# Phase I Environmental Site Assessment Report

Former Markwardt Brothers Garage Chiloquin, Klamath County, Oregon

May 17, 2021

Prepared for: City of Chiloquin, Oregon





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Project Name: Phase I Environmental Site Assessment

Former Markwardt Brothers Garage

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Cardno Project #: CHILOQ100

Date: May 17, 2021

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### 1 Executive Summary

Cardno has completed a Phase I Environmental Site Assessment (ESA) of the Former Markwardt Brothers Garage property located in Chiloquin, Klamath County, Oregon (**Figure 1**). The Subject Property is currently developed with a single-story commercial building totaling approximately 8,500 square feet (sq. ft.) of concrete block and brick construction, some of which is coated with plaster/stucco.

According to the City of Chiloquin Public Works Department, the remaining on-site building was utilized as an auto repair/car dealership facility from approximately the 1930s – 1960s; second-hand store in the 1970s; and Juniper wood products facility in the 1980s. Until recently the area of the site to the north of the on-site building was occupied by a commercial building that recently collapsed with the exception of a vault that still remains. All that remains is a pile of rubble. This building was formerly occupied by the Chiloquin Mercantile. The area to the north of the rubble pile consist of vacant land once occupied by a rooming house.

The remaining building is currently vacant and the site is owned by and in the care of Klamath County. The subject site/property is located in downtown Chiloquin, Oregon, which will herein be referred to as "The Subject Site/Property" or "the Site". According to information on the Klamath County Tax Assessor records the Subject Property consists of two parcels (Parcel ID 3407-034DC-00500 and Parcel ID 3407-034DC-00400) of land totaling approximately 0.55 acres and is located at the northeast of the North 1st Avenue and West Chocktoot Street intersection (**Figure 2-3**).

Photos of the Subject Property and surrounding properties taken during the site visit are provided in **Appendix A.** A surrounding land use map is provided as **Figure 4**. This assessment was performed under and funded by the City of Chiloquin's Business of Oregon Brownfield Grant in general accordance with 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries and ASTM Standard Practices E1527-13 for Environmental Site Assessments.

This assessment was performed to satisfy the requirements of City of Chiloquin (Client) with respect to identifying potential environmental impairment and liabilities associated with the property due to contamination by hazardous substances, controlled substances, or petroleum products on or near the site. The City of Chiloquin is considering taking title to the Subject Property and is of the opinion that the property may have significant residential, commercial, or mixed-use development potential.

This Phase I Environmental Site Assessment was completed in general accordance with ASTM Standard: E 1527-13 – Standard Practice for Environmental Site Assessments. This report meets the general requirements for conducting all appropriate inquiry into the previous ownership, uses, and environmental conditions of a property, as specified in 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries. Furthermore, this work was conducted by or under the responsible charge of an environmental professional as defined in 40 CFR §312.10.

ASTM Standard Practice E1527-13 defines a Recognized Environmental Condition (REC) as:

"The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include *de Minimis* conditions that generally do not present a threat to human 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 Practice E1527-13 defines a Controlled Recognized Environmental Condition (CREC) as:

"A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

ASTM Standard Practice E1527-13 defines a Historical Recognized Environmental Condition (HREC) as:

"A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls."

#### 1.1 Findings and Conclusions

Cardno completed this Phase I ESA of the Subject Site in conformance with the scope and limitations of ASTM Standard E 1527-13. Any exceptions to or deletions from this practice are described in Section 2.0 of this report. The following RECs associated with the Subject Property were identified during this assessment:

	FINDINGS AND CONCLUSIONS SUMMARY						
Report Section		Further Action?	De minimis Condition	REC and/or CREC	HREC	Description	
4.0	User Provided Information	No	No	No	No		
5.1	Federal, State and Local Database Findings	No	No	No	No	The former Texaco gas station to the west across North 1 <sup>st</sup> Avenue is considered a HREC as it received a No Further Action designation from Oregon DEQ. (HREC #1).	
5.2	Additional Environmental Record Sources	No	No	No	No		
5.3	Local Environmental Record Sources	No	No	No	No		
5.3	Historical Records Sources	Yes	No	Yes	No	A Printing facility (REC #4) and a Cleaning facility (REC #5) were identified in the 1931 Sanborn FIM.	
6.2	Hazardous Substance Use, Storage and Disposal	Yes	No	Yes	No	Former use as an auto repair garage of unknown best management practices in disposal of hazardous substances (REC #2).	
6.3	Underground Storage Tanks	Yes	No	Yes	No	Possible UST(s) and/or heating oil tank on the Subject Property (REC #1 & 3).	
6.4	Aboveground Storage Tanks	No	No	No	No		
6.5	Other Petroleum Products	No	No	No	No		
6.6	Polychlorinated Biphenyls (PCBs)	Yes	No	Yes	No	Three in-ground hydraulic lifts were observed in the on-site building (REC #2).	
6.7	Unidentified Substance Containers	No	No	No	No		
6.8	Nonhazardous Solid Waste	No	No	No	No	A pile of wood chips was observed within the on-site building. The former adjacent building to the North was demolished and the associated debris remains on-site.	
6.9	Wastewater	No	No	No	No		
6.10	Waste Pits, Ponds, and Lagoons	No	No	No	No		
6.11	Drains and Sumps	No	No	No	No		
6.12	Septic Systems	No	No	No	No		

6.13	Storm water Management System	No	No	No	No	A stormwater drain was observed along W. Chocktoot St.
6.14	Wells	No	No	No	No	
7.0	Subsurface Vapor Migration	Yes	No	Yes	No	There is potential for vapor migration from the RECs below (RECs #1-5).
8.0	Interviews	No	No	No	No	
9.1	Asbestos Containing Material	Yes	No	No	No	Asbestos-containing materials have been identified in association with the remaining building. The potential for asbestos containing material in the debris form the collapsed building also exists.
9.2	Lead-Based Paint	Yes	No	No	No	Lead-based paints have been identified in association with the remaining building. The potential for lead-based paint in the debris from the collapsed building also exists.

The RECs identified during this assessment are located on **Figure 6.** Phase II ESA investigations and/or other actions are recommended to fully characterize the Subject Property.

#### **On-Site REC**

- 1. According to the 1931 Sanborn FIM, the building was used as an auto repair garage and an area with-in the on-site building, at the southwest corner, is labeled "Gas & Oil". Further, during site reconnaissance, Cardno personnel identified a potential UST vent pipe attached to the west interior wall of the on-site building. Therefore, there is potential for a UST(s) to exist on the property and said tank may have impacted the soil, groundwater, and/or vapor at the Subject Property.
- 2. The remains of three in-ground hydraulic lifts and one oil-changing pit were observed in the building. According to the 1931 Sanborn Fire Insurance Map (FIM), the on-site building is labeled as being an auto repair/garage facility. Additionally, based on the age of the building, this time-frame predates the regulation of the storage/disposal of hazardous substances such as used oil and other non-regulated automobile chemicals. Based on the age and duration of use, the in-ground lifts and unknown chemical management and disposal practices associated with historic operations, site soil, groundwater, and/or vapor may have been impacted by historic site operations.
- 3. During site reconnaissance, Cardno identified a potential vent pipe in the interior of the building along the eastern wall. This could be an indication for a UST and/or heating oil tank to exist on the Subject Property. Based on the age and duration of the former use of the building, there is potential for a UST/heating oil tank on the property that may have impacted the soil, groundwater, and/or vapor at the Subject Property.

#### **Off-Site RECs**

- 4. According to the 1931 Sanborn FIM, a Printing facility is located approximately 80 feet to the east. The length of operation for this facility is unknown. There is potential for a release from this facility.
- 5. According to the 1931 Sanborn FIM, a Cleaning facility is located approximately 120 feet to the southeast. The length of operation for this facility is unknown. There is a potential for a historic release from this facility.

#### Off-site HRECs

1. According to Oregon Department of Environmental Quality (ODEQ) records, the former Chiloquin Texaco, located west and approximately 45 feet away, indicate that four USTs were installed pre-1989 which predates UST registration. These tanks were removed from the property in July 1994, and three new registered gasoline USTs were installed in the UST tank excavation in August 1994. The

new tanks were subsequently removed in 2017. Post-excavation confirmation sampling conducted in 2017 and soil sampling conducted in June 2018 indicate that the residual petroleum in soil are low. On July 22, 2019, ODEQ granted an NFA determination letter for the Chiloquin Texaco site. Based on the issuance of an NFA, and given the assumed ground waterflow direction away from the subject site, this facility is considered a historical REC. See Section 5.1 for further details.

#### **Asbestos-Containing Materials**

Asbestos containing materials (ACMs) were identified throughout the interior of the building including:

- Interior white skim coat on plaster surfacing, totaling approximately 3,600 square feet (SF), located within the western most portions of the on-site building.
- Interior white texture and joint compound on drywall, totaling approximately 1000 SF, located within the western most portions of the on-site building.
- Interior white caulk, totaling approximately 50 linear feet (LF), located on interior west wall windows.

Overall, given the state of the buildings, most of these materials were in good to fair condition. Therefore, the identified ACM has a low probability of disturbance during ordinary use. Prior to any renovation or demolition that may cause the ACM to become friable, the material should be removed or abated by a qualified asbestos abatement contractor.

The following suspect building materials were not sampled and should be considered presumed asbestos containing materials (PACM):

• Exterior building debris from former attached north addition, totaling approximately 650 cubic yards (CY).

The building to the north was constructed around the same time as the remaining building, and the building debris appeared to have suspect materials. Therefore, the building debris/rubble should be considered asbestos containing until sampling by a licensed asbestos inspector indicates otherwise.

#### **Lead-Based Paint**

Lead-based paint (LBP) was identified on various painted surfaces throughout the interior and exterior of the building in various tenant spaces including:

- Red paint on exterior concrete masonry unit (CMU), totaling approximately 3,600 SF, located on the exterior east, south, and west walls.
- Tan/gray paint on interior ceiling, totaling approximately 1,200 SF, located on wood board ceiling on the southwest corner of the building.

Most of the identified painted surfaces were in poor condition, with peeling and deterioration noted. As the building is not considered to be child-occupied facility, the identified LBP can be left intact unless disturbed during renovation or demolition.

A more detailed summary of the ACM and LBP inspection will be provided under a separate cover and included as **Appendix H**.

Please note: This is a cursory summary of findings. The full report must be read in its entirety for a comprehensive understanding of the stated conclusions/recommendations

## 2 Introduction

#### 2.1 Purpose

The purpose of this Phase I ESA was to identify RECs in connection with the property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of *ASTM Standard Practice E1527-13*. This report documents our assessment, conclusions, and recommendations.

#### 2.2 Detailed Scope of Services

This Phase I ESA was conducted in general accordance with the *ASTM Standard Practice E1527-13*, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to *ASTM Standard Practice E1527-13* are noted below and detailed in the corresponding sections of this report. The scope of this assessment included following evaluations:

- Assessment of the physical characteristics of the property through a review of referenced sources such as available topographic maps and geologic, soils, and hydrogeological reports.
- Review of the Subject Property, adjoining properties, and surrounding area via referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Site observation and interviews with knowledgeable persons regarding the current property
  usage and conditions including: use, treatment, storage, disposal, or generation of
  hazardous substances/waste, petroleum products, nonhazardous solid wastes, and
  wastewater.
- Assessment of the use and condition of adjoining and surrounding properties and their likely impact on the Subject Property from known or suspected releases of hazardous substances or petroleum products.
- Review of information in referenced environmental agency databases and local environmental records from within the specified minimum search distances from the property.
- Assessment of the potential for subsurface vapor encroachment.
- Asbestos and Lead-Based Paint (LBP) sampling to identify asbestos-containing building materials (ACM) or LBP.

No additional investigations, work, or other quantitative/qualitative testing was performed as part of this assessment that was not required by the *ASTM Standard Practices E1527-13*. An example of non-scope investigations includes, but are not limited to, the following: Radon, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Resources, Industrial Hygiene, Health and Safety, Geotechnical Evaluation, Sinkhole Evaluation, Ecological Resources, Endangered Species, Indoor Air Quality, Vapor Intrusion, Biological Agents, and Mold.

#### 2.3 Significant Assumptions

While this report provides an overview of potential past and present environmental concerns, the environmental assessment is limited by the availability of information at the time of the assessment. It

is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified.

The findings and recommendations regarding environmental conditions that are presented in this report are based on the scope of work authorized by the Client. It should be noted, that no matter how exhaustive an assessment might be, there still exists the potential for unidentified environmental conditions above or below ground. Cardno also assumes that the Client and other interested parties will read this report in its entirety.

#### 2.4 Limitations, Exceptions, Deviations and/or Data Gaps

Cardno has prepared this Phase I ESA report using reasonable efforts to identify RECs associated with hazardous substances or petroleum products at the Site. Findings contained within this report are based on information collected from observations made during the site reconnaissance on October 6, 2020 and reasonably ascertainable information obtained from public agencies and other referenced sources.

The ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- Uncertainty Not Eliminated A Phase I ESA cannot completely eliminate uncertainty regarding the potential for recognized environmental conditions in connection with any property.
- Not Exhaustive A Phase I ESA is not an exhaustive investigation of the property and environmental conditions on such property.
- Past Uses of the Property Phase I requirements only require review of standard historical sources at five-year intervals. Therefore, past uses of property at less than five-year intervals may not be discovered.

Users of this report may refer to *ASTM Standard Practice E1527-13* for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews, and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

Cardno makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable Federal, State, and local laws, regulations, and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations, conditions, and locations not investigated. Regardless of the findings stated in this report, Cardno is not responsible for consequences or conditions arising from facts not fully disclosed to Cardno during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by Cardno's observations or other credible referenced sources reviewed during the assessment. Cardno shall not

be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

Cardno makes no warranty, guarantee or certification regarding the quality, accuracy, or reliability of any prior report provided to Cardno and discussed in this Phase I ESA report. Cardno expressly disclaims any and all liability for any errors or omissions contained in any prior reports provided to Cardno and discussed in this Phase I ESA report.

Cardno used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records, and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, vegetation, paving, construction activities, stored materials, and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the *Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act* or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of Cardno.

Cardno did not act as a professional title insurance or land surveyor firm as part of this investigation, and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional statement in Section 1.1 of this report does not "certify" the findings contained in this report and is not a legal opinion of such Environmental Professional. The statement is intended to document Cardno's opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the Environmental Professional were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in *ASTM Standard Practice E1527-13* and the scope of work for this assessment.

Per ASTM Standard Practice E1527-13, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of recognized environmental conditions in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for Landowner Liability Protections (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Cardno makes no representations or warranties regarding a User's qualification for protection under any Federal, State or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E1527-13, this report is presumed to be valid for a sixmonth period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet *the ASTM Standard Practice E1527-13* and therefore, the entire report must be updated to reflect current conditions and property-specific information

No data gaps were identified during this Phase I investigation.

#### 2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by the City of Chiloquin, as well as any of their affiliates, respective successors, and assigns, in connection with a commercial real estate transaction involving the property, and in accordance with the terms and conditions in place between Cardno and the Client for this project. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of Cardno is at the sole risk and expense of such third party.

Cardno makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either expressed or implied.

### 3 Site Description

#### 3.1 Location and Legal Description

The Subject Site is comprised of two tax parcels, currently owned by the Klamath County, located at the center of downtown Chiloquin, Oregon as shown on **Figures 2 and 3**. The Subject Property is bound by a commercial facility to the north, undeveloped/vacant land to the northeast, multi-commercial facility to the east, Sky Lakes Wilderness Adventures and Klamath Tribal Courts & Child Support Enforcement Office to the southeast, the Hirvi building to the south, a former gas station to the west, and the former Union Oil Bulk Plant property to the northwest. According to the Klamath County Tax Assessor's website, the Site encompasses two parcels totaling approximately 0.55 acres. The Subject Property currently is developed with a single-story commercial building of concrete block and brick facade construction. A second building which was once occupied by the Chiloquin Mercantile that collapsed and was demolished with the exception of a vault. The associated rubble remains on-site. The building is currently vacant and in the care of Klamath County.

#### 3.2 Surrounding Area General Characteristics

The Subject Property is located in a mixed commercial and residential use area in downtown Chiloquin, Oregon. The surrounding areas to the north, east, west, and south are commercially developed. A surrounding land use map is included as **Figure 4**.

#### 3.3 Current Use of the Property

At the time this report was developed, the Subject Property was vacant.

Approximate Size of Property	0.55 acre
General Topography of Property	The majority of the Subject Site is relatively flat, sloping slightly west/southwest towards the Williamson River.
Adjoining and/or Ingress/Egress Roads	The ingress points for the Subject Property observed via North 1st Avenue and West Chocktoot Street
Paved Areas	There are no paved areas on the Subject Property.
Unimproved Areas	There are no unimproved areas on the Subject Property.
Landscaped Areas	There are landscaped areas on the north portions of the Subject Property.
Surface Water	None
Potable Water Source	City of Chiloquin
Sanitary Sewer Utility	Available
Electrical Utility	Available
Natural Gas Utility	Available
Current Occupancy Status	Vacant
Unoccupied Buildings/Spaces/Structures	Vacant
Building Name or General Building Description	Former Markwardt Brothers garage and auto sales; currently vacant. The remains of an adjacent collapsed/demolished building are located to the north
Number of Floors	One with partial mezzanine/loft
Approximate Total Square Footage of Structure(s)	Former Markwardt Bros. Garage: 8,500 sq. ft. Vault: 150 sq. ft.

## 3.4 Current Uses of Adjoining Properties

Direction from Property	Occupant(s) Name	Current Use	Potential REC(s)
South	Hirvi Building	Commercial	None
West	Former Texaco Gas Station	Commercial	HREC #1
Northwest	Vacant	Undeveloped/Vacant	None
North	Vacant	Commercial	None
Northeast	Undeveloped/Vacant	Undeveloped/Vacant	None
East	Vacant Multi-Commercial facility	Vacant Commercial	None
Southeast	Sky Lakes Wilderness Adventures	Commercial	None
Southeast	Klamath Tribal Courts & Child Support Enforcement Office	Municipal	None

### 4 User Provided Information

#### 4.1 Title Records

A complete title search was not requested by the User (Client, City of Chiloquin) as part of this assessment, nor did the User provide title record information. However, according to information accessed from the Klamath County Tax Assessor, the parcels which make up the Subject Property is currently owned by Klamath County. Ownership of the property was acquired as a tax foreclosure action. No information indicated the exact date of property acquisition; however, Mr. Rick Vaughn stated Klamath County has been associated with the property for two years.

#### 4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations (AULs). However, any liens and AULs associated with the property (if any) are anticipated to be addressed by the End User/Current Site Owner as part of the land/title transaction process.

#### 4.3 Specialized Knowledge

The User provided no specialized knowledge regarding recognized environmental conditions associated with the property, other indicating that the site was used as an auto repair garage at one period of time, and that there may have been underground storage tanks on-site at one time.

#### 4.4 Valuation Reduction for Environmental Issues

The User stated the building may have conducted fueling operations. However, no other information was provided regarding a significant valuation reduction for environmental issues associated with the property (Appendix B).

#### 4.5 Owner, Property Manager, and Occupant Information

The Subject Property is owned by Klamath County. A copy of the AAI interview questionnaire completed by Mr. Rick Vaughn, Tax Collector and Property Manager for Klamath County, is also included in **Appendix B**.

#### 4.6 Reason for Performing Phase I

This assessment was performed to satisfy the requirements of the Client and other interested parties with respect to potential environmental impairment associated with the property due to contamination by hazardous substances, controlled substances, or petroleum products on or near the site. The Subject Site was selected by the City of Chiloquin as a potential location for future residential or mixed-use development, or other public use.

### 5 Records Review

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the property. Some records reviewed pertain not only to the property, but also to properties within a minimum search distance in order to assess the likelihood of potentially migrating hazardous substances or petroleum products. Unless stated otherwise, the minimum search distances used below were as specified in *ASTM Standard* 1527-13.

#### 5.1 Standard Environmental Record Sources

The regulatory agency database radius report discussed in this section, provided by Environmental Database Resources, Inc. (EDR), was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient to determine RECs, CRECs, HRECs, or de minimis conditions without conducting supplemental agency file reviews.

