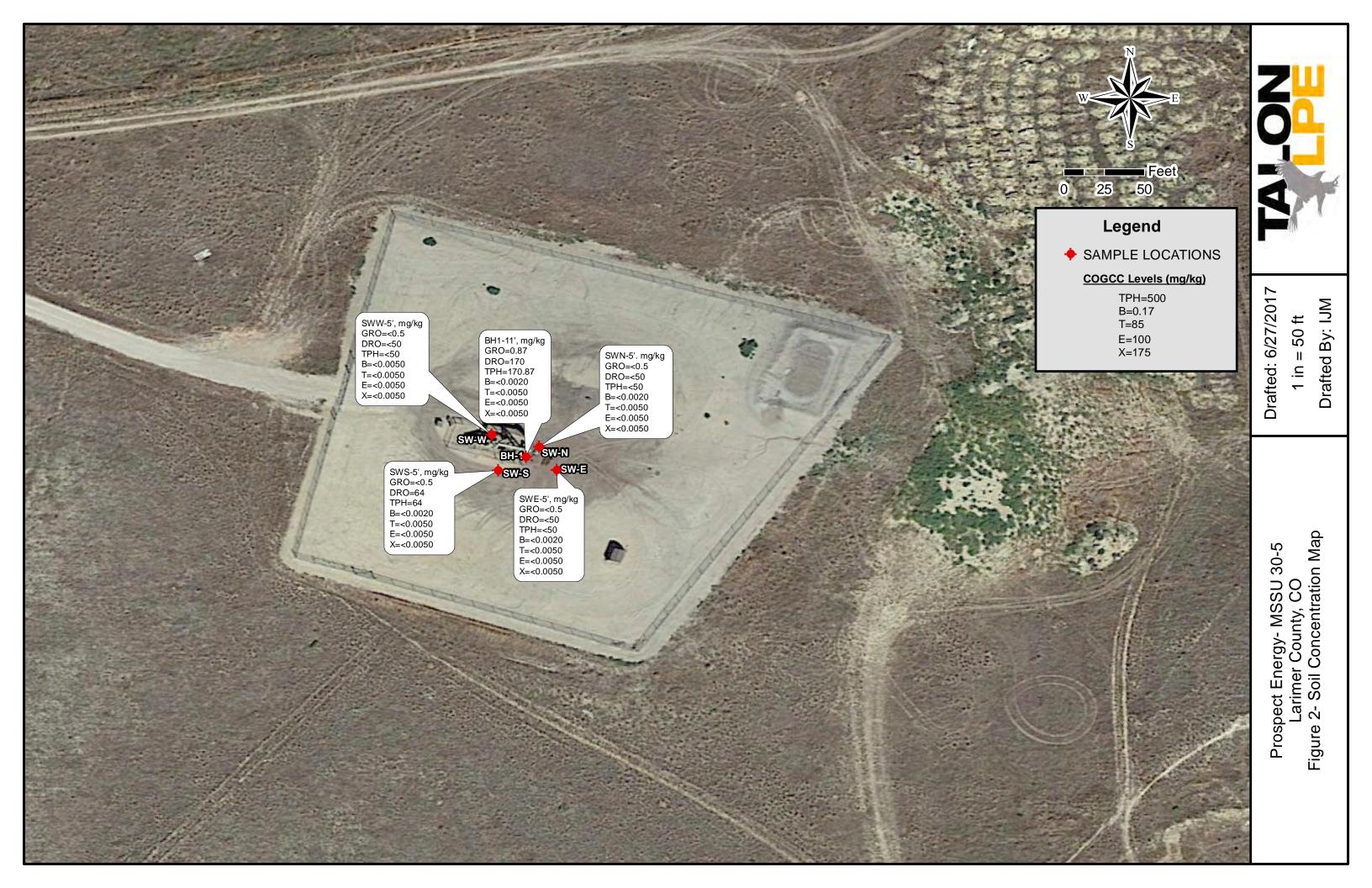
< - Analytical result is less than the reporting limit

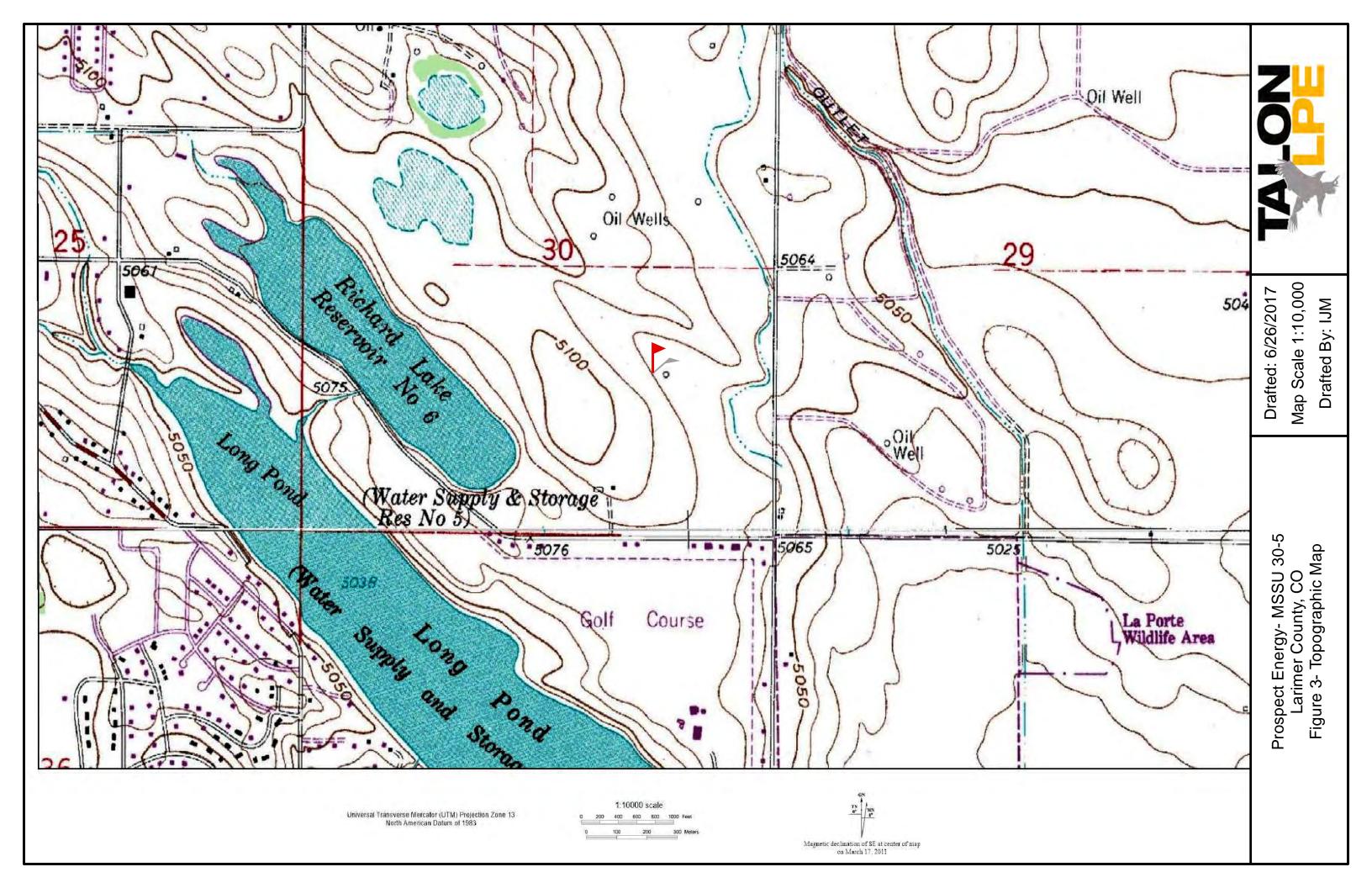
COGCC - Colorado Oil and Gas Conservation Commisssion

GRO - Gasoline Range Organics DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)







Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

June 23, 2017

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Prospect Energy - MSSU 30-5

Enclosed are the results of analyses for samples received by Summit Scientific on 06/22/17 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Shrewsbury

Laboratory Manager



1811 E Mulberry Project Number: 702108.003.01 Reported: Ft Collins CO, 80524 Project Manager: Colby Sterling 06/23/17 14:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-N@5'	1706230-01	Soil	06/22/17 09:45	06/22/17 18:00
SW-E@5'	1706230-02	Soil	06/22/17 09:50	06/22/17 18:00
SW-S@5'	1706230-03	Soil	06/22/17 10:05	06/22/17 18:00
SW-W@5'	1706230-04	Soil	06/22/17 09:55	06/22/17 18:00
BH-1@11'	1706230-05	Soil	06/22/17 10:00	06/22/17 18:00

Summit Scientific



1811 E Mulberry

Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-5

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

Page _____1 of _____!

1706230

Summit Scientific

741 Corporate Circle Suite I ◆ Golden, Colorado 80401 303-277-9310 ◆ 303-374-5933 Fax

City/State/Zip:		Collins, CO	80525					E-M				_	@talo	_			_			
	010 000	Fax:				_				Name:	Pro	spect	Ener	gy - N	USSI					
Sampler Name:		olby Sterlin	ng			_		Proj	ect	Number:						7	70210	08.003	3.01	
				Pı	reser	vati	ive			Matrix				A	naly	ze F	or:			
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCI	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial#	Other (Specify)	ВТЕХ	GRO/DRO							Special Instru
SW-N @ 5'	6/22/2017	945	1	۱Ť	Ē	x	Ť		X		ľ	Ų.	x	\dashv	\neg	-		-	-	Special Institu
SW-E @ 5'	6/22/2017	950	i	┢	Н	x	Н		x		\vdash	v ·	x	\dashv	\dashv	-	-		_	1
SW-S @ 5'	6/22/2017	1005	1	Н	Н	x	Н		x		\vdash	v	x	\dashv	\neg		_			1
SW-W @ 5'	6/22/2017	955	i	Н	Н	x	Н		x		1	x x	x		\dashv		-	_		1
Bii-1 (@ 11'	0/22/2017	1000	-	\vdash	- 1	x	Н	I	<u>~</u>			<u> </u>	X -	-	-	=		_		
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6-22	17 18	3:05										Sam	ple Iı	itegr	ity:					
Relinquished by:		Date	/Time:	Rec	eived	l in I	Lab b	y:		Date/Time	9:	Tem	perati	ire U	pon F	Recei	pt:	22	3	

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Summit Scientific



Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-5

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

Sample Need	pt Che	cklist				
S2 Work Order:						
Client: TALON Client Project I	D. PR	OSOE	CTE	NIFO	-W -A	12211 20
Shipped Via: H.D.						
Shipped Via: H.D. (UPS, FedEx, Hand Delivered, Pick-up, etc.)		Airbill #				
Matrix (check all that apply):AirSoil/So	lid	Wa	ter _	Ot	her:	(Describe)
						(Describe)
Cooler ID						
Temp (°C) 22.3						
Thermometer ID: 61857155-K						
01837133-K		Yes	No	N/A	Com	ments (if an
If samples require cooling, was the temperature just a 0°C to ≤ 6°C (¹)?	above					
NOTE: If samples are delivered the same day of sam this requirement is waived provided that there is evidental that cooling has begun.	ence	×				
Were all samples received intact (1)?		×				
Was adequate sample volume provided (1)?		×				
If custody seals are present, are they intact (1)?				×		
Are short holding time analytes or samples with HTs of within 48 hours present?	due	×				
Is a chain-of-custody (COC) form present and filled or completely (1)?		×				
Does the COC agree with the number and type of sar bottles received (1)?	nple	×				
Do the sample IDs on the bottle labels match the COC	(1)?	×				
Is the COC properly relinquished by the client w/ date time recorded (1)?		×				
For volatiles in water – is there headspace present? If contact client and note in narrative.	yes,			×		
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?						
Note the type of preservative in the Comments column HCI, H2SO4, NaOH, HNO3, ect	n -			×		
If samples are acid preserved for metals, is the pH < 2 Record the pH in Comments.	5003			×		
If dissolved metals are requested, were samples field	+	+	-+	2		
filtered?						

6-22-17
Signature or Initials of Custodian

Summit Scientific

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Project: Prospect Energy - MSSU 30-5

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

SW-N@5' 1706230-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				Date Sa	mpled:	06/22/1	7 09:45		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	Date Sampled: 06/22/17 09:45				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sample	d: 06 /	22/17 09:45
-------------	----------------	-------------

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		97.5 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Prospect Energy - MSSU 30-5

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

SW-E@5' 1706230-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/22/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				D-4- C	11.	06/22/1	7.00.50		

Date Sampled: 06/22/17 09:50

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/22/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	n .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	n .	