Cardno also reviewed the unlocated (orphan) site listings within the database report, cross-referencing available address information and facility names. Unlocated sites are listings that could not be plotted with confidence, but are potentially in the general area of the property, based on the partial street address, city, or zip code. Any unlocated sites within the minimum search distance from the property that was identified by Cardno through site reconnaissance and/or cross-referencing to mapped listings are included in the discussion within this section. The complete regulatory agency database report is provided in **Appendix C.** The following is a summary of the findings of the database review:

Regulatory Database	Minimum Search Distance	Subject Property Listed?	No. of Sites Listed
Federal National Priority List (NPL)	1 mile	No	0
Federal Delisted NPL (DNPL)	½ mile	No	0
Superfund Enterprise Management Systems (SEMS) formerly the Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list	½ mile	No	0
Federal Resource Conservation and Recovery Act (RCRA), Corrective Action facilities (RCRAC)	1 mile	No	0
Federal RCRIS non-CORRACTS Treatment, Storage, and Disposal Facilities (RCRAT)	½ mile	No	0
Federal RCRA Generators (RCRAGR10)	1/4 mile	No	0
Federal Engineering Institutional Control Sites (EC)	Property	No	0
Federal Emergency Response Notification System (ERNSOR) list	Property	No	0
Facility Registry System (FRSOR)	Property	No	0
Enforcement and Compliance History Information (ECHOR10)	Property	No	0
RCRA NonGen/NLR (RCRANGR10)	1/4 mile	No	2

Regulatory Database	Minimum Search Distance	Subject Property Listed?	No. of Sites Listed
Hazardous Materials Incident Reporting System (HMIRSR10)	Property	No	0
PCB Activity Database System (PADS)	Property	No	0
Alternative Fueling Stations (ALTFUELS)	1/4 mile	No	0
State Landfill or Solid Waste Disposal Sites (LFSWDS)	½ mile	No	0
State Leaking Underground Storage Tanks (LST)	½ mile	No	3
Tribal Leaking Underground Storage Tanks (LUSTR10)	½ mile	No	0
Heating Oil Tank Incidents (HOT)	½ mile	No	0
State Registered Underground Storage Tanks (UST)	1/4 mile	No	3
State Registered Aboveground Storage Tanks (AST)	1/4 mile	No	2
Tribal Registered Underground/Aboveground Storage Tanks (USTR10)	1/4 mile	No	0
State Institutional Control/Engineering Control Registry (ICEC)	Property	No	0
State Voluntary Cleanup Sites (VCP)	½ mile	No	3
State Brownfield Sites (Brownfield)	½ mile	No	1
State Drycleaners (Cleaners)	½ mile	No	0
State Environmental Cleanup Site Information Database (ECSI)	½ mile	No	13
HazMat/Incidents (SPILLS)	Property	No	0
Permitted Air Dischargers (AIRS)	Property	No	0
Environmental Response Program Spills (RSPILLS)	Property	No	0

Thirty-six (36) database records were noted and located within a 1-mile radius of the target area by the database search. There are fewer sites than records as a particular site may appear on more than one environmental database. Several of the listed facilities may represent a REC/CREC/HREC environmental concern due to distance, anticipated direction of groundwater flow, and/or anticipated risk of contamination. Further details regarding the Subject Property and sites listed on the Environmental Database Resources database within 0.25 mile of the Subject Property are provided below.

#### Chiloquin Texaco (HREC #1)

Location: Northwest of the North 1st Avenue and West Chocktoot Street intersection Located approximately 45 feet west and topographically downgradient of the

**Subject Property** 

#### Summary:

The Chiloquin Texaco property is listed in the EDR radius report as an Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Facility Index System/Facility Registry System (FINDS), Brownfields, and EDR Historic auto repair (EDR HIST AUTO) database. Cardno reviewed Stantec's Independent Cleanup Pathway Final Report dated April 18, 2019 of the former service station. Oregon Department of Environmental Quality (ODEQ) records indicated that four USTs were removed from the property in July 1994, and three new registered gasoline USTs were installed in the UST tank excavation in August 1994. This facility utilized one 2,000-gallon; one 4,000-gallon; and one 6,000-gallon USTs. ODEQ records indicate that the 2,000-gallon UST was converted from storing "super" grade gasoline to storing diesel in 2003.

In July 1994, two 550-gallon gasoline USTs, one 1,000-gallon gasoline UST, and one 2,000-gallon gasoline UST were removed from the ground. Approximately 40 cubic yards of concrete and impacted soil were removed from the tank excavation. Two soil samples were collected at the bottom of the tank excavation area and detected gasoline-range hydrocarbons ranging from 28 to 860 milligrams per kilogram (mg/kg). Approximately 360 gallons of groundwater was pumped from the tank excavation into 55-gallon drums from July 13-25, 1994. Four groundwater samples were collected from the purged groundwater and submitted for benzene, toluene, ethylbenzene, and total xylenes (BTEX). The maximum BTEX constituent concentration detected was total xylenes at 15 milligrams per liter (mg/l). The property owner reported a release from the USTs to ODEQ in July 1994.

In 2017, Stantec oversaw the removal of one 6,000-gallon gasoline UST and a 6,000-gallon compound UST comprised of a 4,000-gallon gasoline UST compartment and a 2,000-gallon diesel UST compartment. Subsequently, Stantec installed six soil borings adjacent to the tank excavation area to approximately 15 feet below ground surface (ft bgs) and converted the borings to temporary groundwater monitoring wells. Soil samples were collected from the tank excavation area and from the installed soil borings. The highest TPH-Gx concentrations were detected in the southern and western excavation sidewalls ranging from 28.6 mg/kg to 4,200 mg/kg. Soil samples analyzed from soil borings detected TPH-Gx in three soil samples with concentrations ranging from 33.9 ma/ka to 2.780 ma/ka. In boring GP-1, located in the North 1st Avenue right-ofway upgradient from the UST excavation, TPH-Gx was detected at 33.9 mg/kg at 1 ft bgs. In 2018, groundwater samples were collected and TPH-Gx concentrations were below 1 mg/l with the exception of one sample where TPH-Gx was detected at 14 mg/l that was located downgradient (northwest) of the tank excavation area. Post-excavation confirmation sampling conducted in 2017, and soil sampling conducted in June 2018 indicate that the residual petroleum in soil are low.

On July 22, 2019, ODEQ granted a no further action (NFA) determination letter for the Chiloquin Texaco. Based on the issuance of an NFA, and the documented groundwater flow direction to the northwest, it is not likely that this facility has impacted the environmental integrity of the Subject Property.

#### Chiloquin Standard Oil Bulk Plant

Location: Chocktoot Street

Located approximately 315 feet southwest and topographically crossgradient of

the Subject Property

Summary:

The facility is listed in the following EDR database records: Environmental Cleanup Site Information System (ECSI), Voluntary Cleanup Program (VCP), Brownfields, and FINDS databases. According to the Environmental Database Resources database report, this site was reportedly occupied by a series of bulk plant operators from 1984 through 2005. ODEQ records show that four gasoline USTs and one diesel UST were removed from the site in 1991. In January 2006, 38 test pits were excavated to a depth of approximately 4 ft bgs to evaluate potential impacts to soil. Soil samples from each test pit were analyzed for gasoline, diesel, and heavy oil-range petroleum hydrocarbons, volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and total lead. Benzene was the only constituent found in soil at concentrations exceeding applicable risk screening levels.

In 1993, four groundwater monitoring wells were installed and in September 2008, three additional wells were installed. Groundwater sampling events occurred intermittently from 1993 to 2011. Groundwater analytical data indicated no constituents were detected in groundwater above applicable ODEQ human health risk screening criteria and impacts on ecological receptors are not significant. From these seven groundwater monitoring wells, potentiometric surface data indicate groundwater flow is towards the Williamson River to the northwest.

According to the EDR radius report, ODEQ records indicate that the proposed remedial action was conducted between August and October 2012. Based on confirmation sampling and since residual contamination does not exceed acceptable risk levels, ODEQ issued an NFA determination letter on January 28, 2013. Based on the NFA issuance and groundwater flow direction, it is not likely that this facility has impacted the environmental integrity of the Subject Property.

#### Modoc Motors

Location: 0 Chocktoot Street

Located approximately 425 feet northwest and topographically downgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an ECSI facility. According to the

Environmental Database Resources database report, ODEQ added this site to the ECSI database for tracking as a former auto repair facility in August 2010. However, no violations or releases have been reported for this facility. Based on the distance, lack of documented releases, and inferred groundwater flow direction, this facility does not appear to have impacted the Subject Property.

#### Chiloquin Cleaning & Pressing (REC #4)

Location: Southwest corner of West Chocktoot Street and South 2<sup>nd</sup> Avenue

Located approximately 115 feet southeast and topographically upgradient of the

Subject Property (See Figure 5)

Summary: The facility is listed in the EDR database as an ECSI and FINDs facility. According

to the Environmental Database Resources database report, ODEQ added this site to the ECSI database for tracking as a former dry-cleaning facility in

November 2001. No information indicated the duration of operation; however, the age of this facility pre-dates chlorinated solvents and likely handled Stoddard solvents. Based on the distance and inferred groundwater flow direction, this facility may have impacted the Subject Property.

#### Telephone Utilities of Eastern Oregon

Location: Southwest corner of South 2<sup>nd</sup> Avenue and East Yahooskin Street

Located approximately 120 feet northeast and topographically crossgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an UST facility. According to the

Environmental Database Resources database report, this facility utilized one UST of unknown size and contents that was reportedly decommissioned. Cardno reviewed ODEQ's list of registered tanks but information for this facility was not ascertainable. Based on the lack of reported releases and inferred groundwater flow direction, this facility it is not likely that this facility has impacted the

environmental integrity of the Subject Property.

#### Chiloquin Agency Lake Fire District

Location: 156 South 2<sup>nd</sup> Avenue

Located approximately 445 feet south and topographically crossgradient of the

**Subject Property** 

Summary: The facility is listed in the EDR database as an AST and Hazardous Substance

Information Survey (HSIS) facility. According to the Environmental Database Resources database report, this facility utilizes one AST cylinder of nitrogen of unknown size. However, there are reported releases or violations. Based on the lack of reported releases, it is not likely that this facility has impacted the

environmental integrity of the Subject Property.

#### Tony Reyes

Location: 123 South 3<sup>rd</sup> Street

Located approximately 450 feet south and topographically crossgradient of the

Subject Property

Summary: The facility is listed in the EDR database as a Resource Conservation and

Recovery Act — Non-Generator / No Longer Regulated (RCRA NonGen/NLR) facility. According to the Environmental Database Resources database report, this facility is no longer a RCRA generator and no other information is provided. Based on the lack of reported releases, it is not likely that this facility has impacted

the environmental integrity of the Subject Property.

#### Klamath County School District

Location: 131 South 3<sup>rd</sup> Street

Located approximately 615 feet southeast and topographically crossgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an AST and Hazardous Substance

Information Survey (HSIS) facility. According to the Environmental Database Resources database report, this facility utilizes one AST of propane of unknown size. However, there are reported releases or violations. Based on the lack of reported releases, it is not likely that this facility has impacted the environmental

integrity of the Subject Property.

#### Wampler Logging

Location: 212 North Klamath Avenue

Located approximately 620 feet northwest and topographically downgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an ECSI and FINDs facility. According

to the Environmental Database Resources database report, ODEQ added this site to the ECSI database for tracking as an active logging facility in November 2006. Additionally, Environmental Database Resources database reports this facility is no longer a RCRA generator and no other information is provided. Based on the lack of reported releases, this facility does not appear to have impacted the Subject Property. Based on the distance and inferred groundwater flow direction, it is not likely that this facility has impacted the environmental integrity

of the Subject Property.

#### Chocktoot Street Petroleum Releases

Location: 0 Chocktoot Street (East of bridge)

Located approximately 785 feet northwest and topographically downgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an ECSI facility. According to the

Environmental Database Resources database report, ODEQ discovered petroleum contamination while sampling for a street project in August 2010. However, based on distance and assumed groundwater flow direction, it is not likely that this facility has impacted the environmental integrity of the Subject

Property.

#### Clyde's Fairway Market

Location: 323 Chocktoot Street

Located approximately 1,170 feet northwest and topographically downgradient of

the Subject Property

Summary: The facility is listed in the EDR database as an ECSI facility. According to the

Environmental Database Resources database report, ODEQ added this site to the ECSI database for tracking as a former service station facility in March 2004. However, based on distance and groundwater flow direction, it is not likely that this facility has impacted the environmental integrity of the Subject Property.

Additional sites were identified between 0.25 and ½ mile in the Environmental Database Resources database records search. However, based upon distance, intervening topographic gradient, proximity to the river, and regulatory information provided, these facilities are not considered potential environmental concerns with respect to the Subject Site. Based on a review of the database and windshield survey of the are there are no off-site RECs associated with the property.

#### 5.2 Physical Setting Sources

An EDR Physical Setting Map report is included in **Appendix C.** According to this report, surficial soil at the Site is Lobert sandy loam. Additionally, the Site is underlain by Pliocene fluvial sedimentary deposits.

The Site is located on the Chiloquin, OR 2014 USGS 7.5-minute series topographic map. The topography at the Subject Property slopes gently to the west. Elevation at the Site is approximately 4,195 - 4,200 feet above mean sea level (MSL). Based on the mapped topography of the site, the

inferred primary direction of groundwater flow for the vicinity of the Subject Site is anticipated to be generally northwest towards the Williamson River. However, it is feasible that localized variations in ground water flow may exist, and a site-specific determination would be required to verify ground water flow direction.

#### 5.3 Historical Records Sources

#### 5.3.1 Aerial Photographs, Topographic Maps, and Sanborn Fire Insurance Maps

The objective of consulting historical sources is to determine the likelihood of past uses having led to recognized environmental conditions in connection with the Subject Site. A review was conducted of historical aerial photographs (**Appendix D**) and topographic maps (**Appendix E**) obtained from Environmental Database Resources.

Additionally, Sanborn Fire Insurance Maps (FIMs) have been produced since the late 1800s to provide information relative to fire hazards on insurable property. These maps often indicate locations of underground and aboveground gasoline tanks, storage facilities for flammable and hazardous chemicals, such as dry cleaners, paint shops, maintenance and garage facilities, as well as historical information on occupants of buildings, unavailable through other sources. Production of these maps typically was limited to the immediate vicinity of downtown urban areas. The detailed EDR Sanborn FIMs report is included in **Appendix F**. Findings of review of the historical Sanborn Fire Insurance Maps are chronologically summarized in the following table.

Findings of review of the historical aerial photos, topographic maps, and Sanborn FIMs are chronologically summarized in the following table:

	• ()	Identified H		
Period	Source(s)	Subject Property	Surrounding Area	Comments
1931	Sanborn FIM (Figure 5)	A large auto repair/garage building is depicted on the Subject Property. An area at the southwest corner within the auto repair building is labeled "Gas & Oil". A building addition is connected to the auto repair building to the north. Additionally, a building is depicted on the northern portion and labeled "Rooms" on the Subject Property.	A Printing facility is located to the east. A Cleaning facility is located to the southeast. The S.P.CO. Railroad is located west of the Subject Property. A Shell Oil Co. facility with one steel oil tank and oil warehouse is located to the west. An auto repair garage is located to the southwest.	The "Gas & Oil" (REC #1) and auto repair/garage (REC #2) at the on-site building are RECs. The Printing facility (REC #4) and the Cleaning facility (REC #5) are considered RECs based on the review of the Sanborn Map.
1953	Aerial Photograph	A commercial building appears on the Subject Property.	Commercial buildings are to the south and west. Residential buildings are in the surrounding area. A railroad and river appear to the west.	No additional RECs noted.

Period	Source(s)	Identified H		
		Subject Property	Surrounding Area	Comments
1955	Aerial Photograph	Blurry; similar to previous aerial photograph.	Blurry; similar to previous aerial photograph.	No additional RECs noted.
1957	Topographic Map	A building is depicted on the Subject Property	Several commercial buildings and residential dwellings appear in the surrounding area. A railroad and river appear to the west. A water tower is located to the east.	No additional RECs noted.
1975	Aerial Photograph	Similar to previous aerial photograph.	Several commercial buildings appear to have been removed to the southeast. A commercial building appears at the north adjoining property.	No additional RECs noted.
1982	Aerial Photograph	Similar to previous aerial photograph.	Additional commercial development appears to the south.	No additional RECs noted
1994	Aerial Photograph	Similar to previous aerial photograph.	Additional commercial development appears to the northeast and east. A <b>gas station</b> appears to the west.	The off-site gas station is a HREC (HREC #1)
1998	Topographic Map	Similar to previous aerial photograph.	More residential and commercial structures in the surrounding area. The Chiloquin Airfield is depicted to the west.	No additional RECs noted.
2000	Aerial Photograph	Similar to previous aerial photograph.	Additional commercial development appears to the west.	No additional RECs noted.
2006	Aerial Photograph	Similar to previous aerial photograph.	Additional commercial development appears in the surrounding area.	No additional RECs noted.
2009	Aerial Photograph	Similar to previous aerial photograph.	Land clearing is visible to the northeast and south.	No additional RECs noted.
2012	Aerial Photograph	Similar to previous aerial photograph.	Similar to previous aerial photograph.	No additional RECs noted.
2014	Aerial Photograph	Similar to previous topographic map. The onsite structure is depicted.	Similar to previous topographic map. No structures are depicted on the map.	No additional RECs noted.
2016	Aerial Photograph	Similar to previous aerial photograph.	Similar to previous aerial photograph.	No additional RECs noted.

Note: Text in **bold** are environmental concerns and are further discussed below.

**REC#1:** According to the 1931 Sanborn FIM (**Figure 5**), the building is an auto repair/garage and an area within the on-site building, at the southwest corner, is labeled "Gas & Oil". Therefore, there is

potential for a UST(s) to exist on the property and said tank may have impacted the soil, groundwater, and/or vapor at the Subject Property.

**REC #2:** The on-site building operated as an auto repair facility from the 1930s to the 1960s. This time-frame predates the regulations of storage/disposal of hazardous substances such as used oil and other non-regulated automobile chemicals. Therefore, there is potential for release of hazardous materials in the soil and groundwater at the Subject Property.

**REC #4:** According to the 1931 Sanborn FIM (**Figure 5**), a Printing facility is located approximately 80 feet to the east. The length of operation for this facility is unknown. There is potential for a release from this facility.

**REC #5:** According to the 1931 Sanborn FIM (**Figure 5**), a Cleaning facility is located approximately 120 feet to the southeast. The length of operation for this facility is unknown. There is a potential for a release from this facility.

HREC #1: According to Oregon Department of Environmental Quality (ODEQ) records, the former Chiloquin Texaco, located west and approximately 45 feet away, indicate that four USTs were installed pre-1989, predates UST registration, and were removed from the property in July 1994, and three new registered gasoline USTs were installed in the UST tank excavation in August 1994. Soil and groundwater samples were collected from within and adjacent to the tank excavation area. Analytical results indicated BTEX constituent concentrations were above applicable risk screening levels. However, post-excavation confirmation sampling conducted in 2017 and soil sampling conducted in June 2018 indicate that the residual petroleum in soil are low. On July 22, 2019, ODEQ granted an NFA determination letter for the Chiloquin Texaco. Based on the issuance of an NFA, this facility is considered a historical REC. See Section 5.1 for further details.

#### 5.3.2 City Directories

Historical City directories are generally referenced for study areas to help identify changes in land use based on the type of businesses that occupied the Subject Site and surrounding area. The type of business, such as automotive, dry cleaning, gasoline/service stations, etc. are indicative of the possible presence of hazardous substances or petroleum products. The detailed City Directories reports are included in **Appendix G**. No Historical City Directories were available for the Subject Property and surrounding area prior to 1992.