Date Sampled: 06/22/17 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		97.1 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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1811 E Mulberry

Project: Prospect Energy - MSSU 30-5

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

SW-S@5' 1706230-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/22/1	7 10:05		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	64	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				Date Sa	mpled:	06/22/1	7 10:05		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	_	117 %	30-	150	"	"	"	"	•

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/22/1	22/17 10:05		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	_
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Samp	led:	06/22/17 10:05
-----------	------	----------------

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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1811 E Mulberry

Project: Prospect Energy - MSSU 30-5

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:55

SW-W@5' 1706230-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	te Sampled: 06/22/17 09:55		7 09:55		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				Date Sar	mpled:	06/22/1	7 09:55		

Reporting Result Limit Dilution Analyte Units Batch Prepared Analyzed Method Notes 118 % 30-150

Surrogate: o-Terphenyl

Volatile Organic Compounds by EPA Method 8260B

				Date Sampled:		06/22/17 09:55			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/22/17 09:55

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	•
Surrogate: Toluene-d8		98.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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1811 E Mulberry Ft Collins CO, 80524 Project: Prospect Energy - MSSU 30-5

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:55

BH-1@11' 1706230-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 10:00		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	170	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				Date Sampled:		06/22/17 10:00			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		124 %	30	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sampled:		06/22/1	7 10:00		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.87	0.50	"	"	"	"	"	"	

Date Sampled:	06/22/17 10:00
Date Sampled.	00/44/1/10:00

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project: Prospect Energy - MSSU 30-5

1811 E Mulberry

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:55

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706233 - EPA 3550A										
Blank (1706233-BLK1)				Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	13.7		"	12.5		110	30-150			
LCS (1706233-BS1)				Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	612	50	mg/kg	499		123	73-134			
Surrogate: o-Terphenyl	14.6		"	12.5		117	30-150			
Matrix Spike (1706233-MS1)	Sour	ce: 170622	2-01	Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	447	50	mg/kg	499	86.3	72.4	50-148			
Surrogate: o-Terphenyl	12.9		"	12.5		103	30-150			
Matrix Spike Dup (1706233-MSD1)	Sour	ce: 170622	2-01	Prepared & Analyzed: 06/22/17						
C10-C28 (DRO)	488	50	mg/kg	499	86.3	80.5	50-148	8.64	20	
Surrogate: o-Terphenyl	14.4		"	12.5		115	30-150			

Summit Scientific



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706232 - EPA 5030 Soil MS										
Blank (1706232-BLK1)				Prepared 6	& Analyz	ed: 06/22/	17			
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	21-167			
LCS (1706232-BS1)				Prepared 6	& Analyz	ed: 06/22/	17			
Benzene	0.0844	0.0020	mg/kg	0.100		84.4	58-130			
Toluene	0.0924	0.0050	"	0.100		92.4	61-134			
Ethylbenzene	0.0916	0.0050	"	0.0992		92.3	74-139			
m,p-Xylene	0.180	0.010	"	0.200		90.3	73-137			
o-Xylene	0.0916	0.0050	"	0.0980		93.5	73-141			
Xylenes (total)	0.272	0.0050	"				30-150			
Gasoline Range Hydrocarbons	0.344	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0418		"	0.0400		104	21-167			
Matrix Spike (1706232-MS1)	Sou	rce: 170622	2-01	Prepared 6	& Analyz	ed: 06/22/	17			
Benzene	0.0820	0.0020	mg/kg	0.100	ND	82.0	30-131			
Toluene	0.0877	0.0050	"	0.100	ND	87.7	30-134			
Ethylbenzene	0.0843	0.0050	"	0.0992	ND	84.9	22-153			
m,p-Xylene	0.166	0.010	"	0.200	ND	83.2	10-159			
o-Xylene	0.0838	0.0050	"	0.0980	ND	85.6	31-151			
Xylenes (total)	0.250	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	0.319	0.50	"		9.68		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0430		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Summit Scientific

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1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1706232 - EPA 5030 Soil MS

Matrix Spike Dup (1706232-MSD1)	Sou	rce: 170622	Prepared & Analyzed: 06/22/17							
Benzene	0.0809	0.0020	mg/kg	0.100	ND	80.9	30-131	1.36	34	
Toluene	0.0865	0.0050	"	0.100	ND	86.5	30-134	1.41	30	
Ethylbenzene	0.0796	0.0050	"	0.0992	ND	80.3	22-153	5.64	24	
m,p-Xylene	0.158	0.010	"	0.200	ND	78.9	10-159	5.28	68	
o-Xylene	0.0800	0.0050	"	0.0980	ND	81.6	31-151	4.76	38	
Xylenes (total)	0.237	0.0050	"		ND		30-150	5.11	20	
Gasoline Range Hydrocarbons	0.308	0.50	"		9.68		30-150	3.65	20	
Surrogate: 1,2-Dichloroethane-d4	0.0442		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	21-167			

Summit Scientific



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:55

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



June 28, 2017

Mr. Ward Giltner Prospect Energy, LLC 1229 East Douglas Road Fort Collins, Colorado 80524

RE: Confirmation Sampling MSSU 30-15 Well Larimer County, Colorado Project # 702108.003.01

Mr. Giltner:

On June 21, 2017, Talon/LPE conducted confirmation soil sampling at the MSSU 30-15 Well location (site) in Larimer County, Colorado. The purpose of the sampling event was to ensure that all hydrocarbon impacted soil had been removed to the extent required by the Colorado Oil and Gas Conservation Commission (COGCC) following plugging and abandonment of the well.

A total of five (5) grab samples (SW-N @ 4', SW-E @ 4', SW-S @ 4', SW-W @ 4', and BH-1 @ 8') were collected in the excavation around the plugged and abandoned well casing. A site map with the sample locations is presented in Figure 1.

The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethyl-benzene, and Xylenes (BTEX) via method EPA8260B at Summit Scientific (Summit) in Golden, Colorado. All samples were reported to exhibit both TPH and BTEX concentrations below COGCC Table 910-1 concentration levels. A soil concentration map is presented in Figure 2 and a breakdown of the soil analytical data is presented in Table 1.

Based upon the collected analytical data, Talon/LPE believes that the hydrocarbon impacted soils surrounding the plugged and abandoned well casing have been removed to the extent required by the COGCC and no further corrective action is necessary. If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

Colby Sterling
District Manager

Talon/LPE



Table 1 - Soil Analytical Data

Prospect Energy MSSU 30-15 Larimer County, Colorado

					Cor	ncentration (mg	/kg)		
Sample ID	Lab ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	ТРН
COGCC Table 910-1	Concentration Le	vels	0.17	85	100	175	NA	NA	500
SW-N @ 4'	1706218-01	06/21/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-E @ 4'	1706218-02	06/21/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-S @ 4'	1706218-03	06/21/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-W @ 4'	1706218-04	06/21/17	< 0.0020	< 0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
BH-1 @ 8'	1706218-05	06/21/17	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50

mg/kg - milligrams per kilogram

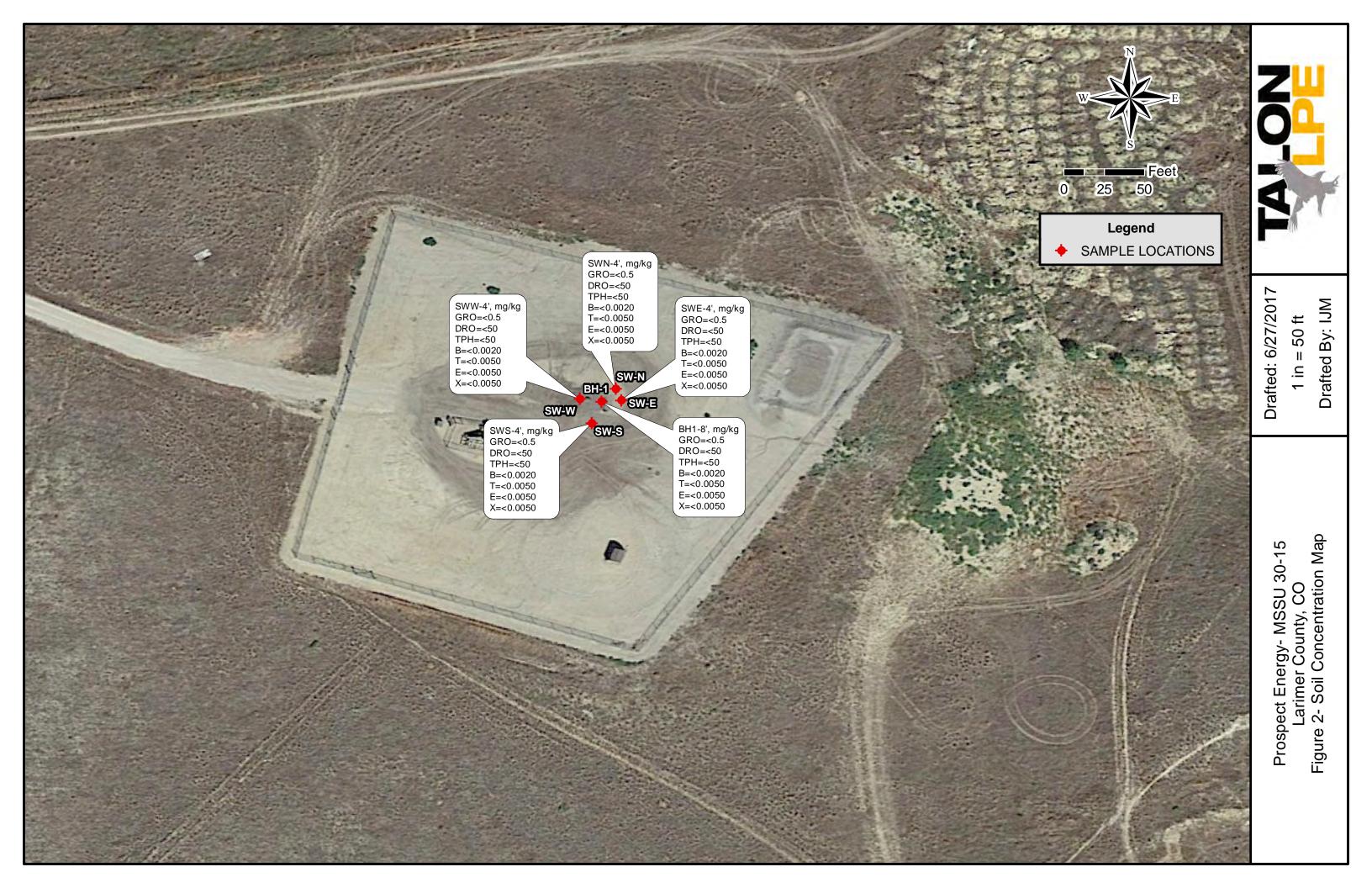
< - Analytical result is less than the reporting limit

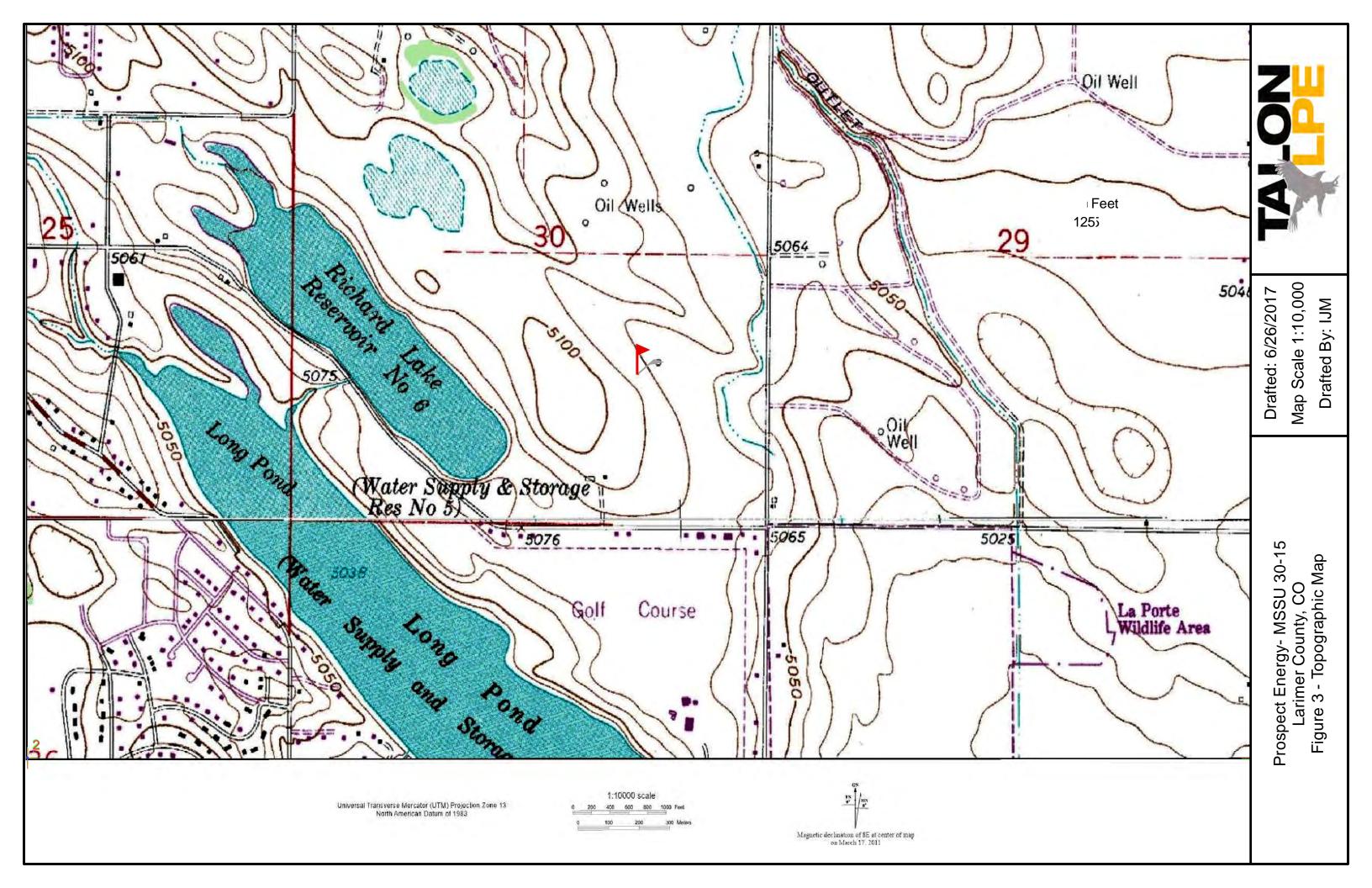
COGCC - Colorado Oil and Gas Conservation Commisssion

GRO - Gasoline Range Organics DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)







Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

June 22, 2017

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Prospect Energy - MSSU 30-15

Enclosed are the results of analyses for samples received by Summit Scientific on 06/21/17 18:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Shrewsbury

President



1811 E Mulberry Project Number: [none] Project Manager: Colby Sterling Reported: Ft Collins CO, 80524

06/22/17 08:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-N@4'	1706218-01	Soil	06/21/17 09:35	06/21/17 18:45
SW-E@4'	1706218-02	Soil	06/21/17 09:40	06/21/17 18:45
SW-S@4'	1706218-03	Soil	06/21/17 09:45	06/21/17 18:45
SW-W@4'	1706218-04	Soil	06/21/17 09:50	06/21/17 18:45
BH1@8'	1706218-05	Soil	06/21/17 09:30	06/21/17 18:45



1811 E Mulberry

Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-15

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

Summit Scientific 1706218

741 Corporate Circle Suite I ◆ Golden, Colorado 80401 303-277-9310 ◆ 303-374-5933 Fax

Client:		Talon/LPE	3																Pag	,e	1 of	
Address:	181	1 East Mul			_		-	Pro	piect	Manager:	Co	lbv S	terlin	0								
City/State/Zip:		Collins, CO			_		-		Mail:				_		e.com	_		_				
Phone: 970-	818-5330	Fax:		_			•	Pro	piect	Name:		_			MSSI	_	-15	_				
Sampler Name:	Colby Ste	erling / Jenn	ifer Gall	es						Number:				6/				08.00	3.01			
				P	rese	rvat	ive	_	_	Matrix	_	_			Analy	mo I	70.00	_		_		
			T	Ĥ	-	, , a.		⊢	Т		Т	┰	T	T	Anaiy	26 1	or:	$\overline{}$	$\overline{}$	_		
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCI	HNO,	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial#	Other (Specify)	втех	GRO/DRO							Si	necial In	structions
SW-N @ 4'	6/21/2017	935	1	_	_	x	_	Ť	x		ľ	x	x	_	\vdash	_		-	+-	+3	cciai ilis	structions
SW-E @ 4'	6/21/2017	940	1	Г		x	_	┢	x		\vdash	x	x	\vdash	\vdash		\vdash	1	┿	┨		
SW-S @ 4'	6/21/2017	945	1	Н	\vdash	x	\vdash	Н	x		\vdash	x	x	\vdash	Н	_	\vdash	-	+	┨		
SW-W @ 4'	6/21/2017	950	1	Г	\vdash	x	П	Н	x			x	x		Н	_	_	\vdash	+	1		
bn-1 @ 8	6/21/2017	930	1			×			A			x	x				-		\vdash	1		
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Relinquished by:	_	Date/	l ime.	Rec	cived	by:				Pate/Time	e:	48 I	lou.							1		
15-01 PA	-17											Sam	ple j	nteg	rit;							
Relinquished by:		Date/	Time:	Rec	eivec	l in I	.ab t	y:		Date/Time	:	Tem		ure (Jpon F	Recei	pt:	19	.7	1		

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MAM



Project: Prospect Energy - MSSU 30-15

Reported:

Ft Collins CO, 80524

Project Number: <code>[none]</code>
Project Manager: Colby Sterling

06/22/17 08:49

Sample Receipt Che	cklist				
S2 Work Order: 1706218					
Client: TALON Client Project ID: PRO	OSPEC	TEI	NERG	34-1	455U 30-15
Shipped Via: P.U. (UPS, FedEx, Hand Delivered, Pick-up, etc.)	Airbill #:				
Matrix (check all that apply):AirSoil/Solid	Wat	er _	Oth	ier:	(Describe)
Cooler ID					
Temp (°C)					
Thermometer ID: 61857155-K					
	Yes	No	N/A	Com	ments (if any)
If samples require cooling, was the temperature at 4°C +/-2°C '''? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	٧				
Were all samples received intact (1)?	×				
Was adequate sample volume provided (1)?	×				
If custody seals are present, are they intact (1)?			0		
Are short holding time analytes or samples with HTs due within 48 hours present?	1				
Is a chain-of-custody (COC) form present and filled out completely (1)?	<				
Does the COC agree with the number and type of sample bottles received (1)?	~				
Do the sample IDs on the bottle labels match the COC (1)?	×				
Is the COC properly relinquished by the client w/ date and time recorded (1)?	×				
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			L		1011
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			~		
If samples are acid preserved for metals, is the pH $\leq 2^{(1)}$? Record the pH in Comments.			J		
If dissolved metals are requested, were samples field filtered?			L		
Additional Comments (if any):					
(1) If NO, then contact the client before proceeding with a	nalysis	and n	ote in	case	narrative.
Custodian Printed Name Signature or Initials o	17 f Custo	dian		D	19:00 ate/Time

Summit Scientific



Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-15

1811 E Mulberry

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

SW-N@4' 1706218-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/21/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706219	06/21/17	06/22/17	8015M	
				Date Sa	mpled:	06/21/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		10=0/	2.0						

Surrogate: o-Terphenyl 107 % 30-150

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/21/1	7 09:35		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706220	06/21/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/21/17 09:35

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.6 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		99.5 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-15

1811 E Mulberry

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

SW-E@4' 1706218-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sampled:		06/21/1	7 09:40		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706219	06/21/17	06/22/17	8015M	

Date Sampled: 06/21/17 09:40

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		109 %	30-	150	"	"	"	"	_

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/21/1	7 09:40		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706220	06/21/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/21/17 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		88.9 %	23	173	"	"	"	"	
Surrogate: Toluene-d8		87.0 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	21-	167	"	"	"	"	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MIMI



Project: Prospect Energy - MSSU 30-15

1811 E Mulberry

Ft Collins CO, 80524

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

SW-S@4' 1706218-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	mpled:	06/21/1	7 09:45		_
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706219	06/21/17	06/22/17	8015M	
				Date Sa	mpled:	06/21/1	7 09-45		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		108 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sampled:		06/21/17 09:45			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706220	06/21/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	m .	

Date Sampled: 06/21/17 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		87.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	21-167		"	"	"	"	

Summit Scientific



Project: Prospect Energy - MSSU 30-15

1811 E Mulberry

Ft Collins CO, 80524

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

SW-W@4' 1706218-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sar	npled:	06/21/1	7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706219	06/21/17	06/22/17	8015M	•

Date Sampled: 06/21/17 09:50

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		108 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	Date Sampled:		7 09:50		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706220	06/21/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/21/17 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		87.3 %	3 23-173		"	"	"	"	
Surrogate: Toluene-d8		87.3 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	21-167		"	"	"	"	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MIMI



Talon/LPE

Project: Prospect Energy - MSSU 30-15

1811 E Mulberry

Ft Collins CO, 80524

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

BH1@8' 1706218-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/21/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706219	06/21/17	06/22/17	8015M	

Date Sampled: 06/21/17 09:30

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		107 %	30	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/21/1	7 09:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706220	06/21/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/21/17 09:30

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		88.0 %	23-	173	"	"	"	n .	
Surrogate: Toluene-d8		87.2 %	20	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.3 %	21-	167	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Ft Collins CO, 80524

Project: Prospect Energy - MSSU 30-15

Project Number: [none]

Project Manager: Colby Sterling

Reported: 06/22/17 08:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706219 - EPA 3550A										
Blank (1706219-BLK1)				Prepared:	06/21/17	Analyzed	1: 06/22/17			
C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.8		"	12.5		102	30-150			
LCS (1706219-BS1)				Prepared:	06/21/17	Analyzed	1: 06/22/17			
C10-C28 (DRO)	507	50	mg/kg	499		102	73-134			
Surrogate: o-Terphenyl	15.5		"	12.5		124	30-150			
Matrix Spike (1706219-MS1)	Sour	ce: 170621	0-01	Prepared:	06/21/17	Analyzed	1: 06/22/17			
C10-C28 (DRO)	532	50	mg/kg	499	ND	107	50-148			
Surrogate: o-Terphenyl	13.4		"	12.5		107	30-150			
Matrix Spike Dup (1706219-MSD1)	Sour	ce: 170621	0-01	Prepared:	06/21/17	Analyzed	1: 06/22/17			
C10-C28 (DRO)	506	50	mg/kg	499	ND	101	50-148	4.97	20	
Surrogate: o-Terphenyl	16.9		"	12.5		135	30-150			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MMM



1811 E Mulberry

Project Number: [none]

Ft Collins CO, 80524

Project Manager: Colby Sterling

0.347

2.51

0.0371

0.0347

0.0362

0.0050

0.50

Reported: 06/22/17 08:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706220 - EPA 5030 Soil MS										
Blank (1706220-BLK1)				Prepared	& Analyzo	ed: 06/21/	17			
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0340		"	0.0400		84.9	23-173			
Surrogate: Toluene-d8	0.0345		"	0.0400		86.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.7	21-167			
LCS (1706220-BS1)				Prepared	& Analyzo	ed: 06/21/	17			
Benzene	0.0940	0.0020	mg/kg	0.100		94.0	58-130			
Toluene	0.0995	0.0050	"	0.100		99.5	61-134			
Ethylbenzene	0.117	0.0050	"	0.0992		118	74-139			
m,p-Xylene	0.226	0.010	"	0.200		113	73-137			
o-Xylene	0.111	0.0050	"	0.0980		113	73-141			
Xylenes (total)	0.336	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.57	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0342		"	0.0400		85.4	23-173			
Surrogate: Toluene-d8	0.0344		"	0.0400		86.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0361		"	0.0400		90.2	21-167			
Matrix Spike (1706220-MS1)	So	ource: 170621	0-01	Prepared	& Analyzo	ed: 06/21/	17			
Benzene	0.0968	0.0020	mg/kg	0.100	ND	96.8	30-131			
Toluene	0.102	0.0050	"	0.100	ND	102	30-134			
Ethylbenzene	0.119	0.0050	"	0.0992	ND	120	22-153			
m,p-Xylene	0.231	0.010	"	0.200	0.00411	114	10-159			
o-Xylene	0.116	0.0050	"	0.0980	ND	118	31-151			

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Xylenes (total)