Period	City Directo		
	Subject Property	Surrounding Area	Comments
1992	No Listing	E. Yahooskin St.: Residential N. 1st Ave.: Residential	No RECs noted.
1995	No Listing	119 E. Yahooskin St.: Chiloquin Head Start 220 W. Chocktoot St.: Paul's Automotive Service 119 W. Chocktoot St.: Beas Antiques & Refinishing 323 W. Chocktoot St.: Clyde's Fairway Market	No RECs noted.
2000	No Listing	210 S. 1st Ave.: Chiloquin Alternative Education Center 216 S. 1st Ave.: Chiloquin Branch Library 219 N. 1st Ave.: Chiloquin Awareness Committee Hoops Activity Center	No RECs noted.
2005	No Listing	228 S. 1st Ave.: United States Postal Service	No RECs noted.

Period	City Directo		
	Subject Property	Surrounding Area	Comments
2010	No Listing	S. 1st Ave.: Chiloquin Community Correction 414 W. Chocktoot St.: Oregon Reflections	No RECs noted.
2014	No Listing	118 W. Chocktoot St.: Klamath Tribal Court 201 W. Chocktoot St.: Chiloquin Shell & Food Mart 323 W. Chocktoot St.: Clyde's Fairway Market 127 S. 1st Ave.: Chiloquin Agency Lake Fire District 228 S. 1st Ave.: United States Government 221 N. 1st Ave.: Klamath Water Commission 119 E. Yahooskin St.: Head Start Klamath Tribes	The Chiloquin Shell & Food Mart is a HREC ( <b>HREC #1</b> ).
2017	No Listing  119 E. Yahooskin St.: Klamath Tribes 221 N. 1st Ave.: Klamath Water Commission 323 W. Chocktoot St.: Fairway Market 127 S. 1st Ave.: Chiloquin Agency Lake Fire District 140 S. 1st Ave.: Community Correction Chiloquin Office		No additional RECs noted

Note: Text in **bold** are environmental concerns and are further discussed below.

HREC #1: According to Oregon Department of Environmental Quality (ODEQ) records, the former Chiloquin Texaco, located west and approximately 45 feet away, indicate that four USTs were installed pre-1989, predates UST registration, and were removed from the property in July 1994, and three new registered gasoline USTs were installed in the UST tank excavation in August 1994. Soil and groundwater samples were collected from within and adjacent to the tank excavation area. Analytical results indicated BTEX constituent concentrations were above applicable risk screening levels. However, post-excavation confirmation sampling conducted in 2017 and soil sampling conducted in June 2018 indicate that the residual petroleum in soil are low. On July 22, 2019, ODEQ granted an NFA determination letter for the Chiloquin Texaco. Based on the issuance of an NFA, this facility is considered a historical REC. See Section 5.1 for further details.

#### 5.3.3 Prior Reports

No prior environmental reports were provided for review.

### 6 Site Reconnaissance

The following is a summary of visual and/or physical observations of the property on the day of the site visit. As stated, the site is comprised one on-site building, building debris remnants of a former building, a vault, and vacant/undeveloped portion of the Subject Property. Representative photographs can be found in **Appendix A**.

#### 6.1 Methodology and Limiting Conditions

Mr. Keith Ziobron, P.E. and Mr. Ashton Smithwick with Cardno conducted the site reconnaissance on April 13 2021. The site reconnaissance consisted of visual and/or physical observations of the property and improvements; adjoining sites as viewed from the property; and, the surrounding area based on visual observations made during the trip to and from the property.

No other limiting conditions were identified during the site reconnaissance, and all exterior and interior areas were inspected.

#### 6.2 Hazardous Substance Use, Storage, and Disposal

Cardno did not observe any substance use, storage, or disposal at the Subject Property. However, between approximately 1930 to the 1960s, this facility was occupied by an auto repair garage and this time-frame predates regulations set forth by state regulations of the disposal of hazardous substances and other non-regulated chemicals. Therefore, improper storage and disposal practices may have occurred on the Subject Property (**REC #2**).

#### 6.3 Underground Storage Tanks (USTs)

Cardno did not observe any USTs. However, Cardno identified a vent pipe attached to the west exterior wall of the on-site building (**REC #1**). Cardno believes this to be a ventilation pipe for an UST(s) on the Subject Property (See Photo 9). According to the 1931 Sanborn FIM, there is an area within the southwest corner labeled "Gas & Oil" which could be an indication for an on-site UST(s). Further, Cardno observed a potential vent pipe along the interior of the east wall. This vent pipe is a potential indicator for an on-site buried UST or heating oil tank (**REC #3**).

#### 6.4 Aboveground Storage Tanks (ASTs)

Cardno did not observe any ASTs.

#### 6.5 Other Petroleum Products

Cardno did not observe any other petroleum products.

#### 6.6 Polychlorinated Biphenyls (PCBs)

Cardno observed the remains of three in-ground hydraulic lifts and one oil-changing pit within the onsite building (**REC #2**). No other information was provided regarding the lifts or oil-changing pit. Based on its potential to contain PCBs and/or other hydraulic fluids, it has potential to impact the soil, groundwater, and/or vapor at the Subject Property.

#### 6.7 Unidentified Substance Containers

Cardno did not observe any unidentified substance containers.

#### 6.8 Nonhazardous Solid Waste

Cardno observed a significant pile of wood chips within the on-site building. According to Mr. Charlie Case of the City of Chiloquin Public Works Department, the on-site building was utilized prior to 2000 for manufacturing wooden boxes and wood smoking chips for grills/barbeques. The leftover wooden chips are the remains of the Juniper wood products business.

Additionally, significant quantities of building debris are located along the north exterior wall from the previous building attachment. These materials have potential for asbestos-containing materials (ACM) and lead-based paint (LBP). Cardno estimates there is approximately 650 cubic yards of building debris that remains on the Subject Property. See Photos 2 for a general representation of site conditions.

#### 6.9 Wastewater

Cardno did not observe evidence of wastewater generation at the Subject Property.

#### 6.10 Waste Pits, Ponds and Lagoons

Cardno did not observe any pits, ponds, or lagoons on the Subject Property.

#### 6.11 Drains and Sumps

Cardno did not observe any drains or sumps on the Subject Property.

#### 6.12 Septic Systems

Cardno did not observe evidence of septic tank usage on the Subject Property.

#### 6.13 Storm Water Management System

Cardno observed a stormwater drain near the southeast corner of the on-site building on West Chocktoot Street.

#### 6.14 Wells

Cardno did not observe any monitoring or active drinking wells on the Subject Property.

# 7 Subsurface Vapor Migration

Hazardous gases (vapor) from subsurface sources, such as contaminated soil or groundwater can migrate into residential, commercial, and industrial buildings with any foundation type, including basements, crawlspaces, or slabs. According to EPA guidance, three conditions must exist for hazardous vapors to reach the interior of buildings from the subsurface environment underneath or near a building. First, a source of hazardous vapors must be present in the soil or in groundwater underneath or near a building. Second, vapors must form and have a pathway along which to migrate toward the building. Third, entry routes must exist for the vapors to enter the building, and driving forces must exist to draw the vapors into the building.

Cardno considered the nature and extent of on-site sources of potential subsurface vapor migration by evaluating the current and historical usage of the property, the construction type and history, the physical setting, and the potential sources of subsurface vapor migration through the review of regulatory agency database information that was summarized in Section 5.0.

Based on the evaluation of the known or suspected releases of hazardous substances or petroleum products, their distance from the property, all potential pathways separated by roads with underground utilities, and soil type, et al, are not determined to impact the Subject Property with the exception of the following:

- REC#1 Former on-site automobile fueling;
- REC #2 On-site auto repair garage operations;
- REC #3 Potential on-site UST or heating oil tank
- REC #4 Off-site printing; and
- REC #5 Off-site dry-cleaning

### 8 Interviews

Cardno obtained completed interview questionnaire from the following persons:

- Rick Vaughn Tax Collector and Property Manager for Klamath County
- Teresa R. Foreman City Recorder for the City of Chiloquin
- Charlie Case City of Chiloquin Public Works
- Fire Chief Michael Cook Chiloquin Fire & Rescue

The completed All Appropriate Inquiry questionnaires, completed by Mr. Rick Vaughn and Ms. Teresa R. Foreman, are provided in **Appendix B.** 

Ms. Teresa Foreman stated there is no purchase price for the property and is owned by Klamath County through tax foreclosure. Ms. Foreman indicated the on-site building was formerly utilized as a car dealership and garage. She also stated she assumes fuel and oil were stored and used as part of the business.

Mr. Rick Vaughn has been associated with the Subject Property for approximately two years. Mr. Vaughn states the property is approximately 0.51-acres and he believes the on-site building is approximately 12,316 sq. ft. He is not aware of the past uses of the property and that Klamath County obtained the property through tax foreclosure.

Mr. Charlie Case indicated the former Markwardt Brothers Garage was in operation from approximately the 1930s to the 1960s; a second-hand store in the 1970s; and Juniper wood products in the 1980s. Mr. Case stated the remains of the wood chips within the on-site building are from the Juniper wood products company that manufactured wooden boxes and wood chips for grills/barbeques. Mr. Case stated the southwest corner of the on-site building was utilized as a fueling stations between the 1930s to the 1950s. He also mentioned the roof of the former building attachment north of the on-site building had completely collapsed and the remainder of the building was demolished around 2015.

Cardno contacted Fire Chief Michael Cook of the Chiloquin Fire & Rescue Department in regards to any fires, spills, and/or incidents. Chief Cook stated there are no records on file for the Subject Property.

# 9 Additional Scope Items

During the course of this investigation, Cardno completed a comprehensive asbestos inspection on the former Markwardt Brothers Garage as depicted in **Figures 2-3**. A copy of this report will be provided under a separate cover and is included as **Appendix H**.

No other collection or investigation for the purpose of determining the possible presence of radon, mold, and/or any other potential contaminants requiring specialized testing procedures or sampling were conducted during this investigation. No assessment was conducted for the possible presence or absence of wetlands and no determination is offered with regard to the suitability of the subject site for development or for any other specific use or purpose.

Notwithstanding these limitations, the applicability of certain environmental issues which are not covered by ASTM standards are still germane to a wide array of properties. The following is a summary of non-scope issues identified at the property on the day of the site visit.

#### 9.1 Asbestos Containing Materials

The inspection was performed on April 13, 2021 by Mr. Ashton Smithwick, an EPA accredited asbestos inspector, in accordance with the Asbestos Hazardous Emergency Response Act (AHERA) and Asbestos School Hazard Abatement Reauthorization Act (ASHARA).

In accordance with National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 61 Subpart M, paragraph 145, all asbestos containing materials (ACMs) must be identified and removed prior to disturbance, either during a renovation or demolition. ACM is defined by OSHA as materials that contain greater than 1% asbestos fibers.

The asbestos inspection included a visual inspection of all accessible interior and exterior areas of the on-site buildings. This inspection was performed in accordance with AHERA and ASHARA protocols. Cardno made a reasonable attempt to visually identify all suspect materials or homogeneous areas (HAs). The interior and exterior of the buildings were identified, with the exception of the building roof due to the overall unsafe condition. Each HA was visually assessed for condition, friability, and quantity.

During the inspection, Cardno collected twenty-three (23) samples from eight (8) different HAs throughout interior/exterior of the on-site facility. All bulk samples were collected and stored in appropriate sample containers, labeled, and delivered to Eurofins EMLab P&K (EMLab) in Norcross, Georgia. AES analyzed the samples using Polarized Light Microscopy (PLM) via EPA Method 600/R-93/116. This laboratory is accredited by the National Institute of Standards of Technology (NIST), and is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP).

#### 9.1.1 Asbestos Results

The following materials were identified as containing greater than 1% ACM:

- Interior white skim coat on plaster surfacing, totaling approximately 3,600 square feet (SF), located within the western most portions of the on-site building.
- Interior white texture and joint compound on drywall, totaling approximately 1000 SF, located within the western most portions of the on-site building.

 Interior white caulk, totaling approximately 50 linear feet (LF), located on interior west wall windows.

The following materials were not sampled and should be considered PACM:

Exterior building debris from former attached north addition, totaling approximately 650 CY.

The north building addition was constructed around the same time as the main building, and the building debris appeared to have suspect materials. Therefore, the building debris should be considered asbestos containing until sampling by a licensed asbestos inspector indicates otherwise.

A more detailed summary of the inspection, identified ACM, and diagrams of samples and ACM locations will be provided under separate cover and is included as **Appendix H**. Photos of the identified ACM are included as **Appendix A**.

#### 9.2 Lead-Based Paint

A limited lead-based paint (LBP) inspection was conducted on April 13, 2021 by Cardno's Mr. Ashton Smithwick. All testing was completed in accordance with applicable HUD, state, and federal regulations regarding LBP inspections. No previous LBP sampling information was provided by the client or the property owner.

The LBP testing was performed in general accordance with the inspection protocol in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Painted surfaces were tested by collected paint chips of various painted surfaces throughout the interior and exterior of the buildings. LBP is defined by EPA as containing greater than 0.5% lead in painted materials.

During the inspection, Cardno collected 12 paint chips samples from unique locations throughout the interior/exterior of the on-site buildings.

The paint chip samples were collected into appropriate containers, labeled, and delivered to EMLab in Norcross, Georgia. The laboratory analyzed the samples using flame atomic absorption spectrometry (FAAS) via National Institute for Occupational Safety and Health (NIOSH) Method 7082. This laboratory is accredited by the NIST program, and is recognized under the NVLAP. A copy of the analytical results included the laboratory certification will be provided under a separate cover.

#### 9.2.1 Lead-based Paint Results

In accordance with EPA, any paint containing 0.5% by weight of lead is categorized as containing lead. Based on the paint chip sampling results, the following painted surface tested positive for lead-based paint:

- Red paint on exterior concrete masonry unit (CMU), totaling approximately 3,600 SF, located on the exterior east, south, and west walls.
- Tan/gray paint on interior ceiling, totaling approximately 1,200 SF, located on wood board ceiling on the southwest corner of the building.

A more detailed summary of the inspection, identified LBP, and diagrams of sample LBP locations will be provided under a separate cover and included as **Appendix H**. Photos of the identified LPB is included as **Appendix A**.

#### 9.3 Additional Non-ASTM Considerations

No other collection or any investigation for the purpose of determining the possible presence of radon, mold, and/or any other potential contaminants requiring specialized testing procedures or sampling were conducted during this investigation. No assessment was conducted for the possible presence or absence of wetlands and no determination is offered with regard to the suitability of the subject site for development or for any other specific use or purpose.

# 10 Findings and Recommendations

Cardno has completed a Phase I Environmental Site Assessment (ESA) of the former Markwardt Brothers Garage property located northeast of the North 1<sup>st</sup> Avenue and West Chocktoot intersection in downtown Chiloquin, Klamath County, Oregon (**Figure 1**). The property boundary is shown on **Figure 2** and the tax parcel map is provided in **Figure 3**.

Photos of the Subject Property and surrounding properties taken during the site visit are provided in **Appendix A.** The surrounding land use map is provided as **Figure 4**. This assessment was performed under and funded by the City of Chiloquin Business of Oregon Brownfield Grant in general accordance with 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries and ASTM Standard Practices E1527-13 for Environmental Site Assessments.

This assessment was performed to satisfy the requirements of City of Chiloquin (Client) with respect to potential environmental impairment and liabilities associated with the property due to contamination by hazardous substances, controlled substances, or petroleum products on or near the site.

#### 10.1 Findings

Phase I ESA investigations seek to identify known or suspect RECs, HRECs, CRECs, and de minimis conditions. De minimis conditions are those that are judged to not present a material risk of harm to health or the environment.

This assessment has identified several RECs in connection with the Subject Property, as shown in **Figure 5**, consisting of the following:

#### **On-Site REC**

- 1. According to the 1931 Sanborn FIM, the building was used as an auto repair garage and an area with-in the on-site building, at the southwest corner, is labeled "Gas & Oil". Further, during site reconnaissance, Cardno personnel identified a potential UST vent pipe attached to the west interior wall of the on-site building. Therefore, there is potential for a UST(s) to exist on the property and said tank may have impacted the soil, groundwater, and/or vapor at the Subject Property.
- 2. The remains of three in-ground hydraulic lifts and one oil-changing pit were observed in the building. According to the 1931 Sanborn Fire Insurance Map (FIM), the on-site building is labeled as being an auto repair/garage facility. Additionally, based on the age of the building, this time-frame predates the regulation of the storage/disposal of hazardous substances such as used oil and other non-regulated automobile chemicals. Based on the age and duration of use, the in-ground lifts and unknown chemical management and disposal practices associated with historic operations, site soil, groundwater, and/or vapor may have been impacted by historic site operations.
- 3. During site reconnaissance, Cardno identified a potential vent pipe in the interior of the building along the eastern wall. This could be an indication for a UST and/or heating oil tank to exist on the Subject Property. Based on the age and duration of the former use of the building, there is potential for a UST/heating oil tank on the property that may have impacted the soil, groundwater, and/or vapor at the Subject Property.

#### **Off-Site RECs**

4. According to the 1931 Sanborn FIM, a Printing facility is located approximately 80 feet to the east. The length of operation for this facility is unknown. There is potential for a release from this facility.

5. According to the 1931 Sanborn FIM, a Cleaning facility is located approximately 120 feet to the southeast. The length of operation for this facility is unknown. There is a potential for a release from this facility.

#### **Off-site HRECs**

1. According to Oregon Department of Environmental Quality (ODEQ) records, the former Chiloquin Texaco, located west and approximately 45 feet away, indicate that four USTs were installed pre-1989 which predates UST registration. These tanks were removed from the property in July 1994, and three new registered gasoline USTs were installed in the UST tank excavation in August 1994. The new tanks were subsequently removed in 2017. Post-excavation confirmation sampling conducted in 2017 and soil sampling conducted in June 2018 indicate that the residual petroleum in soil are low. On July 22, 2019, ODEQ granted an NFA determination letter for the Chiloquin Texaco site. Based on the issuance of an NFA, and given the assumed ground waterflow direction away from the subject site, this facility is considered a historical REC.

#### **Asbestos-Containing Materials**

Asbestos containing materials (ACMs) were identified throughout the interior of the building including:

- Interior white skim coat on plaster surfacing, totaling approximately 3,600 square feet (SF), located within the western most portions of the on-site building.
- Interior white texture and joint compound on drywall, totaling approximately 1000 SF, located within the western most portions of the on-site building.
- Interior white caulk, totaling approximately 50 linear feet (LF), located on interior west wall windows.

Overall, given the state of the buildings, most of these materials were in good to fair condition. Therefore, the identified ACM has a low probability of disturbance during ordinary use. Prior to any renovation or demolition that may cause the ACM to become friable, the material should be removed or abated by a qualified asbestos abatement contractor. A more detailed summary of the inspection, identified ACM, and diagram of samples and ACM location will be provided under a separate cover and included as **Appendix H**.

The following suspect building materials were not sampled and should be considered presumed asbestos containing materials (PACM):

• Exterior building debris from former attached north addition, totaling approximately 650 cubic yards (CY).

The building to the north was constructed around the same time as the remaining building, and the building debris appeared to have suspect materials. Therefore, the building debris/rubble should be considered asbestos containing until sampling by a licensed asbestos inspector indicates otherwise.

#### **Lead-Based Paint**

Lead-based paint (LBP) was identified on various painted surfaces throughout the interior and exterior of the building in various tenant spaces including:

• Red paint on exterior concrete masonry unit (CMU), totaling approximately 3,600 SF, located on the exterior east, south, and west walls.

 Tan/gray paint on interior ceiling, totaling approximately 1,200 SF, located on wood board ceiling on the southwest corner of the building.

Most of the identified painted surfaces were in poor condition, with peeling and deterioration noted. As the buildings are not considered to be child-occupied facilities, the identified LBP can be left intact unless disturbed during renovation or demolition. A more detailed summary of the inspection, identified LBP, and diagram of samples and LBP locations will be provided under a separate cover and included as **Appendix H**.