Gasoline Range Hydrocarbons

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

30-150

30-150

23-173

20-170

21-167

92.7

86.7

90.5

ND

ND

0.0400

0.0400

0.0400

MM



1811 E Mulberry Project Number: [none]

Reported: Ft Collins CO, 80524 Project Manager: Colby Sterling 06/22/17 08:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control **Summit Scientific**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1706220 - EPA 5030 Soil MS

Matrix Spike Dup (1706220-MSD1)	Sou	rce: 170621	0-01	Prepared	& Analyze					
Benzene	0.0971	0.0020	mg/kg	0.100	ND	97.1	30-131	0.310	34	
Toluene	0.105	0.0050	"	0.100	ND	105	30-134	3.21	30	
Ethylbenzene	0.122	0.0050	"	0.0992	ND	123	22-153	2.47	24	
m,p-Xylene	0.237	0.010	"	0.200	0.00411	117	10-159	2.55	68	
o-Xylene	0.118	0.0050	"	0.0980	ND	120	31-151	1.98	38	
Xylenes (total)	0.355	0.0050	"		ND		30-150	2.36	20	
Gasoline Range Hydrocarbons	2.56	0.50	"		ND		30-150	2.15	20	
Surrogate: 1,2-Dichloroethane-d4	0.0371		"	0.0400		92.8	23-173			
Surrogate: Toluene-d8	0.0348		"	0.0400		87.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.6	21-167			

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1811 E Mulberry Project Number: [none] Reported:

Ft Collins CO, 80524 Project Manager: Colby Sterling 06/22/17 08:49

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



June 28, 2017

Mr. Ward Giltner Prospect Energy, LLC 1229 East Douglas Road Fort Collins, Colorado 80524

RE: Confirmation Sampling MSSU 30-16 Well Larimer County, Colorado Project # 702108.003.01

Mr. Giltner:

On June 22, 2017, Talon/LPE conducted confirmation soil sampling at the MSSU 30-16 Well location (site) in Larimer County, Colorado. The purpose of the sampling event was to ensure that all hydrocarbon impacted soil had been removed to the extent required by the Colorado Oil and Gas Conservation Commission (COGCC) following plugging and abandonment of the well.

A total of five (5) grab samples (SW-N @ 3.5', SW-E @ 3.5', SW-S @ 3.5', SW-W @ 3.5', and BH-1 @ 7') were collected in the excavation around the plugged and abandoned well casing. A site map with the sample locations is presented in Figure 1.

The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethyl-benzene, and Xylenes (BTEX) via method EPA8260B at Summit Scientific (Summit) in Golden, Colorado. All samples were reported to exhibit both TPH and BTEX concentrations below COGCC Table 910-1 concentration levels. A soil concentration map is presented in Figure 2 and a breakdown of the soil analytical data is presented in Table 1.

Based upon the collected analytical data, Talon/LPE believes that the hydrocarbon impacted soils surrounding the plugged and abandoned well casing have been removed to the extent required by the COGCC and no further corrective action is necessary. If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

Colby Sterling
District Manager

Talon/LPE



Table 1 - Soil Analytical Data

Prospect Energy MSSU 30-16 Larimer County, Colorado

					Cor	/kg)			
Sample ID	Lab ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	ТРН
COGCC Table 910-1	Concentration Lev	vels	0.17	85	100	175	NA	NA	500
SW-N @ 3.5'	1706231-01	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-E @ 3.5'	1706231-02	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-S @ 3.5'	1706231-03	06/22/17	< 0.0020	<0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
SW-W @ 3.5'	1706231-04	06/22/17	< 0.0020	< 0.0050	< 0.0050	< 0.0050	<0.5	<50	<50
BH-1 @ 7'	1706231-05	06/22/17	<0.0020	<0.0050	<0.0050	< 0.0050	<0.5	<50	<50

mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

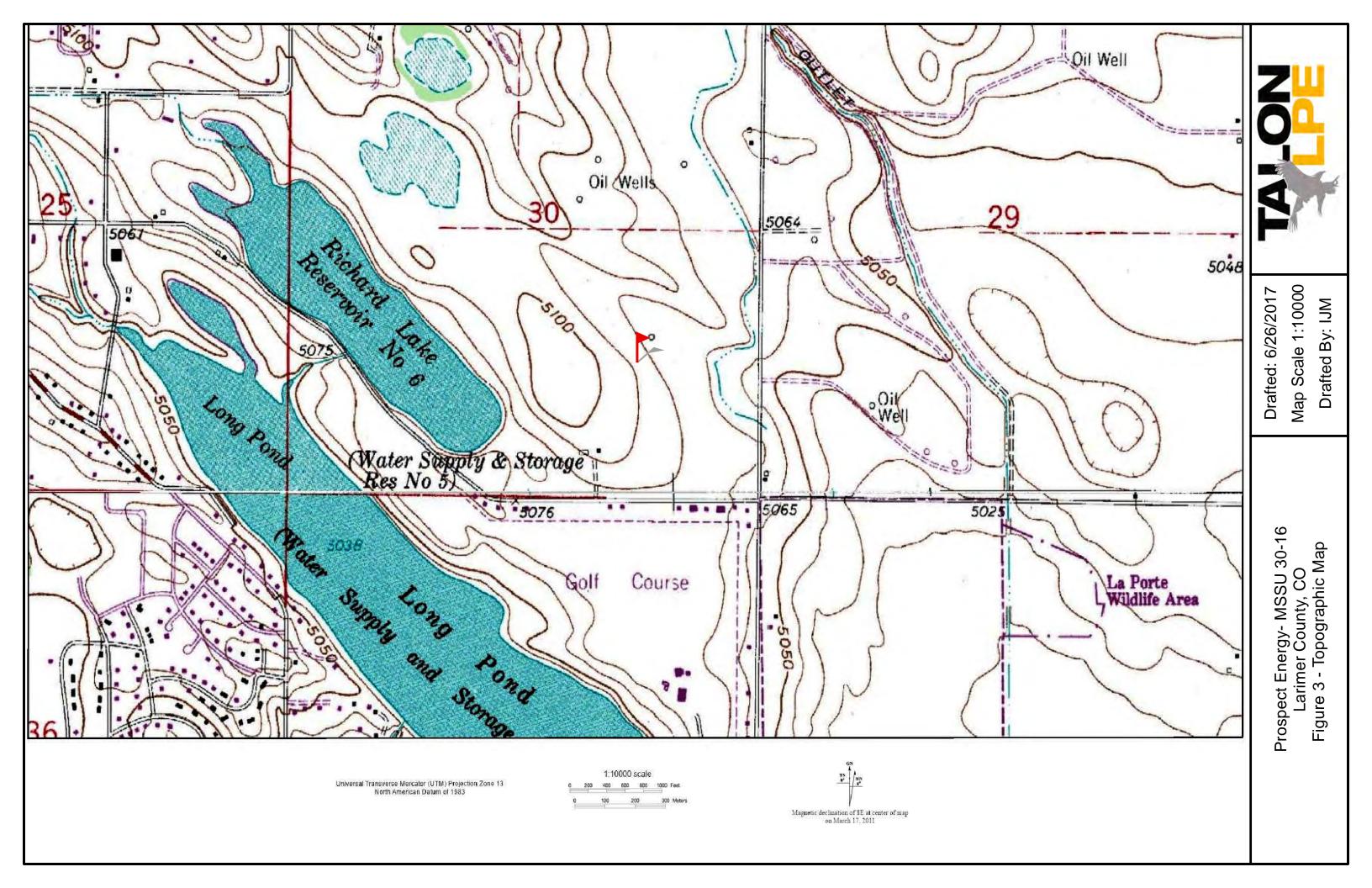
COGCC - Colorado Oil and Gas Conservation Commisssion

GRO - Gasoline Range Organics DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)







Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

June 23, 2017

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Prospect Energy - MSSU 30-16

Enclosed are the results of analyses for samples received by Summit Scientific on 06/22/17 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ben Shrewsbury

Laboratory Manager



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-N@3.5'	1706231-01	Soil	06/22/17 10:20	06/22/17 18:00
SW-E@3.5'	1706231-02	Soil	06/22/17 10:15	06/22/17 18:00
SW-S@3.5'	1706231-03	Soil	06/22/17 10:10	06/22/17 18:00
SW-W@3.5'	1706231-04	Soil	06/22/17 10:25	06/22/17 18:00
BH-1@7'	1706231-05	Soil	06/22/17 10:30	06/22/17 18:00

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Talon/LPE

1811 E Mulberry

Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Page ____ 1 of ____ 1

1706231

Summit Scientific

741 Corporate Circle Suite I + Golden, Colorado 80401 303-277-9310 + 303-374-5933 Fax

Address:		1 East Mul						-		Manager:	Co	by St	erlin	g						
City/State/Zip:		Collins, CO	80525					E-Mail:				rling								
		Fax:				_		Project Name:			Prospect Energy - MSSU 30-16									
Sampler Name:		olby Sterlin	ng			_		Pro	ect l	Number:						- 7	70210	08.003	3.01	
				Pi	reser	vati	ive			Matrix				A	naly	ze F	or:			-
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCI	HNO,	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	втех	GRO/DRO							Special Instruction
SW-N @ 3.5'	6/22/2017	1020		┝▔		x	_	Ť	x		┪	x	x	\vdash			\vdash	_		operation denois
SW-E @ 3.5'	6/22/2017	1015	1	Г	П	x			x		\vdash	x	x		\neg		\vdash			1
SW-S @ 3.5'	6/22/2017	1010	1	┢	-	x			x		\vdash	x	x	\vdash			Т	\vdash		1
SW-W @, 3.5'	6/22/2017	1025	1	Г	П	х			х			x	х		\Box					1
вн-1 (4)	6/22/2017	1030	1		П	x			x			х	х							
j				-	H	\dashv	-	-	Н		-	-				_				
		Π,		-	Н		ì				Н			+	-	- 1				
Relinquished by	1366	Time Date							-	Date/Tim		Furi	Ar	ound	Time	(Ch	eck)		7 1	Notestrius
X 6-	22-17	15:1			_			0	22	-17 15:1		Same 24 H	ours	1	x			dard		
Relinqui. d by.	-17-		/Time:	Rec	eived	by:				Date/Tim	e:	48 H	ours	i						
Relinquished by:			/Time:	Rec	eived	l in I	ab b	y:	_	Date/Time			perat	ure U				77	3	
												Intac	t:	Yes		No				

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Page 2 of 12



Ft Collins CO, 80524

17

Project: Prospect Energy - MSSU 30-16

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Sample Receipt Chec	cklist			
S2 Work Order:				
Client: TALON Client Project ID: PRZ	SPE	T F	NEX	16N1-MSSD 30
(UPS, FedEx, Hand Delivered, Pick-up, etc.)				
Matrix (check all that apply):Air×_Soil/Solid	Wa	ter _	Oth	ner:(Describe)
Cooler ID				
Temp (°C) ZZ.3				
Thermometer ID: 61857155-K				
Thermometer ID: 61857155-K	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0° C to $\leq 6^{\circ}$ C (1)? NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.	×			
Were all samples received intact (1)?	×			
Was adequate sample volume provided (1)?	×			
If custody seals are present, are they intact (1)?			×	
Are short holding time analytes or samples with HTs due within 48 hours present?	×			
Is a chain-of-custody (COC) form present and filled out				
completely (1)? Does the COC agree with the number and type of sample	×			
bottles received (**)?	×			
Do the sample IDs on the bottle labels match the COC (1)?				
time recorded (1)?	*			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			×	
Are samples preserved that require preservation (excluding cooling)(1)? Note the type of preservative in the Comments column – HCI, H2SO4, NaOH, HNO3, ect			×	
If samples are acid preserved for metals, is the pH < 2 ⁽¹⁾ ? Record the pH in Comments.				
if dissolved metals are requested, were samples field			×	
Additional Comments (if any):		i		
¹⁾ If NO, then contact the client before proceeding with an	alveie :	and no	te in c	and parenting

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



1811 E Mulberry

Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

SW-N@3.5' 1706231-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 10:20		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/22/17	8015M	
				Date Sa	mpled:	06/22/1	7 10:20		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/22/1	7 10:20		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	_
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

				Date Sar	npled:	06/22/1	7 10:20		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-	173	"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-	167	"	"	"	"	

Summit Scientific

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Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:56

SW-E@3.5' 1706231-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 10:15		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/23/17	8015M	
				Date Sa	mpled:	06/22/1	7 10:15		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	30-	150	"	"	"	"	_

Volatile Organic Compounds by EPA Method 8260B

				Date Sa	mpled:	06/22/1	7 10:15		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/22/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	II .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled:	06/22/17 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	23-	173	"	"	"	"	.
Surrogate: Toluene-d8		97.1 %	20-	170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-	167	"	"	"	"	

Summit Scientific

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Page 5 of 12



Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:56

SW-S@3.5' 1706231-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	Sampled: 06/22/17 10:10				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/23/17	8015M	-
				Date Sar	mpled:	06/22/1	7 10:10		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Ternhenyl		119 %	30-	150	"	,,	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	mpled:	06/22/1	7 10:10		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/23/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	n .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	n .	

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	-
Surrogate: Toluene-d8		99.6 %	20-	20-170		"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-	167	"	"	"	"	

Summit Scientific

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1811 E Mulberry

Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

SW-W@3.5' 1706231-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 10:25		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/23/17	8015M	-
				Date Sa	mpled:	06/22/1	7 10:25		

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		120 %	30-	150	"	"	"	"	_

Volatile Organic Compounds by EPA Method 8260B

				Date Sar	Date Sampled:		7 10:25		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/23/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	n .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	n .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	n .	

Date Sampled: 06/22/17 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	•
Surrogate: Toluene-d8		100 %	20-	20-170		"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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1811 E Mulberry

Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling **Reported:** 06/23/17 14:56

BH-1@7' 1706231-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

				Date Sa	mpled:	06/22/1	7 10:30		
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1706233	06/22/17	06/23/17	8015M	

Date Sampled: 06/22/17 10:30

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		122 %	30-	150	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

				Date Sampled:		06/22/17 10:30			
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1706232	06/22/17	06/23/17	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	m .	
Ethylbenzene	ND	0.0050	"	"	"	"	"	m .	
Xylenes (total)	ND	0.0050	"	"	"	"	"	m .	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	m .	

Date Sampled: 06/22/17 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	23-	173	"	"	"	"	•
Surrogate: Toluene-d8		101 %	20-	20-170		"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-	167	"	"	"	"	

Summit Scientific

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Page 8 of 12



Project: Prospect Energy - MSSU 30-16

Ft Collins CO, 80524

Project Number: 702108.003.01 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706233 - EPA 3550A										
Blank (1706233-BLK1)				Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	13.7		"	12.5		110	30-150			
LCS (1706233-BS1)				Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	612	50	mg/kg	499		123	73-134			
Surrogate: o-Terphenyl	14.6		"	12.5		117	30-150			
Matrix Spike (1706233-MS1)	Sour	ce: 170622	2-01	Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	447	50	mg/kg	499	86.3	72.4	50-148			
Surrogate: o-Terphenyl	12.9		"	12.5		103	30-150			
Matrix Spike Dup (1706233-MSD1)	Sour	ce: 170622	2-01	Prepared	& Analyz	ed: 06/22/	17			
C10-C28 (DRO)	488	50	mg/kg	499	86.3	80.5	50-148	8.64	20	
Surrogate: o-Terphenyl	14.4		"	12.5		115	30-150			

Summit Scientific

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1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1706232 - EPA 5030 Soil MS										
Blank (1706232-BLK1)				Prepared of	& Analyz	ed: 06/22/	17			
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	21-167			
LCS (1706232-BS1)				Prepared of	& Analyz	ed: 06/22/	17			
Benzene	0.0844	0.0020	mg/kg	0.100		84.4	58-130			
Toluene	0.0924	0.0050	"	0.100		92.4	61-134			
Ethylbenzene	0.0916	0.0050	"	0.0992		92.3	74-139			
m,p-Xylene	0.180	0.010	"	0.200		90.3	73-137			
o-Xylene	0.0916	0.0050	"	0.0980		93.5	73-141			
Xylenes (total)	0.272	0.0050	"				30-150			
Gasoline Range Hydrocarbons	0.344	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0418		"	0.0400		104	21-167			
Matrix Spike (1706232-MS1)	So	urce: 170622	2-01	Prepared of	& Analyz	ed: 06/22/	17			
Benzene	0.0820	0.0020	mg/kg	0.100	ND	82.0	30-131			
Toluene	0.0877	0.0050	"	0.100	ND	87.7	30-134			
Ethylbenzene	0.0843	0.0050	"	0.0992	ND	84.9	22-153			
m,p-Xylene	0.166	0.010	"	0.200	ND	83.2	10-159			
o-Xylene	0.0838	0.0050	"	0.0980	ND	85.6	31-151			
Xylenes (total)	0.250	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	0.319	0.50	"		9.68		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0430		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Summit Scientific

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Andrew



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Volatile Organic Compounds by EPA Method 8260B - Quality Control Summit Scientific

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1706232 - EPA 5030 Soil MS

Matrix Spike Dup (1706232-MSD1)	Sou	rce: 170622	2-01	Prepared &	& Analyz	ed: 06/22/	17			
Benzene	0.0809	0.0020	mg/kg	0.100	ND	80.9	30-131	1.36	34	
Toluene	0.0865	0.0050	"	0.100	ND	86.5	30-134	1.41	30	
Ethylbenzene	0.0796	0.0050	"	0.0992	ND	80.3	22-153	5.64	24	
m,p-Xylene	0.158	0.010	"	0.200	ND	78.9	10-159	5.28	68	
o-Xylene	0.0800	0.0050	"	0.0980	ND	81.6	31-151	4.76	38	
Xylenes (total)	0.237	0.0050	"		ND		30-150	5.11	20	
Gasoline Range Hydrocarbons	0.308	0.50	"		9.68		30-150	3.65	20	
Surrogate: 1,2-Dichloroethane-d4	0.0442		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



1811 E Mulberry Project Number: 702108.003.01 Ft Collins CO, 80524 Project Manager: Colby Sterling

Reported: 06/23/17 14:56

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

APPENDIX C HISTORICAL DOCUMENTATION

Waters Edge Morningstar Way & Brightwater Dr Fort Collins, CO 80524

Inquiry Number: 5007624.5

July 31, 2017

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

07/31/17

Site Name: Client Name:

Waters Edge CTL Thompson, Inc.

Morningstar Way & Brightwater 400 North Link Lane
Fort Collins, CO 80524 Fort Collins, CO 80524
EDR Inquiry # 5007624.5 Contact: Levi Stockton



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>	<u>Details</u>	Source
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: October 04, 1999	USGS/DOQQ
1993	1"=500'	Flight Date: June 30, 1993	USGS
1988	1"=750'	Flight Date: September 05, 1988	USGS
1984	1"=500'	Flight Date: September 18, 1984	USDA
1978	1"=750'	Flight Date: July 08, 1978	USGS
1971	1"=500'	Flight Date: August 07, 1971	USGS
1969	1"=500'	Flight Date: November 25, 1969	USGS
1950	1"=500'	Flight Date: August 02, 1950	USDA
1941	1"=500'	Flight Date: August 03, 1941	USDA
1937	1"=500'	Flight Date: July 21, 1937	USDA

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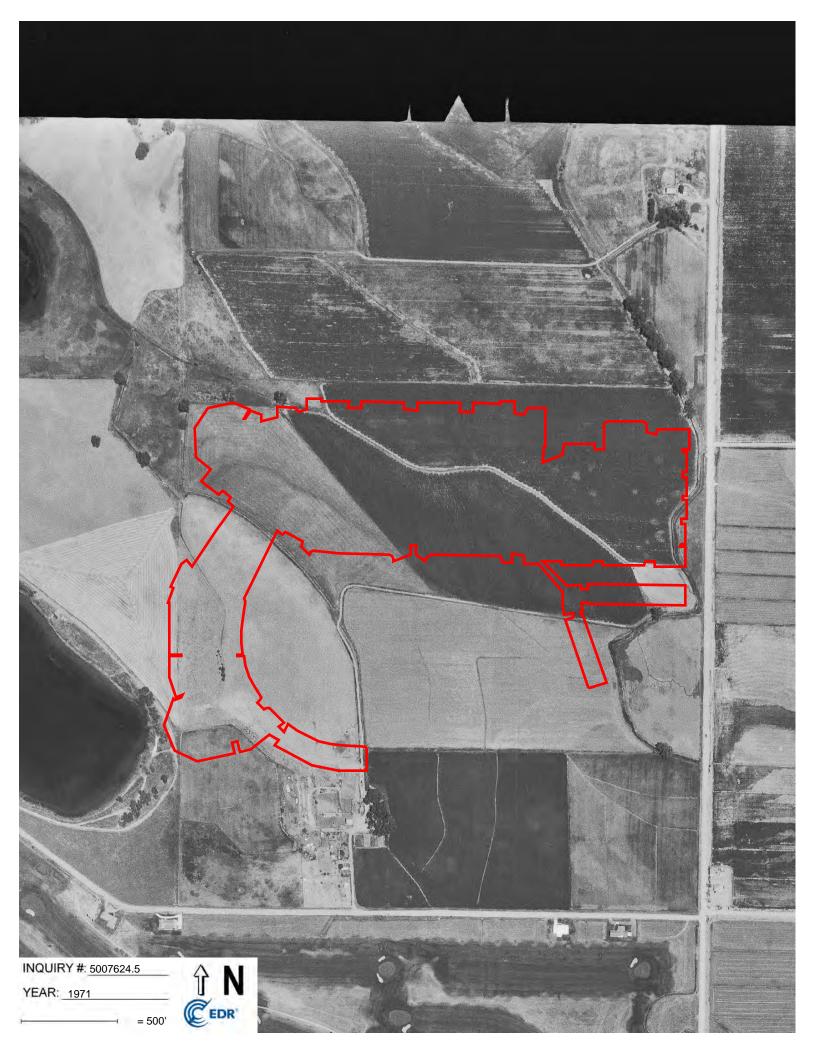


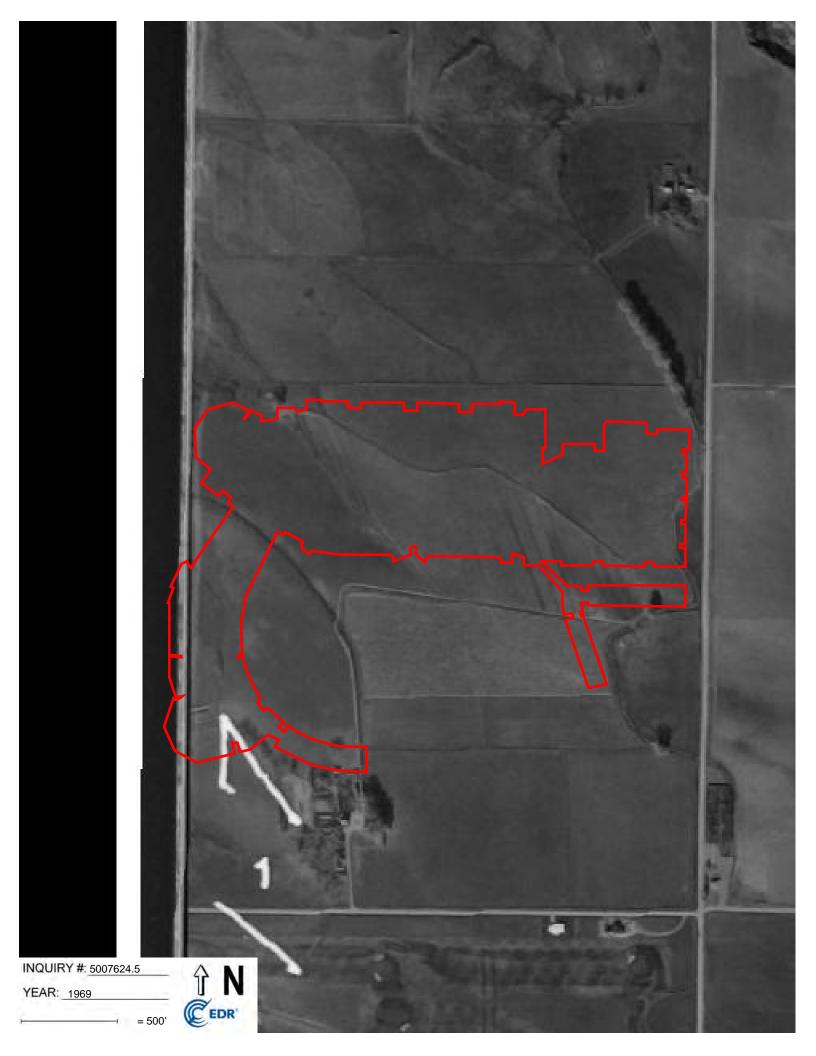


















Waters Edge Morningstar Way & Brightwater Dr Fort Collins, CO 80524

Inquiry Number: 5007624.3

July 28, 2017

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

07/28/17

Site Name: Client Name:

Waters Edge CTL Thompson, Inc.