#### 10.2 Recommendations

Cardno makes the following recommendations:

- A geophysical survey should be performed in the vicinity of the vent pipes in order to determine
  if USTs are present. If they are found to be present, soil and ground war sampling should be
  performed adjacent to the tanks.
- Soil boings or test pits should install and soil samples collected and analyzed to evaluate impacts from the identified on and off-site RECs.
- A limited ground water monitoring network should be installed and sampled to evaluate potential ground water impacts and the potential for vapor intrusion.
- The exterior building debris/rubble should be considered PACM and treated as ACM until further sampling by a licensed asbestos inspector indicates otherwise. In addition to ACM testing, the debris should be characterized relate to the potential presence of toxic levels of lead. Finally, After the debris is removed, the need for additional site characterization should be considered.
- Prior to any renovation or demolition that may cause the ACM to become friable, the material should be removed or abated by a qualified asbestos abatement contractor. If the ACM is to be left in place, an Operation and Maintenance (O&M) plan should be implemented regarding the handling of the identified ACM.
- The identified lead-based paint appeared to be overall in fair to poor condition. The on-site building is not considered a child-occupied facility, the identified LBP can be left intact unless disturbed during renovation or demolition. If the LBP is to be disturbed during renovation or demolition, depending on the extent of the disturbance, the LBP can be encapsulated, enclosed, or abated. All activity that disturbs LBP should be conducted by a licensed LBP renovation, repair, or paint (RRP) firm or a qualified LBP abatement contractor.

If the property is to be renovated or demolished, due to the presence of lead on various painted surfaces, toxicity characteristic leachate procedure (TCLP) analysis for lead should be conducted on any construction debris to determine if the material should be characterized as a hazardous waste prior to disposal.

# 11 References

- EDR. Radius Report, Order Number 6438323.2s
- EDR. Aerial Photo Decade Package, Order Number 6438323.8
- EDR. City Directories, Order Number 6438323.5
- EDR. Historical Topographic Maps, Order Number 6438323.4
- EDR. Sanborn Fire Insurance Maps, Order Number 6438323.3

### Qualifications/Signatures of Environmental 12 Professional(s)

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.10. I certify that this report has been prepared in general accordance with 40 CFR Part 312 and ASTM E 1527-13 Standard Practice for Environmental Site Assessments.

I further certify that, in my professional judgment, this report meets the requirements of 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries. I have the specific qualifications based on training, experience and registration to perform and/or assist in the assessment of a property of the nature, history and setting of the Subject Property.

for Cardno

Keith Ziobron, P.E. Branch Manager

Date: May 17, 2020

I declare this "Phase I Environmental Site Assessment" Report meets or exceeds Cardno's standards for editorial content, technical accuracy, and quality assurance verification. All data and calculations presented herein have been checked for accuracy and the basis for all conclusions and recommendations have been described.

for Cardno

W. Ashton Smithwick

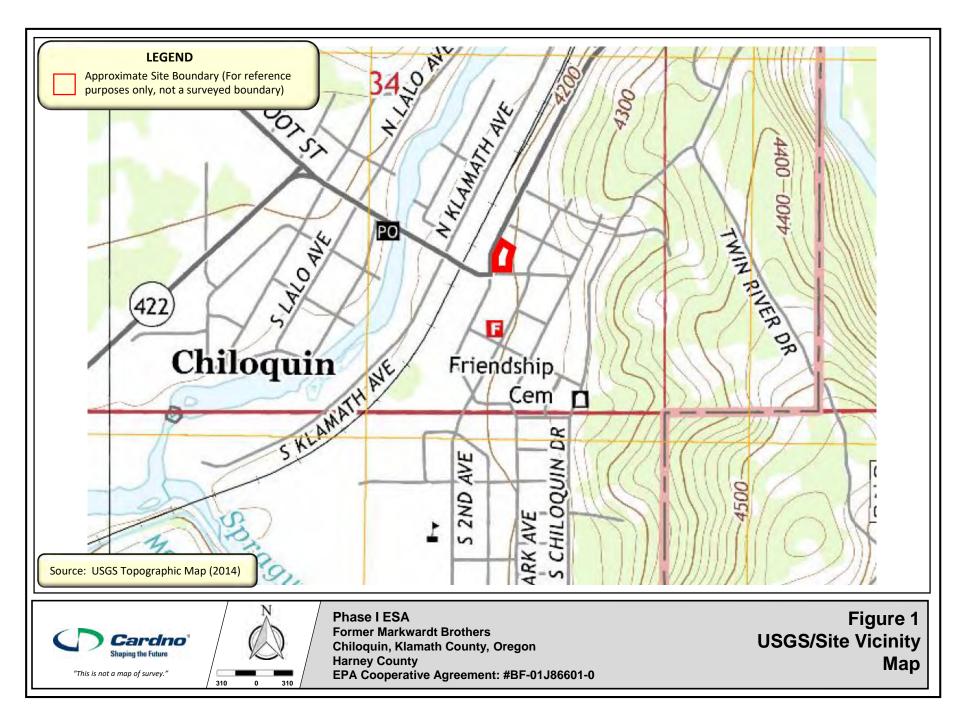
Geologist I

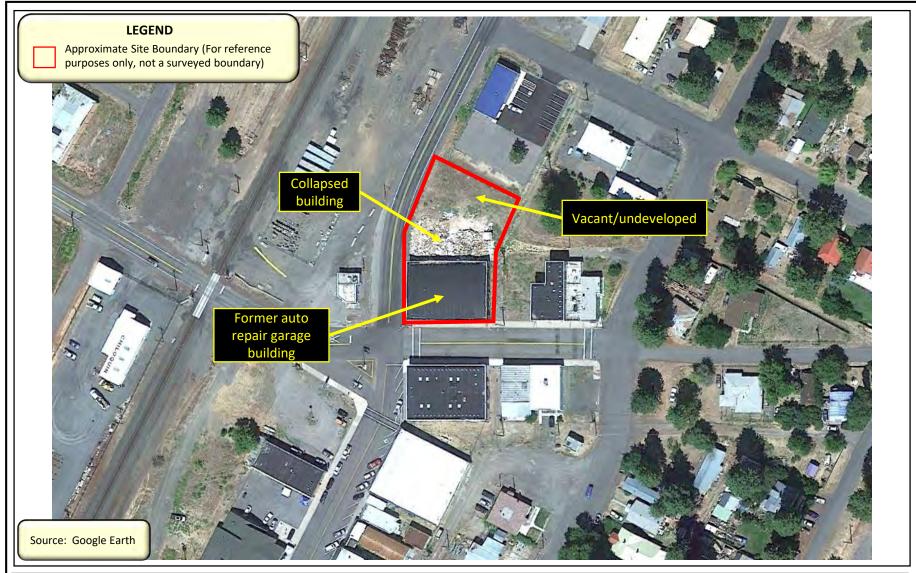
Date: May 17, 2021

33 Cardno

## **Figures**







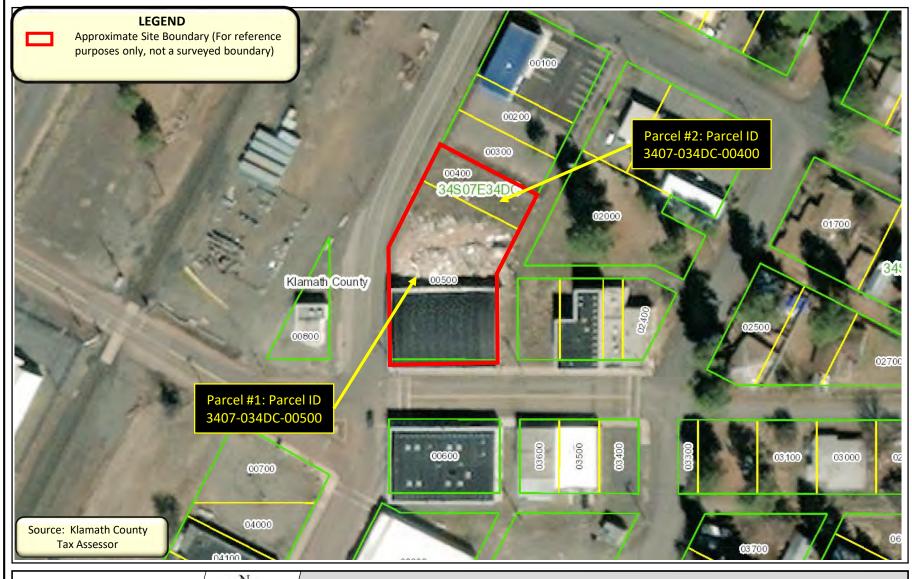


"This is not a map of survey."



Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Cardno Project # CHILOQ100

Figure 2 Site Boundary Map

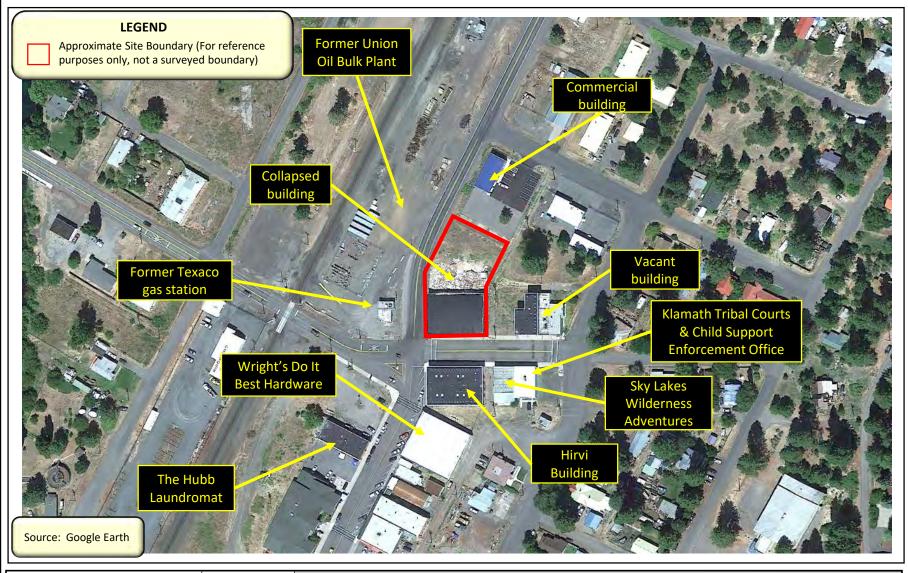




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Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Harney County
EPA Cooperative Agreement: #BF-01J86601-0

Figure 3 Tax Map



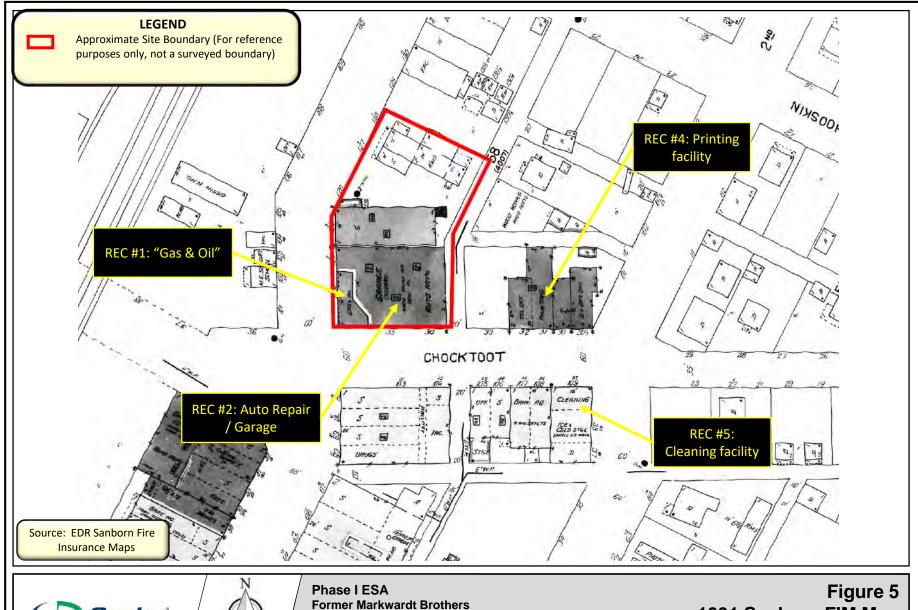


"This is not a map of survey."



Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Harney County
EPA Cooperative Agreement: #BF-01J86601-0

Figure 4
Surrounding Land
Use Map

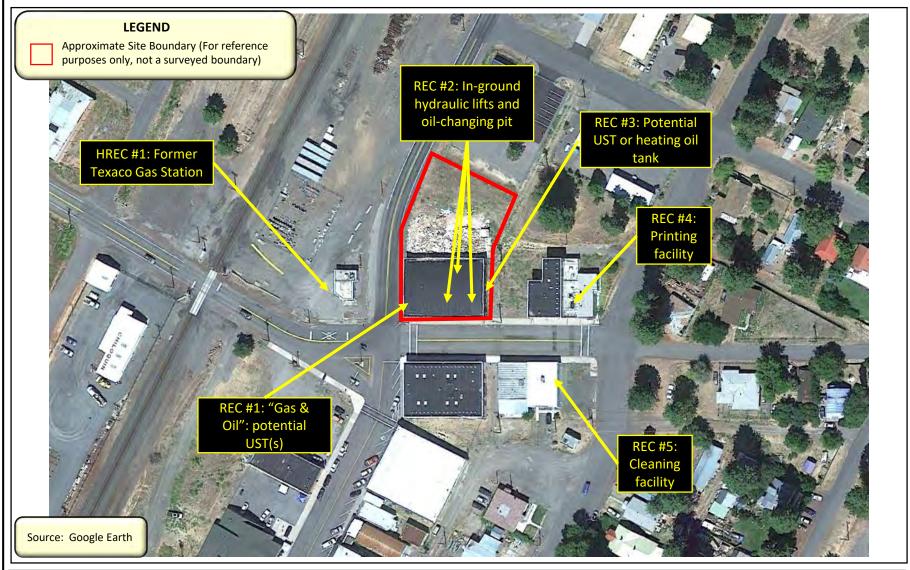




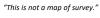


Chiloquin, Klamath County, Oregon **Harney County EPA Cooperative Agreement: #BF-01J86601-0** 

1931 Sanborn FIM Map









Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Cardno Project # CHILOQ100

Figure 6 REC Location Map

# Appendix A Photographic Log





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

East

### **Description:**

A view of the on-site building located at the Subject Property from North 1st Avenue.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

### Description:

View of the on-site building and demolished building attachment on the Subject Property from North 1<sup>st</sup> Avenue. The building debris is considered PACM.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

North

### Description:

View of the southwest corner of the on-site building from West Chocktoot Street.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Northeast

### Description:

View of the southeast corner of the on-site building from West Chocktoot Street.





### Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southwest

### Description:

View of a pile of wood chips and an in-ground hydraulic lift (1).



Photo No.

Date: 4/13/2021

Direction Photo Taken:

East

### **Description:**

A view of an in-ground hydraulic lift (2). Additionally, a vent pipe (left of door) is indicative of a potential UST or heating oil tank.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

East

### Description:

View of an oil-changing pit (1) and an in-ground hydraulic lift (3).



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Northwest

### Description:

View of potential underground storage tank (UST) vent pipe along the interior of the west wall.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Northeast

### Description:

A view of a commercial building at the north adjoining property.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

East

### Description:

View of an abandoned building at the east adjoining property.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

### Description:

A view of Sky Lakes Wilderness Adventures (right) and Klamath Tribal Courts & Child Support Enforcement Office (left) at the southeast adjacent property.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southwest

### Description:

View of the Hirvi Building at the south adjacent property.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

West

### Description:

View of the former Shell gas station at the west adjacent property.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southwest

### Description:

Confirmed ACM: White skim coat on plaster surfacing located in Room 2.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

### Description:

Confirmed ACM: White texture and joint compound on drywall located in Room 2.



Photo No.

Date: 4/13/2021

### Direction Photo Taken:

Southwest

### Description:

Confirmed ACM: Interior white caulk located in Room 2.





Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

### Description:

Confirmed ACM: Exterior red paint on plaster surfacing.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

N/A

### Description:

Confirmed LBP: Interior tan/gray paint on wood ceiling located in Room 2.



# Appendix B Interview Questionnaires





### All Appropriate Inquiry - User Questionnaire

The new All Appropriate Inquiry rule (40 CFR Part 312) requires that certain inquiries be made to the user (prospective purchaser) to help evaluate the environmental conditions of the property. In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user/prospective purchaser must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

- (1) Environmental cleanup liens that are filed against the site (40 CFR 312.25) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? No
- (2) Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? No

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line business as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business. No

(4) Relationship	of the	purchase	price	to	the	fair	market	value	of the	property	(40
CFR 312.29)											

Does the purchase price being paid for this property reasonably reflect the fair market
value of the property? Y N If you conclude that there is a difference, have you
considered whether the lower purchase price is because contamination is known or
believed to be present at the property? \( \subseteq Y \subseteq N \subseteq N/A \) Explain: There is no purchase
price. The property is owned, through tax foreclosure, by Klamath County. The City of
Chiloquin hopes to acquire the building to renovate, or remove, to help clean up the City.
This would be done by a government to government agreement.

### (5) Commonly known or reasonable ascertainable information about the property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional identify conditions indicative of releases or threatened releases? For example, as the user,

- a) Do you know the past uses of the property? Yes, This was a car dealership and garage.
- b) Do you know of specific chemicals that are present or once were present at the property or adjacent properties? No, this is being investigated.
- c) Do you know of spills or other chemical releases that have taken place at the property or adjacent properties? None that I know. This is an old building site.
- d) Do you know of any environmental cleanups that have taken place at the property or adjacent properties? No. I can find no record of a clean up in that area.

## (6) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

As the user of this Phase I Environmental Site Assessment report, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? Yes. Only that it was a car dealership and garage. I assume there was fuel and oil stored and used as part of that business.

I have completed this questionnaire in good faith and to the best of my knowledge.

Teresa R Foreman

City Recorder For the City of Chiloquin

Relationship to the property: Representing the City in the Clean up and possible future City ownership of the property.



### All Appropriate Inquiry - Interview Questionnaire

The new All Appropriate Inquiry rule (40 CFR Part 312) requires that certain inquiries be made to past and present owners, operators and occupants (§312.23) to help evaluate the environmental conditions of the property. This questionnaire has been developed to facilitate the interview process and is intended to be completed prior to the environmental professional's site visit. Please answer all questions to the best of your ability.

Si	e/Project Name: Train Min Myseum Bldg. (Margund & B
A	dress: Corner of 1st & Chocktet Chiloguin OR
	rson completing interview: Rich Vaugh, Klamah Consty Trop har
	Current Owner Current Occupant Adjacent Property Owner/Occupant Past Owner Past Occupant
1.	What is the current use(s) of the property? List all on-site businesses and contact information for each owner or operator.
2.	List the known uses/occupants of all adjacent properties.
3.	Do you know the past uses of the property?   N List: (i.e. – undeveloped prior to 1940, agricultural 1940 to 1968, shopping center 1968 to present).  Obtained Via Tox foreclosure.
1.	What have adjacent properties been used for in the past?

6.	When was each structure built? What was there before construction?
	hnlenown
7.	What is the heating source of each building?
8.	Was the fuel source for the building(s) ever heating oil? □Y □ N □ Wnk
9.	What is the water source for the property? □Public Supply □ Well □ which water source for the property? □Public Supply □ Well □ which water source for the property? □Public Supply □ Well □ which water source for the property?
10.	What is the sanitary service for the property? □Public Sanitary Sewer □ Septic System □ What is the sanitary service for the property? □Public Sanitary Sewer □ Septic
11.	Has there ever been a septic system on the property? $\Box Y \Box N $
12.	Are any wells present on-site? □Y □ N ➤ Unk
13.	Are floor drains present on-site? $\square Y \square N \nearrow \mathbb{U}$ nk
14.	Where do the drains discharge? □ N/A Unk how
15.	Are any sumps, sand traps, grease traps or oil-water separators present now or historically on-site? $\Box Y \Box N$
16.	Are there transformers, hydraulic lifts or other potentially PCB-containing equipment at the site? $\Box Y$ $\Box Unk$
17.	If so, has the PCB content been tested? $\Box Y \nearrow \Box Unk$
18.	Have areas of the property been used as borrow pits? $\square Y \square N$ Explain:
19,	Have area of the property been filled with debris or fill of unknown origin? □Y ☒N Explain:
20.	Is there now or has there been automobile/equipment repair, a parts washer or

	disposed at the property?   N Explain/List:  Line -
22.	Are there now or have there been underground storage tanks (USTs) present on the property? \( \text{TY} \text{N} \text{ Explain/List:} \( \text{Not} \text{ to } \text{ To } \text{ Linux leading} \)
23.	How many USTs are/were present? (Please provide the contents, age, location, size for each)
24.	Are the USTs in service, closed-in-place or removed? Please provide applicable closure/removal reports or current tightness testing results) □ In Service □ Remove □ Closed-in-Place □ N/A
25.	Are there now or have there been aboveground storage tanks (ASTs) present on the property?
26.	How many ASTs are/were present? (Please provide the contents, age, location, size for each)
27.	Are the ASTs in service, or removed? Please provide applicable closure/removal reports or current tightness testing results)   In Service   Removed
28.	Were chemicals such as solvents, petroleum products, inks, paints, oils, pesticides or oils used in the past? $\Box Y \Box N$ Explain:

30.	Were hazardous substances or petroleum products stored, generated, treated or disposed at the property?   Explain/List:
31.	Do you know of spills or other chemical releases that have taken place at the property or adjacent properties?   Explain:
32.	Do you know of any environmental cleanups that have taken place at the property or adjacent properties?   Explain:
33.	Has the property been the recipient of any notices or other correspondence from an government agency relating to past or present violations of environmental laws, rule or codes?   Explain:
34.	Do you know of any obvious indicators that point to the presence or likely presence of contamination at the property or adjacent properties?    N Explain:
35.	Are you aware of any environmental cleanup liens or pending enforcement actions against the property that are filed or recorded under federal, tribal, state or local law?
36.	Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the sit and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Signature: January Date: 4/12/27
Name: Rick VAughr
Title: Tax Collector / Prop. Mgr.
Company: Klamath County
Relationship to the property: Our
Number of years associated with the property: Approp. 27082

I have completed this questionnaire in good faith and to the best of my knowledge.

# Appendix C EDR Radius Map Report



### **Former Markwardt Brothers Garage**

Chocktoot Street Chiloquin, OR 97624

Inquiry Number: 6438323.2s

April 06, 2021

## The EDR Radius Map™ Report with GeoCheck®



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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

### **ADDRESS**

CHOCKTOOT STREET CHILOQUIN, OR 97624

### **COORDINATES**

Latitude (North): 42.5767070 - 42° 34' 36.14" Longitude (West): 121.8626320 - 121° 51' 45.47"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 593341.9 UTM Y (Meters): 4714223.0

Elevation: 4196 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6071694 CHILOQUIN, OR

Version Date: 2014

West Map: 6072131 AGENCY LAKE, OR

Version Date: 2014

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140724 Source: USDA

### MAPPED SITES SUMMARY

Target Property Address: CHOCKTOOT STREET CHILOQUIN, OR 97624

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CHILOQUIN TEXACO	1ST & CHOCKTOOT	RGA LUST		TP
A2	MODOC MOTORS	CHOCKTOOT ST	ECSI		TP
A3	CHILOQUIN TEXACO (FO	103 E. CHOCKTOOT	UST		TP
A4	CHILOQUIN CLEANING &	CHOCKTOOT ST. & 2ND	ECSI		TP
A5	CHILOQUIN CLEANING &	CHOCKTOOT ST & 2ND A	FINDS		TP
A6	CHILOQUIN TEXACO	103 E. CHOCKTOOT	FINDS		TP
A7	CHILOQUIN STANDARD O	CHOCKTOOT ST	ECSI, VCP, BROWNFIELDS, FINDS		TP
A8	FORMER CHILOQUIN TEX	W. CHOCKTOOT STREET	FINDS		TP
A9	FORMER CHILOQUIN TEX	W. CHOCKTOOT STREET	US BROWNFIELDS		TP
A10	CHILOQUIN TEXACO	1ST & CHOCKTOOT	LUST		TP
A11	SMITH DANIEL L	FIRST & CHOCKTOOT	EDR Hist Auto	Lower	14, 0.003, WSW
A12	UNION OIL BULK PLANT	1ST AVE & MAPLE ST (	ECSI, VCP, FINDS	Lower	114, 0.022, NNW
B13	MAY-SLADE OIL CO/BUL	123 W CHOCKTOOT ST	LUST, OR HAZMAT	Lower	263, 0.050, WNW
14	TELEPHONE UTILITIES	2ND & YAHOOSKIN	UST	Higher	325, 0.062, NE
B15	UPRR BULK PLANT - CH	123 CHOCKTOOT ST.	ECSI, VCP	Lower	331, 0.063, WNW
C16	MAY-SLADE OIL CO	220 W CHOCKFOOT	UST	Higher	382, 0.072, East
C17	AUTO REPAIR - CHILOQ	220 E CHOCKTOOT ST	ECSI	Higher	392, 0.074, East
18	CHILOQUIN AGENCY LAK	156 S 2ND AVE	AST, HSIS	Higher	397, 0.075, SSW
19	UPRR - CHILOQUIN	211 N 1ST AVE # 221	LUST	Higher	400, 0.076, NNE
20	TONY REYES	123 SOUTH THIRD STRE	RCRA NonGen / NLR	Higher	446, 0.084, SE
D21	WAMPLER LOGGING	212 N KLAMATH AVE.	ECSI	Lower	554, 0.105, NNW
D22	WAMPLER LOGGING	212 KLAMATH AVENUE	RCRA NonGen / NLR	Lower	554, 0.105, NNW
C23	KLAMATH COUNTY SCHOO	131 S 3RD	AST, HSIS	Higher	587, 0.111, East
24	CHOCKTOOT ST. PETROL	CHOCKTOOT ST. (EAST	ECSI	Lower	767, 0.145, WNW
25	CLYDE'S FAIRWAY MARK	323 CHOCKTOOT ST.	ECSI	Lower	1149, 0.218, WNW
26	CHILOQUIN FOREST PRO	W BLOCKLINGER ST.,	SEMS-ARCHIVE	Higher	1790, 0.339, SSE
27	ODOT - CHILOQUIN UIC	46331 CHOCKTOOT ST	ECSI	Higher	2013, 0.381, WNW
28	CHILOQUIN CHRISTIAN	301 S CHILOQUIN BLVD	ECSI	Lower	2542, 0.481, West
29	CHILOQUIN FOREST PRO	BLOCKLINGER ST (END	ECSI, CRL, ENG CONTROLS, INST CONTROL, BROWN	FIELD <b>S</b> ower	2644, 0.501, SSW
30	CHILOQUIN FOREST PRO	BLOCKLINGER ST (WEST	ECSI, BROWNFIELDS	Lower	3041, 0.576, SW

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CHILOQUIN TEXACO 1ST & CHOCKTOOT CHILOQUIN, OR	RGA LUST Facility ID: 18-94-0030	N/A
MODOC MOTORS CHOCKTOOT ST CHILOQUIN, OR 97624	ECSI Investigation: Suspect State ID Number: 5402	N/A
CHILOQUIN TEXACO (FO 103 E. CHOCKTOOT CHILOQUIN, OR 97624	UST Facility ID: 1517	N/A
CHILOQUIN CLEANING & CHOCKTOOT ST. & 2ND CHILOQUIN, OR 97624	ECSI Investigation: Suspect State ID Number: 3182 Decode For Further Action: Low	N/A
CHILOQUIN CLEANING & CHOCKTOOT ST & 2ND A CHILOQUIN, OR 97624	FINDS Registry ID:: 110037726495	N/A
CHILOQUIN TEXACO 103 E. CHOCKTOOT CHILOQUIN, OR 97624	FINDS Registry ID:: 110014115493	N/A
CHILOQUIN STANDARD O CHOCKTOOT ST CHILOQUIN, OR 97624	ECSI Size: 1.4 acres Investigation: No Further Action State ID Number: 2559	N/A
	VCP Action: NO FURTHER STATE ACTION REQUIRED ECS Site ID: 2559 Facility Size: 1.4 acres	
	BROWNFIELDS Status: NO FURTHER STATE ACTION REQUIRED envid: 2559	
	FINDS	

Registry ID:: 110014151577

FORMER CHILOQUIN TEX FINDS N/A

W. CHOCKTOOT STREET Registry ID:: 110070261938 CHILOQUIN, OR 97624

FORMER CHILOQUIN TEX US BROWNFIELDS N/A

W. CHOCKTOOT STREET Cleanup Completion Date: CHILOQUIN, OR 97624 ACRES property ID: 232801

CHILOQUIN TEXACO LUST N/A

1ST & CHOCKTOOT Facility ID: 18-94-0030

CHILOQUIN, OR 97624 Cleanup Complete: 07/22/2019

### **DATABASES WITH NO MAPPED SITES**

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

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

NPL..... National Priority List

Proposed NPL.....Proposed National Priority List Sites

NPL LIENS Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing SEMS..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA ge	nerators list
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RCRA-LQG\_\_\_\_\_\_RCRA - Large Quantity Generators RCRA-SQG\_\_\_\_\_\_RCRA - Small Quantity Generators

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

Generators)

### Federal institutional controls / engineering controls registries

LUCIS...... Land Use Control Information System US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROLS..... Institutional Controls Sites List

#### Federal ERNS list

ERNS..... Emergency Response Notification System

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

SWF/LF...... Solid Waste Facilities List

### State and tribal leaking storage tank lists

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

### State and tribal registered storage tank lists

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

### State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Recorded at ESCI Sites INST CONTROL..... Institutional Controls Recorded at ESCI Sites

### State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory IHS OPEN DUMPS..... Open Dumps on Indian Land

### Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... Columbia Slough

US HIST CDL..... Delisted National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS.......Spill Database
OR HAZMAT......Hazmat/Incidents

SPILLS 90...... SPILLS 90 data from FirstSearch

Other Ascertainable Records

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

TSCA..... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

RAATS...... RCRA Administrative Action Tracking System

ICIS...... Integrated Compliance Information System

FTTS......FIFŘA/ TSCA Tracking System - FIFŘA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

MLTS...... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES...... Mines Master Index File ABANDONED MINES...... Abandoned Mines

UXO...... Unexploded Ordnance Sites

DOCKET HWC...... Hazardous Waste Compliance Docket Listing ECHO...... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

AIRS....... Oregon Title V Facility Listing COAL ASH...... Coal Ash Disposal Sites Listing

DRYCLEANERS...... Drycleaning Facilities
Enforcement..... Enforcement Action Listing

Financial Assurance Information Listing HSIS...... Hazardous Substance Information Survey

MANIFEST..... Manifest Information

NPDES...... Wastewater Permits Database

UIC...... Underground Injection Control Program Database

MINES MRDS..... Mineral Resources Data System

### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

### Exclusive Recovered Govt. Archives

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

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

### STANDARD ENVIRONMENTAL RECORDS

### Federal CERCLIS NFRAP site list

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 12/30/2020 has revealed that there

is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation		Address	Direction / Distance	Map ID	Page
	CHILOQUIN FOREST PRO Site ID: 1002686	W BLOCKLINGER ST.,	SSE 1/4 - 1/2 (0.339 mi.)	26	66
	EPA Id: ORN001002686				

## State- and tribal - equivalent CERCLIS

CRL: Sites that are or may be contaminated and may require cleanup.

A review of the CRL list, as provided by EDR, and dated 11/01/2020 has revealed that there is 1 CRL site within approximately 1 mile of the target property.

Lower Elevation Address		<b>Direction / Distance</b>	Map ID	Page	
CHILOQUIN FOREST PRO Facility Status: No Further Action (Conditio	BLOCKLINGER ST (END	SSW 1/2 - 1 (0.501 mi.)	29	71	
Facility Id: 1213	nai)				

ECSI: The Environmental Cleanup Site Information System records information about sites in Oregon that may be of environmental interest. The data come from the Department of Environmental Quality.

A review of the ECSI list, as provided by EDR, and dated 12/01/2020 has revealed that there are 10 ECSI sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTO REPAIR - CHILOQ Investigation: Suspect State ID Number: 5389	220 E CHOCKTOOT ST	E 0 - 1/8 (0.074 mi.)	C17	44
ODOT - CHILOQUIN UIC Investigation: Suspect State ID Number: 4821	46331 CHOCKTOOT ST	WNW 1/4 - 1/2 (0.381 mi.)	27	67
Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL BULK PLANT Size: <1 acre Investigation: No Further Action State ID Number: 3065	1ST AVE & MAPLE ST (	NNW 0 - 1/8 (0.022 mi.)	A12	28
UPRR BULK PLANT - CH Investigation: No Further Action State ID Number: 2435	123 CHOCKTOOT ST.	WNW 0 - 1/8 (0.063 mi.)	B15	37
WAMPLER LOGGING Investigation: Suspect State ID Number: 4727	212 N KLAMATH AVE.	NNW 0 - 1/8 (0.105 mi.)	D21	52
CHOCKTOOT ST. PETROL Investigation: Suspect State ID Number: 5407	CHOCKTOOT ST. (EAST	WNW 1/8 - 1/4 (0.145 mi.)	24	63
CLYDE'S FAIRWAY MARK	323 CHOCKTOOT ST.	WNW 1/8 - 1/4 (0.218 mi.)	25	65

Investigation: Suspect State ID Number: 4078

Decode For Further Action: Medium-Low

CHILOQUIN CHRISTIAN 301 S CHILOQUIN BLVD W 1/4 - 1/2 (0.481 mi.) 28 69 Investigation: No Further Action State ID Number: 5491 CHILOQUIN FOREST PRO **BLOCKLINGER ST (END** SSW 1/2 - 1 (0.501 mi.) 71 29 Size: 26.34 acres

Investigation: Listed on the CRL/Inventory

State ID Number: 1213

CHILOQUIN FOREST PRO **BLOCKLINGER ST (WEST** SW 1/2 - 1 (0.576 mi.) 30 90

Investigation: Suspect State ID Number: 4885

#### State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 10/07/2020 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
UPRR - CHILOQUIN Facility ID: 18-15-0790	211 N 1ST AVE # 221	NNE 0 - 1/8 (0.076 mi.)	19	49	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
MAY-SLADE OIL CO/BUL Facility ID: 18-91-0057 Cleanup Complete: 01/28/2013	123 W CHOCKTOOT ST	WNW 0 - 1/8 (0.050 mi.)	B13	33	

#### State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 10/07/2020 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
TELEPHONE UTILITIES Facility ID: 3505	2ND & YAHOOSKIN	NE 0 - 1/8 (0.062 mi.)	14	36
MAY-SLADE OIL CO Facility ID: 10724	220 W CHOCKFOOT	E 0 - 1/8 (0.072 mi.)	C16	44

AST: The Aboveground Storage Tank database contains registered ASTs. The data comes from the list of ASTs reported to the Office of State Fire Marshal.

A review of the AST list, as provided by EDR, and dated 02/26/2020 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHILOQUIN AGENCY LAK Facility ld: 24557	156 S 2ND AVE	SSW 0 - 1/8 (0.075 mi.)	18	46
KLAMATH COUNTY SCHOO Facility Id: 90392	131 S 3RD	E 0 - 1/8 (0.111 mi.)	C23	60

#### State and tribal voluntary cleanup sites

VCP: Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

A review of the VCP list, as provided by EDR, and dated 12/29/2020 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION OIL BULK PLANT	1ST AVE & MAPLE ST (	NNW 0 - 1/8 (0.022 mi.)	A12	28
Action: NO FURTHER STATE AC	TION REQUIRED	, ,		
ECS Site ID: 3065				
Facility Size: <1 acre				
UPRR BULK PLANT - CH	123 CHOCKTOOT ST.	WNW 0 - 1/8 (0.063 mi.)	B15	37
Action: NO FURTHER STATE AC	TION REQUIRED	,		
FCS Site ID: 2435				

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
TONY REYES EPA ID:: ORSTATE06675	123 SOUTH THIRD STRE	SE 0 - 1/8 (0.084 mi.)	20	49	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
WAMPLER LOGGING	212 KLAMATH AVENUE	NNW 0 - 1/8 (0.105 mi.)	D22	54	

EPA ID:: ORSTATE06678

#### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

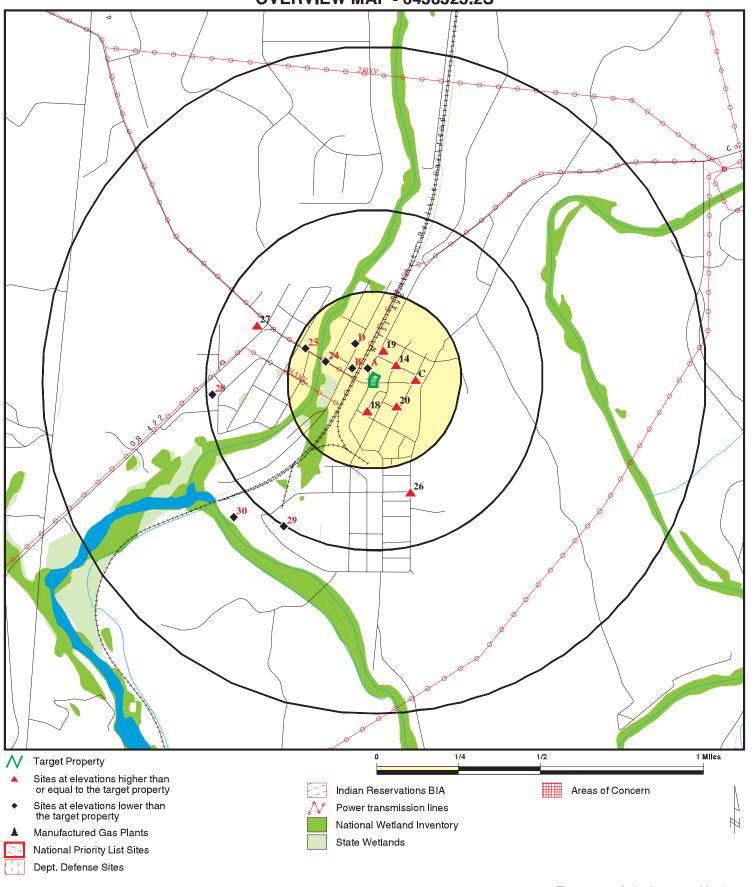
EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMITH DANIEL L	FIRST & CHOCKTOOT	WSW 0 - 1/8 (0.003 mi.)	A11	27

There were no unmapped sites in this report.