Morningstar Way & Brightwater 400 North Link Lane
Fort Collins, CO 80524 Fort Collins, CO 80524

EDR Inquiry # 5007624.3 Contact: Levi Stockton



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by CTL Thompson, Inc. 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 #
 3835-4315-BD74

 PO #
 FC08010.000-200

 Project
 Water s Edge

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 #: 3835-4315-BD74

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✓ Library of Congress

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page 2

APPENDIX D EDR™ RADIUS MAP REPORT

Waters Edge

Morningstar Way & Brightwater Dr Fort Collins, CO 80524

Inquiry Number: 5007624.2s

July 28, 2017

The EDR Radius Map™ Report with GeoCheck®



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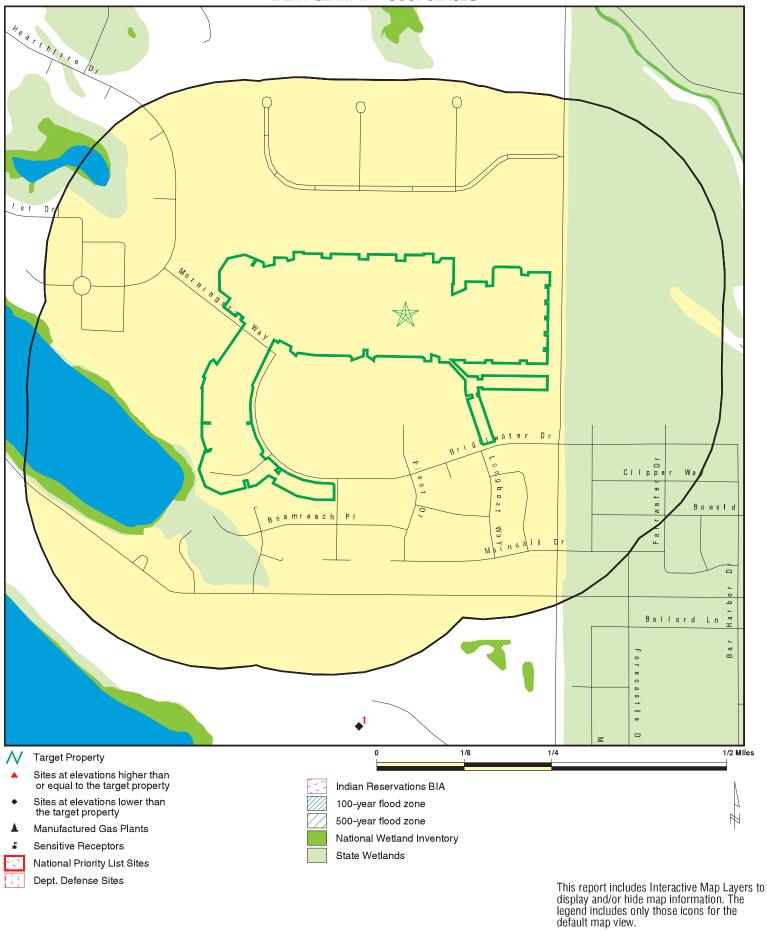
OVERVIEW MAP - 5007624.2S



SITE NAME: Waters Edge
ADDRESS: Morningstar Way & Brightwater Dr
Fort Collins CO 80524 CLIENT: CTL Thompso CONTACT: Levi Stockton CTL Thompson, Inc. INQUIRY#: 5007624.2s LAT/LONG: 40.630658 / 105.042992

DATE: July 28, 2017 11:13 pm

DETAIL MAP - 5007624.2S



SITE NAME: Waters Edge
ADDRESS: Morningstar Way & Brightwater Dr
Fort Collins CO 80524
LAT/LONG: 40.630658 / 105.042992

CLIENT: CTL Thompson, Inc.
CONTACT: Levi Stockton
INQUIRY #: 5007624.2s
DATE: July 28, 2017 11:15 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	e 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 NFRAI	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD fa	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	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 controls / engineering controls registries								
LUCIS US ENG CONTROLS US INST CONTROL	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 - equiva	lent CERCLIS	;						
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LAST LUST INDIAN LUST LUST TRUST	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0	0 1 0 0	NR NR NR NR	NR NR NR NR	0 1 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registere	ed storage tar	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0
State and tribal institution control / engineering control /		s						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntar	y cleanup site	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
HIST LF SWRCY INDIAN ODI ODI DEBRIS REGION 9 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	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency I	Release Repo	rts						
HMIRS CO ERNS SPILLS 90	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Rec	cords							
RCRA NonGen / NLR FUDS DOD	0.250 1.000 1.000		0 0 0	0 0 0	NR 0 0	NR 0 0	NR NR NR	0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500						— ND	
	0.500		0	0	0 ND	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION TSCA	0.250 0.001		0 0	0 NR	NR NR	NR NR	NR NR	0
TRIS	0.001		0	NR	NR	NR	NR	0 0
SSTS			0	NR NR	NR NR	NR NR		
ROD	0.001 1.000		0	0	0	0	NR NR	0 0
				NR	NR	NR		
RMP RAATS	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0
PRP	0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
PADS	0.001		0	NR NR	NR NR	NR	NR	0
ICIS			0	NR NR	NR	NR	NR	
FTTS	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0 0
				NR NR		NR		
MLTS	0.001		0	NR NR	NR NR	NR NR	NR	0
COAL ASH DOE	0.001		0				NR	0
COAL ASH EPA	0.500		0	0 NR	0 ND	NR	NR	0
PCB TRANSFORMER	0.001		0		NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	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 ND	NR	NR	NR	0
ABANDONED MINES FINDS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.001		0	0	NR	NR	NR	0
AIRS	0.230		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
METHANE SITE	0.001		0	NR	NR	NR	NR	0
Methane Investigation	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.230		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
OWITKA	0.500		U	U	U	INIX	INIX	U
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	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
EDR RECOVERED GO	OVERNMENT ARCHIV	/ES						
Exclusive Recover	ed Govt. Archives							
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	0	0	1	0	0	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

 1
 FORT COLLINS COUNTRY CLUB
 LUST
 1001136237

 South
 1920 COUNTRY CLUB RD
 UST
 N/A

1/4-1/2 0.326 mi. 1720 ft.

Relative: LUST:

Lower Facility ld: 3239
Status: Closed

FORT COLLINS, CO 80524

 Status:
 Closed

 Actual:
 Event ID:
 4646

 5079 ft.
 Confirmed Release:
 10/29/1990

Contact Name: Technical Assistance Line

Contact Phone: 303-318-8547
Contact Email: Not reported
Latitude Degrees: 40.6225280
Longitude Degrees: -105.04425

Click here for COSTIS:

CO UST:

Facility ID: 3239

Owner:

Owner Id: 2330

Owner Name: Fort Collins Country Club
Owner Address: Po Box 877

Owner City/State/Zip: Fort Collins, CO 80522

Owner County: Larimer

Tank Tag: 3239-1

Tank Status: Permanently Closed
Date Tank Installed: 05/06/1979
Tank Age: Not reported
Tank Chemical: Gasoline
Tank Type: UST

Tank Tag: 3239-2

Tank Status: Permanently Closed

Date Tank Installed: 05/05/1961
Tank Age: Not reported
Tank Chemical: Gasoline
Tank Type: UST

Click here for COSTIS:

EDR ID Number

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: 04/05/2017 Source: EPA
Date Data Arrived at EDR: 04/21/2017 Telephone: N/A

Number of Days to Update: 21 Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 04/05/2017 Source: EPA
Date Data Arrived at EDR: 04/21/2017 Telephone: N/A

Number of Days to Update: 21 Next Scheduled EDR Contact: 10/16/2017
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: 04/05/2017 Date Data Arrived at EDR: 04/21/2017 Date Made Active in Reports: 05/12/2017

Number of Days to Update: 21

Source: EPA Telephone: N/A

Last EDR Contact: 07/07/2017

Next Scheduled EDR Contact: 10/16/2017 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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/07/2017

Next Scheduled EDR Contact: 10/16/2017 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: 02/07/2017 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 16

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 07/21/2017

Next Scheduled EDR Contact: 10/30/2017 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: 02/07/2017 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 16

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/08/2017

Next Scheduled EDR Contact: 07/31/2017 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: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 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: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 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: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 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: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Varies

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: 12/28/2016 Date Data Arrived at EDR: 01/04/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 93

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/15/2017

Next Scheduled EDR Contact: 08/28/2017 Data 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: 02/13/2017 Date Data Arrived at EDR: 02/28/2017 Date Made Active in Reports: 06/09/2017

Number of Days to Update: 101

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/31/2017

Next Scheduled EDR Contact: 09/11/2017 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 02/13/2017 Date Data Arrived at EDR: 02/28/2017 Date Made Active in Reports: 06/09/2017

Number of Days to Update: 101

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/31/2017

Next Scheduled EDR Contact: 09/11/2017

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: 09/26/2016 Date Data Arrived at EDR: 09/29/2016 Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 06/28/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Public Health & Environment

Telephone: 303-692-3300 Last EDR Contact: 05/15/2017

Next Scheduled EDR Contact: 08/28/2017

Data Release Frequency: N/A

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

SWF/LF: Solid Waste Sites & 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: 12/04/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/04/2015

Number of Days to Update: 19

Source: Department of Public Health & Environment

Telephone: 303-692-3300 Last EDR Contact: 05/11/2017

Next Scheduled EDR Contact: 08/21/2017 Data Release Frequency: Annually

State and tribal leaking storage tank lists

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: 03/01/2017 Date Data Arrived at EDR: 03/10/2017 Date Made Active in Reports: 05/01/2017

Number of Days to Update: 52

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521 Last EDR Contact: 06/07/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing A listing of leaking aboveground storage tank sites.

Date of Government Version: 03/01/2017 Date Data Arrived at EDR: 03/10/2017 Date Made Active in Reports: 05/01/2017

Number of Days to Update: 52

Source: Department of Labor & Employment

Telephone: 303-318-8525 Last EDR Contact: 06/07/2017

Next Scheduled EDR Contact: 09/18/2017

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: 11/14/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

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

Date of Government Version: 10/07/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

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

Date of Government Version: 10/06/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: Environmental Protection Agency Telephone: 415-972-3372

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/27/2017

Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

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

Date of Government Version: 09/01/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

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

Date of Government Version: 10/01/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

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

Date of Government Version: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 98

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017 Data Release Frequency: Semi-Annually

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

Date of Government Version: 11/14/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

TRUST: Lust Trust Sites

Reimbursement application package. The 1989 Colorado General Assembly established Colorado's Petroleum Storage Tank Fund. The Fund reimburses eligible applicants for allowable costs incurred in cleaning up petroleum contamination from underground and aboveground petroleum storage tanks, as well as for third-party liability expenses. Remediation of contamination caused by railroad or aircraft fuel is not eligible for reimbursement. The Fund satisfies federal Environmental Protection Agency financial assurance requirements. Monies in the Fund come from various sources, predominantly the state environmental surcharge imposed on all petroleum products except railroad or aircraft fuel.

Date of Government Version: 03/16/2017 Date Data Arrived at EDR: 03/17/2017 Date Made Active in Reports: 05/01/2017

Number of Days to Update: 45

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521 Last EDR Contact: 06/21/2017

Next Scheduled EDR Contact: 10/09/2017 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: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/14/2017

Next Scheduled EDR Contact: 10/23/2017 Data Release Frequency: Varies

UST: Underground Storage Tank Database

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: 03/08/2017 Date Data Arrived at EDR: 03/10/2017 Date Made Active in Reports: 05/01/2017

Number of Days to Update: 52

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521 Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Quarterly

AST: Aboveground Tank List

Aboveground storage tank locations.

Date of Government Version: 03/08/2017 Date Data Arrived at EDR: 03/10/2017 Date Made Active in Reports: 05/01/2017

Number of Days to Update: 52

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521 Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Semi-Annually

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: 10/17/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

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: 10/06/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 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: 10/01/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Semi-Annually

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: 01/14/2017 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 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: 10/07/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Quarterly

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: 11/14/2016 Date Data Arrived at EDR: 01/26/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

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: 10/14/2016 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 05/05/2017

Number of Days to Update: 98

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017 Data Release Frequency: Semi-Annually

State and tribal institutional control / engineering control registries

AUL: Environmental Real Covenants List

Senate Bill 01-145 gave authority to the Colorado Department of Public Health and Environment to approve requests to restrict the future use of a property using an enforceable agreement called an environmental covenant. When a contaminated site is not cleaned up completely, land use restrictions may be used to ensure that the selected cleanup remedy is adequately protective of human health and the environment.