# **OVERVIEW MAP - 6438323.2S**



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

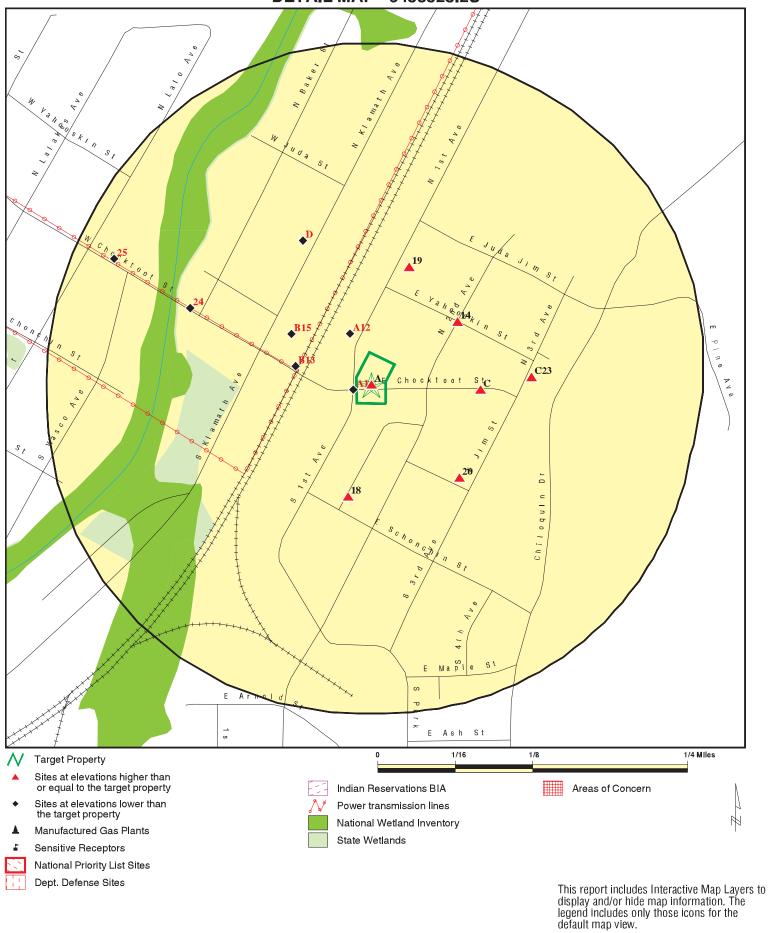
SITE NAME: Former Markwardt Brothers Garage

ADDRESS: Chocktoot Street

Chiloquin OR 97624 LAT/LONG: 42.576707 / 121.862632 CLIENT: Cardno CONTACT: Sam Urban INQUIRY #: 6438323.2s

DATE: April 06, 2021 4:52 pm

# **DETAIL MAP - 6438323.2S**



SITE NAME: Former Markwardt Brothers Garage
ADDRESS: Chocktoot Street Chiloquin OR 97624
LAT/LONG: 42.576707 / 121.862632

CLIENT: Cardno CONTACT: Sam Urban INQUIRY #: 6438323.2s
DATE: April 06, 2021 4:54 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted				
STANDARD ENVIRONMENTAL RECORDS												
Federal NPL site list												
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0				
Federal Delisted NPL sit	te list											
Delisted NPL	1.000		0	0	0	0	NR	0				
Federal CERCLIS list												
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0				
Federal CERCLIS NFRA	P site list											
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1				
Federal RCRA CORRAC	TS facilities li	st										
CORRACTS	1.000		0	0	0	0	NR	0				
Federal RCRA non-COR	RACTS TSD f	acilities list										
RCRA-TSDF	0.500		0	0	0	NR	NR	0				
Federal RCRA generator	rs list											
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0				
Federal institutional con engineering controls reg												
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0				
Federal ERNS list												
ERNS	TP		NR	NR	NR	NR	NR	0				
State- and tribal - equiva	alent CERCLIS	3										
CRL ECSI	1.000 1.000	3	0 4	0 2	0 2	1 2	NR NR	1 13				
State and tribal landfill a solid waste disposal site												
SWF/LF	0.500		0	0	0	NR	NR	0				
State and tribal leaking	storage tank l	ists										
LUST INDIAN LUST	0.500 0.500	1	2 0	0 0	0 0	NR NR	NR NR	3 0				
State and tribal registere	ed storage tar	nk lists										
FEMA UST	0.250		0	0	NR	NR	NR	0				

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250	1	2 2 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	3 2 0
State and tribal institutio control / engineering con		s						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal voluntary	/ cleanup site	s						
VCP INDIAN VCP	0.500 0.500	1	2 0	0 0	0 0	NR NR	NR NR	3 0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500	1	0	0	0	NR	NR	1
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u>.</u>						
Local Brownfield lists	0.500			•	•	ND	NE	
US BROWNFIELDS	0.500	1	0	0	0	NR	NR	1
Local Lists of Landfill / S Waste Disposal Sites	Olla							
SWRCY HIST LF INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste /							
AOCONCERN US HIST CDL CDL US CDL	1.000 TP TP TP		0 NR NR NR	0 NR NR NR	0 NR NR NR	0 NR NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency R	-	rts						
HMIRS SPILLS OR HAZMAT SPILLS 90	TP TP TP TP		NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR FUDS DOD	0.250 1.000 1.000		2 0 0	0 0 0	NR 0 0	NR 0 0	NR NR NR	2 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
	<u> </u>							
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	1.000		0 0	0 0	0 0	0 NR	NR NR	0
LEAD SMELTERS	0.500 TP		NR	NR	NR	NR NR	NR NR	0 0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	4	NR	NR	NR	NR	NR	4
UXO	1.000	7	0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	Ö
AIRS	TP		NR	NR	NR	NR	NR	Ö
COAL ASH	0.500		0	0	0	NR	NR	Ö
DRYCLEANERS	0.250		0	Ö	NR	NR	NR	Ö
Enforcement	TP		NR	NR	NR	NR	NR	Ö
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSIS	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIC	AL RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
			•	•	• •	. •• •		•

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP	1	NR	NR	NR	NR	NR	1
- Totals		13	15	2	3	3	0	36

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

Α1 **CHILOQUIN TEXACO RGA LUST** S115359739 **Target 1ST & CHOCKTOOT** N/A

CHILOQUIN, OR

RGA LUST:

Site 1 of 12 in cluster A

Actual: 4196 ft.

**Property** 

CHILOQUIN TEXACO 1ST & CHOCKTOOT 2012

> 2011 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2010 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2009 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2008 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2007 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2006 **CHILOQUIN TEXACO** 1ST & CHOCKTOOT

> 2005 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2004 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2003 CHILOQUIN TEXACO 1ST & CHOCKTOOT

> 2002 CHILOQUIN TEXACO 1ST & CHOCKTOOT

**MODOC MOTORS ECSI** S110638450 Α2 Target **CHOCKTOOT ST** N/A **Property** CHILOQUIN, OR 97624

Site 2 of 12 in cluster A

Actual: 4196 ft. ECSI: MODOC MOTORS Name: **CHOCKTOOT ST** Address: City,State,Zip: CHILOQUIN, OR 97624

State ID Number: 5402 Brown ID: 0 Study Area: False Region ID: 1 Legislatve ID: 0 Investigation: Suspect FACA ID: 117332

Further Action: 42 34 38.60 / -121 51 52.20 Lat/Long (dms):

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 S Township Zone: 7.00 Range Coord: Range Zone: Е Section Coord: 34 Qtr Section: DΒ

Tax Lots: Not reported Size: Not reported False NPL:

Direction Distance

Elevation Site Database(s) EPA ID Number

### **MODOC MOTORS (Continued)**

S110638450

**EDR ID Number** 

Orphan: False Updated By: **DCROUSE** Update Date: 10/21/2010 Created Date: 08/18/2010 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: Suspect Decode For Legislative: Not reported

Narrative:

NARR ID: 5752395

NARR Code: Contamination
Created By: DCROUSE
Created Date: 08/18/2010

Updated By: DCROUSE
Updated Date: 08/18/2010

Decode for NarcdID: Contamination

NARR Comments: (8/18/10 DMC/SAS) Site added for tracking as a former auto facility.

NARR ID: 5752396

NARR Code: Data Sources

Created By: DCROUSE

Created Date: 08/18/2010

Updated By: DCROUSE

Updated Date: 08/18/2010

Decode for NarcdID: Data Sources

NARR Comments: 1. DMC/SAS drivebys (12/3/09).

NARR ID: 5752397

NARR Code: Remedial Action
Created By: DCROUSE
Created Date: 08/18/2010

Updated By: DCROUSE
Updated Date: 08/18/2010

Decode for NarcdID: Remedial Action

NARR Comments: (8/18/10 DMC/SAS) Site screening recommended.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 08/18/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/18/2010

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region
Complete Date: 08/18/2010
Rank Value: Not reported
Cleanup Flag: False

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**MODOC MOTORS (Continued)** 

S110638450

Created Date: 07/26/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action:

Comments: Not reported

Operations:

Operation Id: 135670 Operation Status: Inactive Common Name: Modoc Motors Yrs of Operation: Not reported Comments: Former auto facility. Updated Date: 08/18/2010 Updated By: **DCROUSE** Decode for OpstatID: Inactive

**CHILOQUIN TEXACO (FORMER)** А3 **103 E. CHOCKTOOT** 

UST U000437563 N/A

ECSI S106980794

N/A

**Target Property** CHILOQUIN, OR 97624

Site 3 of 12 in cluster A

Actual: UST:

4196 ft.

Name: CHILOQUIN TEXACO (FORMER)

Address: 103 E. CHOCKTOOT

CHILOQUIN City: Facility ID: 1517

Facility Telephone: (541) 883-4297 Permittee Name: Rick Vaughn Number of Permitted Tanks: Not reported Active Tanks: Not reported

**Decommissioned Tanks:** 7 7 Number of Tanks:

**CHILOQUIN CLEANING & PRESSING (FORMER)** Α4 **CHOCKTOOT ST. & 2ND AVE. (SW CORNER OF) Target** 

**Property** CHILOQUIN, OR 97624

Site 4 of 12 in cluster A

ECSI: Actual: 4196 ft.

CHILOQUIN CLEANING & PRESSING (FORMER) Name: CHOCKTOOT ST. & 2ND AVE. (SW CORNER OF) Address:

City, State, Zip: CHILOQUIN, OR 97624

State ID Number: 3182 Brown ID: 0 Study Area: False Region ID: Legislatve ID: Λ Investigation: Suspect FACA ID: 43468 Further Action: 260

42 34 35.79 / -121 51 38.73 Lat/Long (dms):

County Code: 18.00

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN CLEANING & PRESSING (FORMER) (Continued)

S106980794

**EDR ID Number** 

Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 34 Qtr Section: DC

Tax Lots: Not reported Size: Not reported NPL: False Orphan: False Updated By: **GWISTAR** Update Date: 09/08/2014 Created Date: 11/26/2001 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Low Decode For Investstat: Suspect Not reported Decode For Legislative:

Alias Name: Chiloquin Dry Cleaner

Narrative:

NARR ID: 5741804

NARR Code: Contamination

Created By: Not reported

Created Date: 12/17/2002

Updated By: Not reported

Updated Date: 12/17/2002

Decode for NarcdID: Contamination

NARR Comments: (11/26/01 DMC/SAS) Site added to database for tracking purposes as a

former dry cleaner. No information concerning a release of hazardous

substances has been received.

NARR ID: 5741805 NARR Code: **Data Sources** Created By: Not reported Created Date: 12/17/2002 Updated By: Not reported 12/17/2002 **Updated Date:** Decode for NarcdID: **Data Sources** NARR Comments: 1. Sanborn Map (1931).

Administrative Action:

Action ID: 9424

Region: Eastern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False

Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Administrative Action

Action Code Flag: False

Action: Site added to database Further Action: Not reported Comments: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### CHILOQUIN CLEANING & PRESSING (FORMER) (Continued)

S106980794

Action ID: 9508

Region: Eastern Region Complete Date: 11/26/2001

Rank Value: 3 Cleanup Flag: False Created Date: 12/17/2002

Department of Environmental Quality Decode for AgencyID:

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action: Low

Comments: Not reported

Operations:

Operation Id: 134353 Inactive Operation Status:

Chiloquin Dry Cleaner (Former) Common Name:

Yrs of Operation: 1938 (circa). Comments: Former dry cleaner.

Updated Date: 01/08/2002 Updated By: dmc Decode for OpstatID: Inactive Operations SIC Id: 197644 SIC Code: 7216 Created By: Not reported Created Date: 12/17/2002

**CHILOQUIN CLEANING & PRESSING (FORMER) CHOCKTOOT ST & 2ND AVE (SW CORNER)** 

**Property** CHILOQUIN, OR 97624

Site 5 of 12 in cluster A

FINDS: Actual:

Α5

**Target** 

4196 ft. 110037726495 Registry ID:

Click Here:

Environmental Interest/Information System:

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental

regulations.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FINDS

1011948266

N/A

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

A6 **CHILOQUIN TEXACO FINDS** 1006849645 **Target** 

**103 E. CHOCKTOOT** N/A

**Property** CHILOQUIN, OR 97624

Site 6 of 12 in cluster A

Actual: FINDS:

4196 ft. Registry ID: 110014115493

Click Here:

Environmental Interest/Information System:

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental

regulations.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

Α7 **CHILOQUIN STANDARD OIL BULK PLANT ECSI** 1006853095

**CHOCKTOOT ST Target VCP** N/A **Property** CHILOQUIN, OR 97624 **BROWNFIELDS FINDS** 

Site 7 of 12 in cluster A

Actual: ECSI:

4196 ft. Name: CHILOQUIN STANDARD OIL BULK PLANT (FORMER)

Address: **CHOCKTOOT ST** CHILOQUIN, OR 97624 City,State,Zip:

State ID Number: 2559

Brown ID: Brownfield Site - No Public Sector Assistance

Study Area: False Region ID: Legislatve ID: 831

Investigation: No Further Action

FACA ID: 40899 Further Action: 0

Lat/Long (dms): 42 34 36.10 / -121 51 51.10

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S Range Coord: 7.00 Range Zone: Ε Section Coord: 34 Qtr Section: DC

Tax Lots: Not reported Size: 1.4 acres NPL: False Orphan: False Updated By: **DCROUSE** Update Date: 10/12/2005 Created Date: 04/14/2000 Decode For RegionID: Eastern Region

Decode For BrownID: Brownfield Site - no Public Sector Assistance

Decode For Furtheract: Not reported No Further Action Decode For Investstat:

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

#### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

Decode For Legislative: Owner, operator or other party under agreement, order or consent

decree under ORS 465.200 or 465.420

Alias Name: Chevron Bulk Plant - Chiloquin

Narrative:

NARR ID: 5739547

NARR Code: Contamination

Created By: Not reported

Created Date: 12/17/2002

Updated By: GWISTAR

Updated Date: 01/29/2004

Decode for NarcdID: Contamination

NARR Comments: (12/30/03 KJR/VCP) In April 2000, the City of Chiloquin excavated a

trench to repair a water line at the corner of Klamath Avenue and Chocktoot Street. The trench is located adjacent to the northern corner of the former Standard Oil Bulk Plant and west from the former Shell (May-Slade) Bulk Plant. Petroleum contaminated soil and water were encountered during excavation activities. A soil sample collected by the City and analyzed for hydrocarbon identification indicated the presence of gasoline and heavy oil but the sample was not quantified. A soil sample was also collected by DEQ staff and analyzed for hydrocarbon identification. No gasoline, diesel, or heavy oil was detected. Following the discovery of the impacts near the water line, Chevron Products Company assessed the site to determine if water line contamination was related to their operations.

Not reported

NARR ID: 5749974

NARR Code: General Site Description

Created By: GWISTAR
Created Date: 12/20/2007
Updated By: GWISTAR
Updated Date: 12/20/2007

Decode for NarcdID: General Site Description

NARR Comments: The Williamson River runs parallel to the site about one block to the

west. Directly east is the site of the old Standard Oil Bulk Plant.

To the northeast is the site of the currently operating Ferrells Fuel
Bulk Plant, recently purchased by Clough Oil Company. To the west is
a small heavy equipment shop rumored to have been a service station
with a pump island out in front. Approximately one block east is the
site of an old Copeland Lumber yard that locals recall having a
leaking underground storage tank from which many loads of soil were

removed. It was likely owned by Southern Pacific Railroad.

NARR ID: 5739548

NARR Code: Hazardous Substance/Waste Types

Created By: Not reported Created Date: 12/17/2002 Updated By: GWISTAR Updated Date: 01/16/2003

Decode for NarcdID: Hazardous Substance/Waste Types

NARR Comments: Petroleum products. DEQ staff noted contamination on-site between

1993 and 2002, and a March 1998 report from Western Environmental

documented BTEX compounds in groundwater.

NARR ID: 5739550
NARR Code: Remedial Action
Created By: Not reported

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

Created Date: 12/17/2002
Updated By: KROBERT
Updated Date: 03/23/2004
Decode for NarcdID: Remedial Action

NARR Comments: (4/6/00 MMR/SAS) Site visit 4/6/00. (4/5/01 WCW/VCS) Intent to

Participate (in Voluntary Cleanup Program) form received from Chevron. Signed 4/2/01. (Information from Floyd Hescock, 2/03) In the summer of 2000, the City of Chiloquin received a service request from the Village Clinic to connect to city water/sewer lines. During ensuing water hookup activities, which occurred on Chocktoot St. about 300 ft. west of the site at a depth of 5 ft., no contamination was found. However, contamination was found during sewer hookup activities, which occurred behind the automotive shop, in an alley along the western property line. The contamination was encountered at the hardpan level, about 30 ft. from the Williamson River. (3/21/03 KJR/VCP) Chevron Products Company performed a site assessment in September 2003, installing six wells and two borings. HCID analysis indicated the presence of gasoline and diesel across the site, and heavy oil on the SE side of the warehouse and at the north property boundary. Soil was not quantified for TPH; additional sampling will be required. Constituents, including BTEX, metals, and PAHs, were detected in soil, and low levels of constituents were also detected in groundwater, (12/30/03 KJR/VCP) To evaluate the findings of the site assessments, the following were used: Risk-Based Concentrations from the Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document dated September 22, 2003 and Preliminary Remedial Goals (PRGs) dated October 1, 2002. The property is industrially zoned and the City of Chiloguin has indicated this zoning is unlikely to change. Six groundwater monitoring wells and two soil borings were drilled at the site in September 2002. Groundwater was present between 3.9 feet below ground surface (bgs) and 6.5 feet bgs. A total of 18 soil samples were submitted for hydrocarbon identification by NW Method TPH-HCID. Concentrations of gasoline, diesel, and/or heavy oil were detected in eight of the samples. The laboratory failed to quantify the samples with hydrocarbons identified. As a result, six additional soil borings were drilled in June 2003 to collect soil samples from the areas where hydrocarbons were detected during the September 2002 sampling event. Five soil samples were analyzed for gasoline by TPH Method TPH-G. Gasoline was detected in all five soil samples at levels ranging from 20 to 550 parts per million (ppm). Eight soil samples were analyzed for diesel and heavy oil by TPH Method TPH-Dx. Diesel was detected in all eight samples ranging from 4.6 to 2,300 ppm. Heavy oil was detected in two of the eight samples at 10 ppm and 79 ppm. All detected concentrations were less than site-specific gasoline and diesel RBCs calculated for the site. Select soil samples, collected during the September 2002 sampling event, were also analyzed for select VOCs: benzene, toluene, ethylbenzene, and xylenes (BTEX), MtBE, EDB, EDC, naphthalene, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene (1,2,4-TMB), 1,3,5-trimethylbenzene (1,3,5-TMB) by EPA Method 8260B, for PAHs by EPA Method 8270 SIM, and for total RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, silver, and selenium) by EPA Methods 6020/6010B. Toluene, ethylbenzene, xylenes, isopropylbenzene, n-propylbenzene, 1,2,4-TMB, 1,3,5-TMB were detected in one or more of the 15 soil samples analyzed at levels ranging from 0.0011 to 20 ppm. All detected concentrations except for concentrations of 1,2,4-TMB

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

**EPA ID Number** 

and 1,3,5-TMB in boring B-2(2.5 feet) were less than their respective residential RBCs. 1,2,4-TMB (20 ppm) and 1,3,5-TMB (4.1 ppm) detected in boring B-2 at 2.5 feet are less than their respective occupational leaching to groundwater levels (55 ppm, 12 ppm). One or more PAH compounds were detected in all seven soil samples analyzed. Concentrations ranged from 0.00059 to 30 ppm. All detected concentrations of PAHs are less than their respective residential RBCs. Total metals, except cadmium, were detected in the seven soil samples analyzed at levels of 0.019 to 194 ppm. All detected concentrations were less than their respective residential PRGs. Groundwater samples were collected from the six monitoring wells and analyzed for select VOCs: BTEX, MtBE, EDB, EDC, naphthalene, isopropylbenzene, n-propylbenzene, 1,2,4-TMB, 1,3,5-TMB by EPA Method 8260B, for PAHs by EPA Method 8270 SIM, and for dissolved RCRA 8 metals by EPA Methods 6020/6010B/7421. MtBE was detected in the groundwater from wells MW-1 through MW-5 at levels ranging from 2 to 9 parts per billion (ppb). N-propylbenzene at 3 ppb was detected in the groundwater from well MW 4. No BTEX, isopropylbenzene, 1,3,5-TMB, 1,2,4-TMB, EDB, or EDC was detected in any groundwater sample. With the exception of MtBE detected in groundwater from well MW-4 (9ppb), concentrations of MtBE and n-propylbenzene are less than their respective residential RBCs. MtBE detected in groundwater from well MW-4 is less than the occupational RBC of 38 ppb. One or more PAH compounds were detected in groundwater from wells MW-1 and MW-3 through MW 6. Concentrations ranged from 0.01 to 4 ppb. Concentrations of PAHs were less than their respective residential RBCs. Dissolved barium was detected in all six groundwater samples at 19.2 to 48 ppb. Concentrations of barium are less than tap water PRG levels. Arsenic, cadmium, chromium, lead, mercury, selenium, and silver were not detected. Three additional quarterly groundwater events were performed in January, June, and July 2003. Groundwater migration at the site is generally towards the west. Groundwater samples were analyzed for BTEX and MtBE by EPA Method 8260B, for PAHs by EPA Method 8270 SIM, and for dissolved or total lead by EPA Method 6010B. RCRA 8 metals were also analyzed during the January 2003 event. BTEX was detected during one or more sampling events in groundwater from wells MW-1 and MW-6 at levels ranging from 0.5 to 5.8 ppb. Concentrations of benzene are less than occupational RBC of 2.2 ppb. Concentrations of toluene, ethylbenzene, and xylenes are less than their respective residential RBCs. MtBE was detected during one or more sampling events in groundwater samples from wells MW-1 to MW-6 at levels ranging from 2 to 9 ppb. Only four concentrations of MtBE detected from wells MW-3 (9/18/02), MW-4 (7/31/03), and MW-5 (6/5/03, 7/31/03) exceeded the residential RBC of 6.4 ppb. However, all concentrations of MtBE are less than the occupational RBC of 38 ppb. One or more PAH compounds have been detected in the groundwater from the six monitoring wells. Detected PAHs were less than their respective residential or occupational RBCs for all three quarterly events. Dissolved lead concentrations were detected in wells MW-2 (14 ppm) and MW-6 (2 ppb) at concentrations less than residential RBC of 15 ppb. Groundwater in the vicinity of the site is used for drinking water. However, the City of Chiloquin has a municipal water system, which is the primary source of drinking water. The closest domestic well to the site is located approximately 100 feet upgradient. All concentrations detected in groundwater are less than occupational RBCs. Except for benzene. MtBE, benzo(a)pyrene, and dibenzo(a,h)anthracene, all groundwater concentrations are less than

Direction Distance Elevation

ion Site Database(s) EPA ID Number

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

residential RBCs. The contamination observed during the water line excavation does not appear to be related to the Standard Bulk Plant site. Additional evaluation of the former Shell Bulk Plant should be performed by the appropriate responsible party. Based on the available data and the preceding discussion, a no further action determination is proposed for the Standard Oil Bulk Plant site located at South Klamath Avenue and West Chocktoot Street in Chiloquin, Oregon. A final determination will be made after consideration of public comments. (3/23/04 KJR/VCP) NFA was issued 3/23/04. Investigations are on-going to determine the source of the contamination observed in the City's water line trench.

NARR ID: 5744530

NARR Code: Site History
Created By: GWISTAR
Created Date: 01/29/2004
Updated By: GWISTAR
Updated Date: 01/29/2004
Decode for NarcdID: Site History

NARR Comments: The site was an active petroleum bulk fuel facility from the 1920s to

the late 1970s, located at the southern corner of the intersection of Klamath Ave. and Chocktoot St. in Chiloquin. The site consisted of a warehouse building, garage, truck loading and off-loading racks, rail car loading area, pump island, four above-ground storage tanks (ASTs) containing gasoline, aviation fuel, stove oil, and diesel, and associated piping. All facilities except the buildings have been

removed from the site.

Administrative Action:

Action ID: 9484

Region: Eastern Region
Complete Date: 02/10/2003
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: REMEDIAL INVESTIGATION

Further Action: 0

Comments: Not reported

Action ID: 9498

Region: Eastern Region Complete Date: 09/19/2002

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action

Action Code Flag: False

Action: Proposal for Confirmed Release List recommended

Further Action: 0

Comments: Not reported

Action ID: 9502

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

Region: Eastern Region
Complete Date: 03/13/2001
Rank Value: 103
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Remedial Investigation recommended (RI)

Further Action: High
Comments: Not reported

Action ID: 9440

Region: Eastern Region Complete Date: 04/26/2001

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action Action Code Flag: False

Action: Letter Agreement Further Action: 0

Comments: Not reported

Action ID: 9424

Region: Eastern Region
Complete Date: Not reported

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425

Region: Eastern Region
Complete Date: 03/14/2001
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9465

Region: Eastern Region

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

Complete Date: 01/21/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/30/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Facility proposed for Confirmed Release List

Further Action: 0

Comments: Not reported

Action ID: 9428

Region: Eastern Region
Complete Date: 02/18/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/25/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Extension requested by owner/operator

Further Action: 0

Comments: Not reported

Action ID: 9430

Region: Eastern Region
Complete Date: 02/25/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/25/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Petition or request granted

Further Action: 0

Comments: Not reported

Action ID: 9451

Region: Eastern Region
Complete Date: 04/04/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/22/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action
Action Code Flag: False

Action: Owner/operator comments received on listing notification

Further Action: 0

Comments: Not reported

Action ID: 9451

Region: Eastern Region Complete Date: 04/06/2003

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

Rank Value: Not reported Cleanup Flag: False Created Date: 04/22/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Owner/operator comments received on listing notification

Further Action:

Comments: Not reported

Action ID: 9451

Region: Eastern Region Complete Date: 04/11/2003 Rank Value: Not reported Cleanup Flag: False Created Date: 04/22/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Owner/operator comments received on listing notification

Further Action:

Comments: Not reported

Action ID: 9419

Region: Eastern Region Complete Date: 12/30/2003 Rank Value: Not reported Cleanup Flag: False Created Date: 12/30/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Decision Not to List Site (on the CRL or Inventory) Action:

Further Action:

Comments: Not reported

Action ID: 9511

Region: Eastern Region Complete Date: 01/05/2004 Rank Value: Not reported Cleanup Flag: False Created Date: 01/14/2004

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

SITE INVESTIGATION Action: Further Action: Comments: Not reported

Action ID: 9443

Region: Eastern Region Complete Date: 03/23/2004 Rank Value: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

**EDR ID Number** 

Cleanup Flag: False
Created Date: 03/23/2004

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: NO FURTHER STATE ACTION REQUIRED

Further Action: 0

Comments: Not reported

Operations:

Operation Id: 133769 Operation Status: Inactive

Common Name: Chiloquin Standard Oil Bulk Plant

Yrs of Operation: 1950 (circa).

Comments: Facility believed to be around 50 yrs old.

Updated Date: 07/15/2003
Updated By: DCROUSE
Decode for OpstatID: Inactive
Operations SIC Id: 197023
SIC Code: 5171
Created By: Not reported
Created Date: 12/17/2002

VCS:

Name: CHILOQUIN STANDARD OIL BULK PLANT (FORMER)

Address: CHOCKTOOT ST City,State,Zip: CHILOQUIN, OR 97624

ECS Site ID: 2559 Facility Size: 1.4 acres

Action: NO FURTHER STATE ACTION REQUIRED

 Start Date:
 03/23/2004

 End Date:
 03/23/2004

 Program:
 VCS

 Latitude:
 42.5767

 Longitude:
 -121.8642

OR BROWNFIELDS:

Name: CHILOQUIN STANDARD OIL BULK PLANT (FORMER)

Address: CHOCKTOOT ST City,State,Zip: CHILOQUIN, OR 97624

Geolocation Id: 40899

Status: NO FURTHER STATE ACTION REQUIRED

Lat/Long: 42.5767 / -121.864

FINDS:

Registry ID: 110014151577

Click Here:

Environmental Interest/Information System:

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental

regulations.

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### CHILOQUIN STANDARD OIL BULK PLANT (Continued)

1006853095

FINDS 1024365579

N/A

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**FORMER CHILOQUIN TEXACO A8** W. CHOCKTOOT STREET AND N. 1ST AVENUE **Target** 

**Property** CHILOQUIN, OR 97624

Site 8 of 12 in cluster A

Actual: FINDS:

**Target** 

4196 ft.

4196 ft. 110070261938 Registry ID:

Click Here:

Environmental Interest/Information System:

W. CHOCKTOOT STREET AND N. 1ST AVENUE

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

FORMER CHILOQUIN TEXACO Α9

**US BROWNFIELDS** 1024456344

N/A

**Property** CHILOQUIN, OR 97624

Site 9 of 12 in cluster A

US BROWNFIELDS: Actual:

> FORMER CHILOQUIN TEXACO Name:

Address: W. CHOCKTOOT STREET AND N. 1ST AVENUE

City, State, Zip: CHILOQUIN, OR 97624 Recipient Name: City of Klamath Falls Grant Type: Assessment Property Number: 340734DC800

Parcel size: .11

Latitude: 42.5766382 Longitude: -121.8629078

HCM Label: Map Scale: Point of Reference:

Highlights: Former gas station, acquired by Klamath County through tax

foreclosure. Vacant with USTs remaining in place until removed for assessment using grant funds. Follow up soil and groundwater sampling

completed. DEQ issued NFA 7/22/219. No deed restriction or engineering control required; however, NFA letter states that

Datum:

Acres Property ID: 232801 IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up: Cleanup Funding: Cleanup Funding Source:

Assessment Funding: 25703 Assessment Funding Source: **EPA** Redevelopment Funding:

Direction Distance Elevation

Site Database(s) EPA ID Number

### FORMER CHILOQUIN TEXACO (Continued)

1024456344

**EDR ID Number** 

Redev. Funding Source:
Redev. Funding Entity Name:
Redevelopment Start Date:

Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement

Cleanup Funding Entity: -

Grant Type: Petroleum

Accomplishment Type: Supplemental Assessment

Accomplishment Count: N

Cooperative Agreement Number: 01J07701
Start Date: 06/07/2018
Ownership Entity: Government
Completion Date: 09/21/2018
Current Owner: Klamath County

State/tribal program date:07/03/1994State/tribal program ID:18-94-0030State/tribal NFA date:07/22/2019

Air cleaned:

Asbestos found:

Asbestos cleaned:

Controled substance found:

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Groundwater affected:

Groundwater cleaned:

Lead contaminant found:

Lead cleaned up:

No media affected: Not reported

Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up: Surface water cleaned: VOCs found:

Distance Elevation

Site Database(s) EPA ID Number

### FORMER CHILOQUIN TEXACO (Continued)

1024456344

**EDR ID Number** 

VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: .11 Past use industrial acreage: Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Superfund Fed. landowner flag: Ν Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found: Cadmium contaminant found: Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up:

Past Use: Multistory Not reported

Property Description: Klamath County acquired the property through tax foreclosure.

Below Poverty Number: 124 Below Poverty Percent: 20.46 Meidan Income: 2127 Meidan Income Number: 317 Meidan Income Percent: 52.31 Vacant Housing Number: 110 Vacant Housing Percent: 30.01 **Unemployed Number:** 42 **Unemployed Percent:** 6.93

Name: FORMER CHILOQUIN TEXACO

Address: W. CHOCKTOOT STREET AND N. 1ST AVENUE

Direction Distance

Elevation Site Database(s) EPA ID Number

### FORMER CHILOQUIN TEXACO (Continued)

1024456344

**EDR ID Number** 

City,State,Zip: CHILOQUIN, OR 97624
Recipient Name: City of Klamath Falls
Grant Type: Assessment
Property Number: 340734DC800

Parcel size: .11

Latitude: 42.5766382 Longitude: -121.8629078

HCM Label: Map Scale: Point of Reference: -

Highlights: Former gas station, acquired by Klamath County through tax

foreclosure. Vacant with USTs remaining in place until removed for assessment using grant funds. Follow up soil and groundwater sampling

completed. DEQ issued NFA 7/22/219. No deed restriction or engineering control required; however, NFA letter states that

Datum: -

Acres Property ID: 232801
IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up: Cleanup Funding: Cleanup Funding Source: -

Assessment Funding: 75000
Assessment Funding Source: EPA
Redevelopment Funding: Redev. Funding Source: Redev. Funding Entity Name: Redevelopment Start Date: -

Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement

Cleanup Funding Entity: -

Grant Type: Petroleum

Accomplishment Type: Phase II Environmental Assessment

Accomplishment Count: Y

Cooperative Agreement Number: 01J07701
Start Date: 08/01/2017
Ownership Entity: Government
Completion Date: 05/24/2018
Current Owner: Klamath County

Did Owner Change: Y
Cleanup Required: N
Video Available: Photo Available: Institutional Controls Required: Y
IC Category Proprietary Controls: IC Cat. Info. Devices: Y
IC Cat. Gov. Controls: IC Cat. Enforcement Permit Tools: IC in place date: IC in place: Y

State/tribal program date: 07/03/1994
State/tribal program ID: 18-94-0030
State/tribal NFA date: 07/22/2019

Air cleaned: Asbestos found: Asbestos cleaned: -

Distance Elevation

Site Database(s) EPA ID Number

## FORMER CHILOQUIN TEXACO (Continued)

1024456344

**EDR ID Number** 

Controled substance found:

Controled substance cleaned:

Drinking water affected:

Drinking water cleaned:

Groundwater affected:

Groundwater cleaned:

Lead contaminant found:

Lead cleaned up:

No media affected: Not reported

Unknown media affected:

Other cleaned up:

Other metals found:

Other metals cleaned:

Other metals cleaned:

Other contaminants found:

Other contams found description:

PAHs found:

PAHs cleaned up:

PCBs found:

PCBs cleaned up:

Petro products found:

Y
Petro products cleaned:

Sediments found:

-

Sediments cleaned:
Sediments cleaned:
Soil affected:
Yoil cleaned up:
Surface water cleaned:
VOCs found:
VOCs cleaned:
Cleanup other description:
Num. of cleanup and re-dev. jobs:

Num. of cleanup and re-dev. jobs:

Past use greenspace acreage:

Past use residential acreage:

Surface Water:

Past use commercial acreage: .11
Past use industrial acreage: Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: Superfund Fed. landowner flag: N
Arsenic cleaned up: -

Cadmium cleaned up:
Chromium cleaned up:
Copper cleaned up:
Iron cleaned up:
mercury cleaned up:
Nickel Cleaned Up:
No clean up:
Pesticides cleaned up:
-

Selenium cleaned up:

SVOCs cleaned up:

Unknown clean up:

Arsenic contaminant found:

Cadmium contaminant found:

Chromium contaminant found:

Copper contaminant found:

-

Iron contaminant found:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### FORMER CHILOQUIN TEXACO (Continued)

1024456344

Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up:

Past Use: Multistory Not reported

Property Description: Klamath County acquired the property through tax foreclosure.

Below Poverty Number: Below Poverty Percent: 20.46 Meidan Income: 2127 Meidan Income Number: 317 Meidan Income Percent: 52.31 Vacant Housing Number: 110 Vacant Housing Percent: 30.01 **Unemployed Number:** 42 **Unemployed Percent:** 6.93

A10 **CHILOQUIN TEXACO** LUST S119015203 **Target 1ST & CHOCKTOOT** N/A CHILOQUIN, OR 97624

Site 10 of 12 in cluster A

LUST: Actual:

**Property** 

4196 ft. **CHILOQUIN TEXACO** Name:

Address: 1ST & CHOCKTOOT CHILOQUIN, OR 97624 City,State,Zip:

Region: Eastern Region Facility ID: 18-94-0030 Cleanup Received Date: 07/18/1994 Cleanup Start Date: 07/15/1994 Cleanup Complete Date: 07/22/2019 Decode for Region: **East Region** 

**EDR Hist Auto** 1020170753 A11 SMITH DANIEL L **WSW FIRST & CHOCKTOOT** N/A

CHILOQUIN, OR 97624 < 1/8 0.003 mi.

14 ft. Site 11 of 12 in cluster A

Relative: **EDR Hist Auto** 

Lower

Year: Name: Type: Actual:

1988 SMITH DANIEL L Gasoline Service Stations 4195 ft.

SMITH DANIEL L Gasoline Service Stations, NEC 1989 1990 SMITH DANIEL L Gasoline Service Stations, NEC 1991 SMITH DANIEL L Gasoline Service Stations, NEC 1992 Gasoline Service Stations, NEC SMITH DANIEL L

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

SMITH DANIEL L (Continued) 1020170753

1993 SMITH DANIEL L Gasoline Service Stations, NEC 1997 CHILOQUIN TEXACO AND FOODMART Gasoline Service Stations

UNION OIL BULK PLANT (FORMER) - CHILOQUIN **ECSI** 1006852577 A12 NNW 1ST AVE & MAPLE ST (NW CORNER OF) **VCP** N/A

CHILOQUIN, OR 97624 < 1/8

0.022 mi.

114 ft. Site 12 of 12 in cluster A

ECSI: Relative: Lower UNION OIL BULK PLANT (FORMER) - CHILOQUIN Name:

Address: 1ST AVE. & MAPLE ST. (NW CORNER OF) Actual:

4194 ft. City, State, Zip: CHILOQUIN, OR 97624

State ID Number: 3065 Brown ID: n Study Area: False Region ID: Legislatve ID:

Investigation: No Further Action

FACA ID: 41247 Further Action:

Lat/Long (dms): 42 34 26.40 / -121 51 50.80

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 34 Qtr Section: DC Tax Lots: 4900 Size: <1 acre NPL: False Orphan: False Updated By: **GWISTAR** Update Date: Created Date: Decode For RegionID:

08/23/2013 05/11/2001 Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: No Further Action Not reported Decode For Legislative: Alias Name: Unocal Bulk Plant - Chiloquin

Narrative:

5741377 NARR ID: NARR Code: Contamination Created By: Not reported 12/17/2002 Created Date: Updated By: **DCROUSE** Updated Date: 11/10/2005 Decode for NarcdID: Contamination

NARR Comments: (5/11/01 DMC/SAS) Site added to database for tracking purposes as a

> former bulk plant. (7/15/03 DMC/SAS) Site structures have been removed. (11/10/05 DMC/SAS) Site is a former Unocal petroleum bulk plant that was active from ~1925 through the 1940s and possibly into

the 1960s. The site is currently a vacant lot with the building

**FINDS** 

Direction Distance

Elevation Site Database(s) EPA ID Number

#### UNION OIL BULK PLANT (FORMER) - CHILOQUIN (Continued)

1006852577

**EDR ID Number** 

footprints from the former Unocal operation including the aboveground storage tank (AST) pads, office, warehouse, and garage. The site also has a mound in the center that may have been from the building and equipment dismantling.

NARR ID: 5741378

NARR Code: Data Sources

Created By: Not reported

Created Date: 12/17/2002

Updated By: DCROUSE

Updated Date: 11/10/2005

Decode for NarcdID: Data Sources

NARR Comments: 1. Sanborn map (1931) and aerial photos. 2. Unocal response to Info

Request (9/26/05). 3. Phone interview with current owner. 4. DEQ

Strategy Recommendation (10/25/05).

NARR ID: 5747464

NARR Code: Hazardous Substance/Waste Types

Created By: DCROUSE
Created Date: 11/10/2005
Updated By: DCROUSE
Updated Date: 11/10/2005

Decode for NarcdID: Hazardous Substance/Waste Types NARR Comments: petroleum products (no release confirmed)

NARR ID: 5747465

NARR Code: Manner of Release
Created By: DCROUSE
Created Date: 11/10/2005
Updated By: DCROUSE
Updated Date: 11/10/2005
Decode for NarcdID: Manner of Release

NARR Comments: Potential for past practice release (no release confirmed).

NARR ID: 5747466

NARR Code: Pathways Other Hazards

Created By: DCROUSE
Created Date: 11/10/2005
Updated By: DCROUSE
Updated Date: 11/10/2005

Decode for NarcdID: Pathways & Other Hazards

NARR Comments: Site is near the center of downtown Chiloquin and across the street

from a public park/playground.