Date of Government Version: 01/09/2017 Date Data Arrived at EDR: 02/02/2017 Date Made Active in Reports: 04/25/2017

Number of Days to Update: 82

Source: Department of Public Health & Environment

Telephone: 303-692-3331 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/13/2017 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 06/27/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Varies

VCP: Voluntary Cleanup & Redevelopment Act Application Tracking Report

The Voluntary Cleanup and Redevelopment Act is intended to permit and encourage voluntary cleanups by providing a method to determine clean-up responsibilities in planning the reuse of property. The VCRA was intended for sites which were not covered by existing regulatory programs.

Date of Government Version: 12/16/2015 Date Data Arrived at EDR: 01/13/2016 Date Made Active in Reports: 03/04/2016

Number of Days to Update: 51

Source: Department of Public Health and Environmental

Telephone: 303-692-3331 Last EDR Contact: 07/12/2017

Next Scheduled EDR Contact: 10/23/2017 Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

Brownfields Sites Listing

Date of Government Version: 01/24/2017 Date Data Arrived at EDR: 01/27/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 89

Source: Department of Public Health & Environment

Telephone: 303-692-3331 Last EDR Contact: 07/21/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

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: 03/02/2017 Date Data Arrived at EDR: 03/02/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/20/2017

Next Scheduled EDR Contact: 10/02/2017 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HISTORICAL LANDFILL: Historical Landfill List Abandoned/Inactive Landfills.

Date of Government Version: 01/31/1993 Date Data Arrived at EDR: 04/24/1994 Date Made Active in Reports: 05/30/1994

Number of Days to Update: 36

Source: Department of Public Health & Environment

Telephone: 303-692-3300 Last EDR Contact: 09/05/1996 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Registered Recyclers Listing

A listing of registered recycler locations in the state of Colorado.

Date of Government Version: 03/13/2017 Date Data Arrived at EDR: 03/14/2017 Date Made Active in Reports: 05/03/2017

Number of Days to Update: 50

Source: Department of Public Health & Environment

Telephone: 303-692-3337 Last EDR Contact: 06/09/2017

Next Scheduled EDR Contact: 09/25/2017 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: 05/01/2017

Next Scheduled EDR Contact: 08/14/2017 Data Release Frequency: Varies

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

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: 07/24/2017

Next Scheduled EDR Contact: 11/08/2017 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: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 05/05/2017

Next Scheduled EDR Contact: 08/14/2017

Data 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: 02/09/2017 Date Data Arrived at EDR: 03/08/2017 Date Made Active in Reports: 06/09/2017

Number of Days to Update: 93

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/28/2017

Next Scheduled EDR Contact: 06/12/2017 Data Release Frequency: No Update Planned

CDL: Meth Lab Locations

Meth lab locations that were reported to the Department of Public Health & Environment.

Date of Government Version: 03/30/2017 Date Data Arrived at EDR: 04/04/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 22

Source: Department of Public Health and Environment

Telephone: 303-692-3023 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017 Data Release Frequency: Quarterly

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: 02/09/2017 Date Data Arrived at EDR: 03/08/2017 Date Made Active in Reports: 06/09/2017

Number of Days to Update: 93

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/31/2017

Next Scheduled EDR Contact: 09/11/2017 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 07/26/2017

Next Scheduled EDR Contact: 11/08/2017 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/28/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 37

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 06/28/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Annually

CO ERNS: Spills Database State reported spills.

> Date of Government Version: 03/30/2017 Date Data Arrived at EDR: 04/04/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 22

Source: Department of Public Health and Environmental

Telephone: 303-692-2000 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017 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: 10/15/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/06/2013

Number of Days to Update: 34

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: 12/12/2016 Date Data Arrived at EDR: 12/28/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Varies

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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/24/2017

Next Scheduled EDR Contact: 06/05/2017 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: 07/12/2017

Next Scheduled EDR Contact: 10/23/2017 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: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/14/2017

Next Scheduled EDR Contact: 10/23/2017

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: 05/19/2017

Next Scheduled EDR Contact: 08/28/2017 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: 02/13/2017 Date Data Arrived at EDR: 02/15/2017 Date Made Active in Reports: 05/12/2017

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 05/17/2017

Next Scheduled EDR Contact: 08/28/2017 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: 05/08/2017

Next Scheduled EDR Contact: 08/21/2017 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: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/05/2017

Next Scheduled EDR Contact: 08/21/2017 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: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/21/2017

Next Scheduled EDR Contact: 10/02/2017 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: 12/31/2014 Date Data Arrived at EDR: 11/24/2015 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 133

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 05/26/2017

Next Scheduled EDR Contact: 09/04/2017 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: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/26/2017

Next Scheduled EDR Contact: 08/07/2017 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: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/09/2017

Next Scheduled EDR Contact: 09/18/2017 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: 02/01/2017 Date Data Arrived at EDR: 02/09/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 57

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 07/24/2017

Next Scheduled EDR Contact: 11/08/2017 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: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 06/06/2017

Next Scheduled EDR Contact: 08/21/2017 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2016 Date Data Arrived at EDR: 04/28/2016 Date Made Active in Reports: 09/02/2016

Number of Days to Update: 127

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/10/2017

Next Scheduled EDR Contact: 07/24/2017 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 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: 07/24/2017

Next Scheduled EDR Contact: 10/23/2017 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: 05/19/2017

Next Scheduled EDR Contact: 09/04/2017 Data Release Frequency: Quarterly

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

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

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 05/19/2017

Next Scheduled EDR Contact: 09/04/2017 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 05/08/2017

Next Scheduled EDR Contact: 08/21/2017 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 06/05/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/05/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency Telephone: 202-566-0517

Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017 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: 01/04/2017 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/12/2017

Next Scheduled EDR Contact: 10/16/2017 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501

Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/02/2017

Next Scheduled EDR Contact: 08/14/2017 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2016 Date Data Arrived at EDR: 11/18/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/21/2017

Next Scheduled EDR Contact: 10/09/2017 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.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/26/2017

Next Scheduled EDR Contact: 09/04/2017 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: 07/11/2017

Next Scheduled EDR Contact: 10/23/2017 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: 12/23/2016 Date Data Arrived at EDR: 12/27/2016 Date Made Active in Reports: 02/17/2017

Number of Days to Update: 52

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 05/05/2017

Next Scheduled EDR Contact: 08/21/2017 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: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/22/2017

Next Scheduled EDR Contact: 09/04/2017 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 07/07/2017

Next Scheduled EDR Contact: 10/16/2017 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion 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 System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

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

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: 06/21/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Annually

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 06/21/2017

Next Scheduled EDR Contact: 10/09/2017 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/08/2017 Date Data Arrived at EDR: 02/28/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 05/31/2017

Next Scheduled EDR Contact: 09/11/2017 Data Release Frequency: Semi-Annually

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: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709

Last EDR Contact: 05/31/2017

Next Scheduled EDR Contact: 09/11/2017 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: 06/02/2017

Next Scheduled EDR Contact: 09/11/2017 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: 03/14/2017 Date Data Arrived at EDR: 03/17/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 21

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 06/09/2017

Next Scheduled EDR Contact: 09/25/2017 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/04/2017 Date Data Arrived at EDR: 04/07/2017 Date Made Active in Reports: 05/12/2017

Number of Days to Update: 35

Source: EPA

Telephone: (303) 312-6312 Last EDR Contact: 06/07/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017 Date Data Arrived at EDR: 03/21/2017 Date Made Active in Reports: 05/12/2017

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 06/07/2017

Next Scheduled EDR Contact: 09/18/2017 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: 06/02/2016 Date Data Arrived at EDR: 06/03/2016 Date Made Active in Reports: 09/02/2016

Number of Days to Update: 91

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 05/24/2017

Next Scheduled EDR Contact: 09/11/2017 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015 Date Data Arrived at EDR: 01/29/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 67

Source: Department of Defense Telephone: 571-373-0407 Last EDR Contact: 07/17/2017

Next Scheduled EDR Contact: 10/30/2017 Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 05/12/2017

Number of Days to Update: 79

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 05/24/2017

Next Scheduled EDR Contact: 09/04/2017 Data Release Frequency: Quarterly

AIRS: Permitted Facility & Emissions Listing

A listing of Air Pollution Control Division permits and emissions data.

Date of Government Version: 03/07/2017 Date Data Arrived at EDR: 03/09/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 48

Source: Department of Public Health & Environment

Telephone: 303-692-3213 Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/18/2017

Data Release Frequency: Varies

ASBESTOS: Asbestos Abatement & Demolition Projects

Asbestos abatement and demolition projects by the contractor.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 02/07/2017 Date Made Active in Reports: 04/25/2017

Number of Days to Update: 77

Source: Department of Public Health & Environment

Telephone: 303-692-3100 Last EDR Contact: 05/09/2017

Next Scheduled EDR Contact: 08/21/2017 Data Release Frequency: Semi-Annually

METHANE SITE: Methane Site Investigations - Jefferson County 1980

The objectives of the study are to define as closely as possible the boundaries of methane producing solid waste

landfills.

Date of Government Version: 12/31/1980 Date Data Arrived at EDR: 02/13/1995 Date Made Active in Reports: 04/04/1995

Number of Days to Update: 50

Source: Jefferson County Health Department

Telephone: 303-239-7175 Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

METHANE INVESTIGATION: Methane Gas & Swamp Findings

The primary objective of this study was to assess methane gas related hazards at selected landfill sites in Colorado. These sites were selected by the Colorado Department of Health following evaluation of responses received from

County and Municipal agencies about completed and existing landfills within their jurisdiction.

Date of Government Version: 03/15/1979 Date Data Arrived at EDR: 02/13/1995 Date Made Active in Reports: 04/04/1995

Number of Days to Update: 50

Source: Department of Health Telephone: 303-640-3335 Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Facilities A listing of drycleaning facilities.

Date of Government Version: 03/07/2017 Date Data Arrived at EDR: 03/08/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 49

Source: Department of Public Health & Environment

Telephone: 303-692-3213 Last EDR Contact: 06/02/2017

Next Scheduled EDR Contact: 09/18/2017 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for hazardous 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: 04/13/2017 Date Data Arrived at EDR: 04/14/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 12

Source: Department of Public Health & Environment

Telephone: 303-692-3350 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/13/2017 Date Data Arrived at EDR: 04/14/2017 Date Made Active in Reports: 04/26/2017

Number of Days to Update: 12

Source: Department of Public Health & Environment

Telephone: 303-392-3350 Last EDR Contact: 06/29/2017

Next Scheduled EDR Contact: 10/16/2017 Data Release Frequency: Varies

MINES: Permitted Mines Listing

This dataset represents permitted mines in the State of Colorado

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 04/19/2016 Date Made Active in Reports: 05/23/2016

Number of Days to Update: 34

Source: Division of Reclamation Mining and safety

Telephone: 303-866-3567 Last EDR Contact: 07/18/2017

Next Scheduled EDR Contact: 10/30/2017 Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Quality Control Division.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 11/08/2016 Date Made Active in Reports: 11/22/2016

Number of Days to Update: 14

Source: Department of Public Health & Environment

Telephone: 303-692-3611 Last EDR Contact: 07/27/2017

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

There were nine uranium mill tailings sites in Colorado designated for cleanup under the federal Uranium Mill Tailings Radiation Control Act. These nine sites, know commonly as UMTRA sites, were remediated jointly by the State of Colorado and the U.S. Department of Energy during the late 1980's and early 1990's. Mill tailings were removed from 8 of the mill sites and relocated in engineered disposal cells. A disposal cell is designed to encapsulate the material, reduce radon emanation, and prevent the movement of water through the material. At one site, Maybell, CO, the tailings were stabilized in-place at the mill site. After remediation of the tailings was completed, the State and DOE began to investigate the residual impacts to groundwater at the mill sites. The groundwater phase of the UMTRA program is on-going.

Date of Government Version: 11/23/2004 Date Data Arrived at EDR: 03/21/2007 Date Made Active in Reports: 05/02/2007

Number of Days to Update: 42

Source: Department of Public Health & Environment

Telephone: 970-248-7164 Last EDR Contact: 05/24/2017

Next Scheduled EDR Contact: 09/04/2017 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 Historic Gas 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 Historic Dry 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 Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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 Public Health & Environment in Colorado.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/15/2014 Number of Days to Update: 198 Source: Department of Public Health & Environment

Telephone: N/A

Last EDR Contact: 06/01/2012 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 Labor and Employment, Oil Inspection Section in Colorado.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

COUNTY RECORDS

ADAMS COUNTY:

Summary Report on Methane Gas Hazards and Surveys Conducted on Domestic and Demolition Landfills in Adams County As of May 8, 1978, all known landfills or dumping sites in the Adams County area have been surveyed.

Date of Government Version: 05/08/1978 Date Data Arrived at EDR: 02/16/1995 Date Made Active in Reports: 04/04/1995 Number of Days to Update: 47 Source: Tri-County Health Department Telephone: 303-761-1340

Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

ARAPAHOE COUNTY:

A Survey of Landfills in Arapahoe County

A survey of Arapahoe County was conducted from August through November, 1977, of all open and closed landfills and dumpsites in the county. Each of the sites found was classified as domestic or demolition.

Date of Government Version: 12/31/1978 Date Data Arrived at EDR: 02/16/1995 Date Made Active in Reports: 04/04/1995

Number of Days to Update: 47

Source: Tri-County Health Department

Telephone: 303-761-1340 Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

BOULDER COUNTY:

Old Landfill Sites

Landfill sites in Boulder county.

Date of Government Version: 05/01/1986 Date Data Arrived at EDR: 11/14/1995 Date Made Active in Reports: 12/07/1995

Number of Days to Update: 23

Source: Boulder County Health Department

Telephone: 303-441-1182 Last EDR Contact: 01/30/1998 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DENVER COUNTY:

Landfills in Denver County

Landfill sites in the city and county of Denver.

Date of Government Version: 02/13/2014 Date Data Arrived at EDR: 05/16/2014 Date Made Active in Reports: 06/13/2014

Number of Days to Update: 28

Source: City and County of Denver Telephone: 720-913-4839 Last EDR Contact: 06/23/2017

Next Scheduled EDR Contact: 10/02/2017 Data Release Frequency: No Update Planned

Investigation of Methane Gas Hazards

The purpose of this study was to assess the actual and potential generation, migration, explosive and related problem associated with specified old landfills, and to identify existing and potential problems, suggested strategies to prevent, abate, and control such problems and recommend investigative and monitoring functions as may be deemed necessary. Eight sites determined to be priorities due to population density and potential hazards to population and property were selected by the Colorado Department of Health.

Date of Government Version: 01/01/1981 Date Data Arrived at EDR: 01/29/2013 Date Made Active in Reports: 03/08/2013

Number of Days to Update: 38

Source: City and County of Denver Department of Environmental Health

Telephone: 720-865-5522 Last EDR Contact: 01/15/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DOUGLAS COUNTY:

Douglas County Landfill Key

Landfill sites in Douglas county.

Date of Government Version: 06/12/1991 Date Data Arrived at EDR: 02/16/1995 Date Made Active in Reports: 04/04/1995

Number of Days to Update: 47

Source: Tri-County Health Department

Telephone: 303-761-1340 Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

PUEBLO COUNTY:

Designated Disposal & Landfill Sites

Only inert materials. Asphalt, cement, dirt & rock unless otherwise specified. These sites are no longer active.

Date of Government Version: 04/30/1990 Date Data Arrived at EDR: 11/16/1995 Date Made Active in Reports: 12/07/1995

Number of Days to Update: 21

Source: Pueblo City-County Health Department

Telephone: 719-583-4300 Last EDR Contact: 11/13/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

TRI COUNTY:

Tri-County Area Solid Waste Facilities List (Adams, Arapahoe and Douglas Counties)

Closed Domestic Landfills in Adams County, Closed Domestic Landfills in Arapahoe County, Closed Demolition Landfills in Arapahoe County, Closed Domestic Landfills in Douglas County.

Date of Government Version: 10/15/1983 Date Data Arrived at EDR: 02/16/1995 Date Made Active in Reports: 04/04/1995

Number of Days to Update: 47

Source: Tri-County Health Department

Telephone: 303-761-1340 Last EDR Contact: 01/27/1995 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

WELD COUNTY:

Solid Waste Facilities in Weld County
Solid Waste Facilities in Weld County.

Date of Government Version: 12/05/2014 Date Data Arrived at EDR: 12/12/2014 Date Made Active in Reports: 01/07/2015

Number of Days to Update: 26

Source: Weld County Department of Public Health

Telephone: 970-304-6415 Last EDR Contact: 05/08/2017

Next Scheduled EDR Contact: 08/21/2017 Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/15/2017

Next Scheduled EDR Contact: 08/28/2017 Data Release Frequency: No Update Planned

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: 01/30/2017 Date Data Arrived at EDR: 02/01/2017 Date Made Active in Reports: 02/13/2017

Number of Days to Update: 12

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 05/03/2017

Next Scheduled EDR Contact: 08/14/2017 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 07/22/2016 Date Made Active in Reports: 11/22/2016

Number of Days to Update: 123

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 07/17/2017

Next Scheduled EDR Contact: 10/30/2017 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/13/2017 Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/12/2017

Next Scheduled EDR Contact: 09/25/2017 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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: Daycare Listing Source: Department of Human Services

Telephone: 303-866-5958

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: Riparian Vegetation Data

Source: Division of Wildlife Telephone: 970-416-3360

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

STREET AND ADDRESS INFORMATION

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APPENDIX E

RESUMES



EDUCATION

B.S. Environmental Engineering Colorado State University, 2012

TRAINING & CERTIFICATIONS

Certified Asbestos Inspector
Certified Asbestos Management Planner
Certified Asbestos Air Monitoring Specialist

PROFESSIONAL SUMMARY

Mr. Stockton joined CTL | Thompson in 2013 with 1 year of experience in environmental consulting. As a Staff Engineer in the Environmental Department in our Fort Collins office, his responsibilities include performing field work and data research on environmental-related issues and producing written reports for clients.

He has a background in asbestos building inspections, project oversight, and air monitoring and clearances. He also has experience with designing septic systems, produced water treatment processes and industrial hygiene.

PROJECT EXPERIENCE

Soil Expansion Remediation

Assistant Project Manager for large remediation project in Broomfield, Colorado. Coordinated contractors and provided oversight for contractor activities. Updated building drawings to reflect actual plumbing design in building. Developed estimates for additional necessary remediation activities and obtained samples for analysis of groundwater conditions.

Asbestos Surveys and Abatement Projects

Performed asbestos surveys and air monitoring services for various large projects, including several hospitals, Denver Union Station, Republic Plaza buildings, Denver Marriott West, Denver Academy, University of Colorado (Boulder campus), University of Wyoming, Colorado State University, Platte Valley School District, Colorado State Bank Building, renovation of a King Soopers store, and demolition of a school building in Hanna, Wyoming. Performed asbestos inspections, provided contractor oversight and performed final visual and air clearances for abatement projects.

Mold Inspection and Remediation Projects

Performed mold inspections on hospitals, hotels, downtown Denver tower building projects, and multiple City of Loveland Buildings, utilizing thermal imaging cameras and moisture meters. Obtained bids from contractors and provided oversight for remediation.

Methamphetamine Contamination Remediation

Performed inspection for meth under CDPHE contract. Also performed clearance inspection on contaminated building after remediation.

Environmental Site Assessments

Performed Phase I and Phase II Environmental Site Assessments at South Fort Collins Residential Development and oversaw cleanup of oil and chemical containers and contaminated soil. Also performed Phase I ESAs on Hilltop Plaza Building in downtown Boulder, Terra Vida Apartment complex in Fort Collins, Promontory Residential Subdivision in Greeley, Water Valley Subdivision in Windsor, the former Golden Gravel facility in Longmont, and the new downtown development in Loveland including fifteen properties.

Onsite Wastewater Treatment System Designs

Performed site evaluations, soil evaluations, and percolation tests and designed onsite wastewater treatment systems for residential and commercial properties in the mountains, foothills, and plains. Designed conventional systems and engineered systems, including systems using advanced treatment units. Worked with county officials to develop designs meeting new regulation requirements.



EDUCATION

B.A. Environmental Science University of Virginia, 1992

TRAINING & CERTIFICATIONS

Certified Asbestos Inspector Certified Asbestos Air Monitoring Specialist CDOT Certified Erosion Control Supervisor

PROFESSIONAL SUMMARY

Mr. Harris joined CTL|Thompson in 2012 with 20 years of experience in environmental consulting. As the Environmental Department Manager in our Fort Collins office, his responsibilities include project management and consultation on all environmental-related issues.

He comes with an extensive experience background, including experience in Phase I and Phase II Environmental Site Assessments, Brownfield redevelopments and voluntary cleanup programs, asbestos, mold, and environmental regulatory compliance and permitting.

He manages environmental projects including inspections, planning, design, and remediation oversight. He is also experienced in environmental assessments, indoor air quality, risk assessments, underground storage tank investigations, spill assessments, and soil and groundwater remediation. He provides technical and health and safety training to clients for compliance with USEPA, OSHA, and DOT, and State regulations.

PROJECT EXPERIENCE

Fort Collins-Loveland Airport, Loveland, Colorado

Project manager and senior technical staff member for assessment activities and risk-based closures associated with releases of aviation fuel (2004) and chlorinated solvents (2008) at a fixed based operations (FBO) hangar facility. For both releases, conducted soil and groundwater sampling and laboratory analyses, conducted contaminant fate and transport modeling, performed comprehensive human health risk assessments, and petitioned for risk-based case closure. Closure granted for 2004 petroleum release, and closure pending for chlorinated solvent release, contingent on airport management implementation of risk-based property use restrictions.

Historic Dinneen Building, Cheyenne, Wyoming

Project manager for Wyoming Department of Environmental Quality (WDEQ) Voluntary Remediation Program (VRP) assessment and remediation of historic automotive dealer, repair shop, and body shop, Soil and groundwater investigation identified contamination with chlorinated solvents, heavy metals, and petroleum constituents. Performed risk assessment, developed remediation work plan that was approved by WDEQ and implemented in conjunction with site construction activities.



Resume DANA HARRIS Environmental Department Manager

JC Penney Demolition, Fort Collins, Colorado

Project manager, asbestos inspector, and air monitoring specialist for pre-demolition asbestos survey, asbestos abatement contractor procurement, and asbestos abatement project oversite and air monitoring for former JC Penney store scheduled for demolition at Fort Collins Mall.

Rialto Bridge Project, Loveland, Colorado

Project manager for pre-demolition activities at two buildings being purchased for expansion of the historic Rialto Theater. Conducted asbestos survey, hazardous materials survey, developed asbestos abatement cost estimates, developed abatement project specifications and obtained contractor bids, performed oversite and air monitoring services for asbestos and hazardous materials abatement.

Higher Education Projects

Performed project management, asbestos surveys, and air monitoring services for various higher education facilities, including Colorado State University (CSU) Fort Collins and Pueblo campuses, University of Colorado (Boulder and Denver Health campuses), University of Wyoming, AIMS Community College, and Front Range Community College.

K-12 Education Projects

Performed project management, asbestos surveys, AHERA Management Plan Update/Re-Inspections, asbestos training, and air monitoring services for various K-12 facilities, including Aurora Public Schools and Thompson Valley Schools in the Front Range; Eagle Schools, Grand County Schools and Walden Schools on the Western Slope; Weldon Valley Schools, Wray Schools, and the Northeast Colorado Boards of Cooperative Educational Services (BOCES) in Eastern Colorado.

Phase I ESAs

Have managed more than 1,000 Phase I ESAs in more than 30 states in the U.S., as well as ASTM-equivalent site assessments in Europe and South America.

Stormwater

Managed and performed industrial and construction stormwater compliance projects, including permitting, preparation of stormwater pollution prevention plans, and field inspections of erosion control and sedimentation control best management practices (BMPs). Experienced with 2008 EPA Multi-Sector General Permit (MSGP) requirements, which was implemented in draft form by the state of Colorado in 2012. Experience with large and small construction sites, industrial sites, and oil and gas facilities, which the States of Colorado and Wyoming chose not to exempt from stormwater regulation despite the provisions of the 2005 National Energy Policy.

Spill Prevention Control and Countermeasures (SPCC)

Managed and performed SPCCs for various facilities, including oil and gas exploration facilities, oil and gas production facilities, oil and gas waste disposal facilities, dairy facilities, and general non-production facilities with regulated oil storage. Prepared contingency plans and substantial harm/facility response plan evaluations for special facilities (operations over water and/or greater than 1,000,000 gallons of storage). Managed tank testing per Steel Tank Institute (STI) and American Petroleum Institute (API) standards.

Waste Management and Air Emissions

Managed solid waste design and monitoring projects including private Cheley landfill closure in Estes Park and A1 Organic composting facilities across the Front Range. Performed hazardous waste management, characterization, and disposal assistance for facilities including CSU Fort Collins, City of Loveland, and private entities. Managed and performed air emissions (APENs) for oil and gas facilities.