NARR ID: 5743824

NARR Code: Remedial Action
Created By: DCROUSE
Created Date: 07/15/2003

Updated By: DCROUSE
Updated Date: 01/30/2006

Decode for NarcdID: Remedial Action

NARR Comments: (7/15/03 DMC/SAS) Site screening recommended. (8/25/05 KJR/SAS) Site

information request sent. Response due 9/30/05. (9/26/05 DMC/SAS) Unocal response received. (11/10/05 DMC/SAS) Site is a former petroleum bulk plant that is currently a vacant lot with the building footprints from the former Unocal operation still in place. Site is a high priority for confirmation sampling and Unocal will be given the

Direction Distance

Elevation Site Database(s) EPA ID Number

#### UNION OIL BULK PLANT (FORMER) - CHILOQUIN (Continued)

1006852577

**EDR ID Number** 

option to work with DEQ's Voluntary Cleanup program. (12/12/05 DMC/SAS) Unocal rep called to say he just received the screening packet w/options letter, but needs additional time for historical review; ER/SAS agreed to run the 30-day deadline for a response from 12/12/05 - 1/11/05. (1/3/06 DMC/SAS) Unocal's written response to the DEQ options letter received; Unocal is conducting a limited Phase I and title search to determine if the the former bulk plant was operated by another party that also may be liable. The response time has been extended to 2/15/06. (1/30/06 DMC/SAS) Unocal reponse to DEQ Options Letter dated 1/26/06 received. According to Unocal: <quot>It is our intent to enter this site into the Voluntary Cleanup Program (VCP).<quot>

Administrative Action:

Action ID: 9424

Region: Eastern Region
Complete Date: Not reported

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region Category: Administrative Action

Astica Cada Flam Falsa

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region
Complete Date: 05/11/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action: (

Comments: Not reported

Action ID: 9425

Region: Eastern Region
Complete Date: 11/10/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/26/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE EVALUATION Further Action: 0

Comments: Not reported

Action ID: 9437

Region: Eastern Region

Direction Distance

Elevation Site Database(s) EPA ID Number

### UNION OIL BULK PLANT (FORMER) - CHILOQUIN (Continued)

1006852577

**EDR ID Number** 

Complete Date: 11/10/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/10/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Listing Review completed

Further Action: (

Comments: Not reported

Action ID: 9449

Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/10/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Insufficient information to list Further Action: 0
Comments: Not reported

Action ID: 9505

Region: Eastern Region
Complete Date: 11/10/2005
Rank Value: 98
Cleanup Flag: False
Created Date: 11/10/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Site Confirmatory Sampling recommended

Further Action: High
Comments: Not reported

Action ID: 9521

Region: Eastern Region
Complete Date: 01/30/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/30/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False Action: OPTN

Further Action: 0

Comments: Not reported

Action ID: 9442

Region: Eastern Region Complete Date: 03/01/2006

Direction Distance

Elevation Site Database(s) EPA ID Number

#### UNION OIL BULK PLANT (FORMER) - CHILOQUIN (Continued)

1006852577

**EDR ID Number** 

Rank Value: Not reported Cleanup Flag: False Created Date: 02/10/2006

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: NEGOTIATIONS Further Action: 0

Comments: Not reported

Action ID: 9440

Region: Eastern Region
Complete Date: 03/01/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/03/2008

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False
Action: Letter Agree

Action: Letter Agreement Further Action: 0

Comments: Not reported

Action ID: 9484

Region: Eastern Region
Complete Date: 03/01/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/03/2008

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: REMEDIAL INVESTIGATION

Further Action:

Comments: Not reported

Action ID: 9443

Region: Eastern Region
Complete Date: 02/14/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/02/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: NO FURTHER STATE ACTION REQUIRED

Further Action: 0

Comments: Not reported

Operations:

Operation Id: 134255 Operation Status: Inactive

Common Name: Union Oil Bulk Plant - Chiloquin Yrs of Operation: 1925 to at least 1940s (circa).

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## UNION OIL BULK PLANT (FORMER) - CHILOQUIN (Continued)

1006852577

Comments: Former bulk plant; currently a vacant lot.

11/10/2005 Updated Date: Updated By: **DCROUSE** Decode for OpstatID: Inactive Operations SIC Id: 197551 SIC Code: 5171

Created By: Not reported 12/17/2002 Created Date:

VCS:

UNION OIL BULK PLANT (FORMER) - CHILOQUIN Name: Address: 1ST AVE. & MAPLE ST. (NW CORNER OF)

CHILOQUIN, OR 97624 City,State,Zip:

ECS Site ID: 3065 Facility Size: <1 acre

NO FURTHER STATE ACTION REQUIRED Action:

Start Date: 02/14/2008 End Date: 02/14/2008 Program: VCP 42.574 Latitude: -121.8641 Longitude:

FINDS:

Registry ID: 110014146085

Click Here:

Environmental Interest/Information System:

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental

regulations.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

MAY-SLADE OIL CO/BULK SHELL B13 WNW **123 W CHOCKTOOT ST OR HAZMAT** 

< 1/8 CHILOQUIN, OR 97624

0.050 mi.

263 ft. Site 1 of 2 in cluster B

LUST: Relative:

Lower Name: MAY-SLADE OIL CO/BULK SHELL

Address: 123 W CHOCKTOOT ST Actual: 4190 ft. City,State,Zip: CHILOQUIN, OR 97624

Region: Eastern Region Facility ID: 18-91-0057 Cleanup Received Date: 08/05/1991 Cleanup Start Date: 08/05/1991 Cleanup Complete Date: 01/28/2013 Decode for Region: **East Region** 

HAZMAT:

Name: Not reported

Address: 123 W CHOCKTOOT LUST

S101953665

N/A

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

MAY-SLADE OIL CO/BULK SHELL (Continued)

S101953665

City,State,Zip: CHILOQUIN, OR 97624
Responsble Party: JOHN FAIRDO
RP Company: MAY-SLADE OIL CO.
RP Address: 953 S SPRING

RP City,St,Zip: KLAMATH FALLS, OR 97601

Facility ID: 910423
OERS Number: Not reported

Dept Rsp: CHILOQUIN-AGENCY LK RFPD

Narrative: Not reported Property Loss: Not reported Amount Released: Not reported Service County: Not reported Service Name: Not reported Incident Type: Not reported Civilian Casualty Activity: Not reported Chemical Name: Not reported Hazmat Area Affected: Not reported Hazmat Area Evacuated: Not reported Hazmat Container Type: Not reported Hazmat Physical State Released: Not reported Hazmat Released Into: Not reported Hazmat Released Volume Units: Not reported Hazmat Released Weight Units: Not reported Hazmat Released From: Not reported Not reported Hazmat Area Affected Measurement: Hazmat No. of People Evacuated: Not reported Hazmat No of Buildings Evacuated: Not reported Incident Content Loss: Not reported Civilian Casualty Patient Disposition: Not reported Incident Mixed Use Property: Not reported Location Type: Not reported Incident Aid Given Or Received: Not reported Incident AID Received from FDID: Not reported Incident Aided Department FDID: Not reported

Not reported Person Involved Business Name: Person Involved First Name: Not reported Person Involved Last Name: Not reported Person Involved Type: Not reported Person Involved Phone Number: Not reported Person Involved Primary Language: Not reported Hazmat Evacuated Measurement: Not reported Not reported Hazmat Story of Release: Remark: Not reported

Incident District: CHILOQUIN-AGENCY LK RFPD

 Date Added:
 01/01/1985

 Unit:
 Not reported

 Agency Phone:
 0007832470

 Osfm Incident Report Number:
 910423

Dept. Responding: CHILOQUIN-AGENCY LK RFPD

Person Making Report: DEWAINE HOLSTER

Title: FIRE CHIEF

Agency: CHILOQUIN-AGENCY LK RFPD

 Phone:
 0007832470

 Date Of Incident:
 11/25/1991

 Call Time:
 2:37:00 PM

 In Route:
 12:00:00 AM

 Arrival:
 2:39:00 PM

Direction Distance

Elevation Site Database(s) EPA ID Number

# MAY-SLADE OIL CO/BULK SHELL (Continued)

S101953665

**EDR ID Number** 

 Depart Scene:
 12:00:00 AM

 Back In Quarters:
 12:00:00 AM

 In Service:
 8:00:00 PM

Dist Of Incident: CHILOQUIN-AGENCY LK RFPD

Were State Resources Used?: False Was Oers Notified?: False Oers Number: Not reported Not reported Team Number: Agency Report Number: 91-158 Unit: Not reported Not reported Highway: Mile Post: Not reported Private Land Scene Type: Area Type: Commercial JOHN FAIRDO Responsible Party(les): Company: MAY-SLADE OIL CO.

Respcontact: Not reported
Address: 953 S SPRING
Resp City: KLAMATH FALLS

 Resp State:
 OR

 Resp ZipCode:
 97601

 Phone:
 0008844117

 Resp Phone2:
 0007832311

Weather: 0
Temperature: 0
Wind Speed: 0

Wind Direction: Not reported

Were Haz Materials Released?: True

Operation Performed: During Delivery/Shipment

Cause: Unknown Vehicle And Cargo: 625 Fixed Property: 5000 Total Loss: \$5,625.00 Hazmat Population Density: Not reported HazMat Actions Taken - Description: Not reported Hazmat Factors Contributing To Release: Not reported Hazmat DOT Hazard Classification: Not reported Hazmat CAS Number: Not reported Not reported Hazardous Materials Release: Fire Incident Type: Not reported Property Use: Not reported Latitude: Not reported Longitude: Not reported Not reported Hazmat Disposition:

Chemical:

Chemical Info: 1793
Chemical Id: 13288
Incident Id: 910423
Chemical Name: GASOLINE
UNNA: Not reported

Amount At Risk: 5000
Amount Released: 500
Amount Measured: 2
Biological: False
Radiological: False

Chemical Id: 13288

Direction Distance

Elevation Site Database(s) EPA ID Number

MAY-SLADE OIL CO/BULK SHELL (Continued)

Chemical Name:

GASOLINE

Hazardous Ingredient: PETROLEUM DISTILLATES

Hazardous Class 1: 3.1
Hazardous Class 2: 6.3
Hazardous Rank: 2
Case Number: 8006619

UNNA Number: 1203
EPA Pest Reg: Not reported

EHA Chem: N PSM Chem: N CAA 112R Chem: N

Method:

Method Used Id: 4790 Incident Id: 910423 Identity Method: 5

Released:

Release Behavior Id: 3945 Incident Id: 910423 Behavior: 4

Release Behavior Id: 7256 Incident Id: 910423 Behavior: 10

Narrative:

Narrative Id: 3589 Incident Id: 910423

Incident Narrative: THE TRUCK DRIVER THAT WAS DELIVERING THE GASOLINE TO THE BULK PLANT

PUMPED THE GAS INTO WRONG TANK THERE WAS NO PIPE GOING FROM THE OVERFLOW TO THE CATCH BASIN THE GAS FLOWED TO THE GOUND. THERE WAS APPROX 1 - 1 1/2 HRS HAD PASSED BEFORE WE KNEW OF THE SPILL. THE OWNER DID SEND ONE OF THE EMPLOYEES TO THE FIRE STATION TO INFORM US OF THE SPILL. THE OWNER CONTRACTED DEQ & A CLEAN UP CONTRACTOR BEFORE WE KNEW OF THE INCIDENT. THE INCIDENT OCCURRED IN THE MIDDLE

OF CHILOQUIN.

Incident Date: 11/25/1991

TELEPHONE UTILITIES OF EASTERN OREGON UST U000437576
2ND & YAHOOSKIN N/A

NE 2ND & YAHOOSKIN < 1/8 CHILOQUIN, OR 97624

0.062 mi. 325 ft.

14

Relative: UST: Higher Nar

Name: TELEPHONE UTILITIES OF EASTERN OREGON

 Actual:
 Address:
 2ND & YAHOOSKIN

 4210 ft.
 City:
 CHILOQUIN

 Facility ID:
 3505

Facility ID: 3505 Facility Telephone: (503)259-7260

Permittee Name: STEVE HUDSON, GENERAL PLANT SUPT.

Number of Permitted Tanks: Not reported Active Tanks: Not reported

Decommissioned Tanks: 1

**EDR ID Number** 

S101953665

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

#### **TELEPHONE UTILITIES OF EASTERN OREGON (Continued)**

U000437576

Number of Tanks: 1

B15 UPRR BULK PLANT - CHILOQUIN ECSI \$106044945 WNW 123 CHOCKTOOT ST. VCP N/A

< 1/8 CHILOQUIN, OR 97624

0.063 mi.

331 ft. Site 2 of 2 in cluster B

Relative: ECSI:

Lower Name: UPRR BULK PLANT - CHILOQUIN

Actual:Address:123 CHOCKTOOT ST.4188 ft.City,State,Zip:CHILOQUIN, OR 97624

 State ID Number:
 2435

 Brown ID:
 0

 Study Area:
 False

 Region ID:
 1

 Legislatve ID:
 0

Investigation: No Further Action

FACA ID: 16518 Further Action: 0

Lat/Long (dms): 42 34 38.30 / -121 51 50.00

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 S Township Zone: Range Coord: 7.00 Range Zone: Ε 34 Section Coord: Qtr Section: DC Tax Lots: 1000 Size: Not reported

NPL: False Orphan: False Updated By: **GWISTAR** Update Date: 08/19/2013 Created Date: 11/03/1999 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: No Further Action Decode For Legislative: Not reported Alias Name: Clough Oil Bulk Plant - Chiloquin Alias Name: May-Slade Oil - Chiloquin Bulk Plant Ferrell's Fuel Network Bulk Plant - Chiloquin Alias Name:

Alias Name: Shell Oil Bulk Plant - Chiloquin
Alias Name: Union Pacific Railroad - Chiloquin
Alias Name: -see also LUST 18-91-0057, 18-15-0057

Narrative:

NARR ID: 5738781

NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002

Updated By: BSCHWAR

Updated Date: 07/19/2005

Decode for NarcdID: Contamination

NARR Comments: (11/3/99 DMC/SAS) ER/SAS contacted by UPRR concerning environmental

Direction Distance Elevation

**EPA ID Number** Site Database(s)

# **UPRR BULK PLANT - CHILOQUIN (Continued)**

S106044945

**EDR ID Number** 

activities on property they are leasing to the May-Slade Oil bulk plant. (3/14/03 JPD ER/SAS) Petroleum contamination found during water main repair along S. Klamath Street, SW of site in April 2000. Environmental data summary report prepared by UCI for Clough Oil in June 2000 documented significant petroleum-related contamination in soil and groundwater at the site dating back to 1991. Jim Clough stated that they stopped storing petroleum at the site in March 2003 - still leasing from UPRR using site as office space. (Bob Schwarz, July 18, 2005) The four groundwater monitoring wells at this site were sampled in December 2004 and March 2005. Maximum detected concentrations during these two rounds of monitoring: gasoline: 0.635 mg/l diesel: 1.469 mg/l benzene: 17.2 ug/l ethylbenzene: 65.5 ug/l MTBE: 10.5 ug/l xylenes: 135 ug/l 1,2,4-trimethylbenzene: 44 ug/l 1,3,5-trimethylbenzene: 5.66 ug/l isopropylbenzene: 4.71 ug/l n-propylbenzene: 12.8 ug/l acenaphthene: 0.519 ug/l fluoranthene: 0.227 ug/l fluorene: 1.06 ug/l pheanthrene: 0.431 ug/l pyrene: 0.322 ug/l

NARR ID: 5738782 NARR Code: **Data Sources** Created By: Not reported Created Date: 12/17/2002 Updated By: **BSCHWAR Updated Date:** 07/18/2005 Decode for NarcdID: **Data Sources** 

NARR Comments: 1. LUST database printout. 2. Correspondence from UPRR (8/4/99) data summary report, UCI June 2000. December 2004 Groundwater Monitoring Report, Kennedy/Jenks, March 21, 2005. First Quarter 2005 Groundwater

Monitoring Report, Kennedy/Jenks, May 17, 2005.

NARR ID: 5738783

NARR Code: Hazardous Substance/Waste Types

Created By: Not reported Created Date: 12/17/2002 Updated By: Not reported Updated Date: 12/17/2002

Decode for NarcdID: Hazardous Substance/Waste Types

NARR Comments: petroleum

NARR ID: 5743149

Manner of Release NARR Code:

**JDADOLY** Created By: Created Date: 03/14/2003 Updated By: **JDADOLY** 03/14/2003 **Updated Date:** Decode for NarcdID: Manner of Release NARR Comments: (3/14/03 JPD/SAS) - Past practices.

NARR ID: 5743150

Pathways Other Hazards NARR Code:

Created By: **JDADOLY** Created Date: 03/14/2003 Updated By: **JDADOLY Updated Date:** 03/14/2003

Decode for NarcdID: Pathways & Other Hazards

(3/14/03 JPD/SAS) Shallow groundwater impacted at site, within NARR Comments: several hundred feet of Williamson River, nearby water main impacted

Direction Distance Elevation

Site Database(s) EPA ID Number

#### **UPRR BULK PLANT - CHILOQUIN (Continued)**

S106044945

**EDR ID Number** 

by petroleum contamination.

NARR ID: 5738784

NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002

Updated By: BSCHWAR
Updated Date: 02/01/2013

Decode for NarcdID: Remedial Action

NARR Comments: (11/3/99 DMC/SAS) Site screening recommended; site also has a LUST

file (log #18-91-0057), but the facility is mostly ASTs and should be handled by SAS. (3/13/01 JPD/SAS) Screening completed. A remedial investigation is needed at the site, under a high priority. (3/12/03 JPD/SAS) Activity at site has stalled due to lack of clear ownership - site may belong to Klamath Tribes. Data summary report prepared for Ed Clough, LLC, June 2000, lab data documents petroleum releases to soil and groundwater dating back to 1991. Gasoline, diesel and heavy oil releases. 1/24/05 Bob Schwarz: DEQ reviewed and approved a sampling and analysis plan, submitted by Kennedy/Jenks Consultants and dated June 21, 2004. July 18, 2005, Bob Schwarz: The four groundwater monitoring wells at the site were sampled in December 2004 and March 2005. Results are presented in the Contamination portion of this site narrative. (March 7, 2008, Bob Schwarz) Union Pacfic Railroad has advised DEQ that they plan to contact other responsible parties to share the cost of remaining investigation and, if necessary, cleanup activities. (Nov. 23, 2011, Bob Schwarz) CH2M HILL, on behalf of Union Pacific Railroad, conducted a feasibility study to determine how best to address contamination at the site. The selected remedy involves excavation of approximately 2,160 cubic yards of petroleum-contaminated soil, which would be disposed of at a permitted landfill. DEQ will propose this remedy for public comment during December 2011. The basis for this proposal, and other site information, are described in the attached Record of Decision. The November 2011 feasibility study is also attached. (Jan. 10, 2012, Bob Schwarz) No comments were submitted during the December 2011 public comment period. DEQ signed the Record of Decision on January 6, 2012. (Feb. 1, 2013, Bob Schwarz) The proposed remedial action was conducted between August and October 2012. Based on confirmation sampling, DEQ concluded that residual contamination does not exceed acceptable risk levels. DEQ therefore issued a No Further Action determination on January 28, 2013. A copy of the NFA letter is attached.

NARR ID: 5743133

NARR Code: Site History
Created By: JDADOLY
Created Date: 03/12/2003

Updated By: ECLARK
Updated Date: 06/12/2006

Decode for NarcdID: Site History

NARR Comments: (3/12/03 JPD/SAS) site was thought to be owned by Union Pacific Railroad for many years. UPRR leased site to various operators including Shell Oil, May-Slade Oil. Ed Clough leased site from UPRR March 200 to march 2005. Title search by UPRR apparently indicated that the Klamath Tribes may own property. However, UPRR collected rent on property for several decades and could not produce any evidence to support this claim. (6/12/06) This site is cross

Direction Distance

Elevation Site Database(s) EPA ID Number

# **UPRR BULK PLANT - CHILOQUIN (Continued)**

S106044945

**EDR ID Number** 

referenced to LUST 18-91-0057, assigned to Bob Schwarz.

Administrative Action:

Action ID: 9502

Region: Eastern Region
Complete Date: 03/13/2001
Rank Value: 103
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Remedial Investigation recommended (RI)

Further Action: High
Comments: Not reported

Action ID: 9437

Region: Eastern Region Complete Date: 03/13/2001

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Listing Review completed Further Action: Not reported Comments: Not reported

Action ID: 9449

Region: Eastern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Insufficient information to list Further Action: Not reported Comments: Not reported

Action ID: 9425

Region: Eastern Region Complete Date: 03/13/2001

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

# **UPRR BULK PLANT - CHILOQUIN (Continued)**

S106044945

**EDR ID Number** 

Action ID: 9424

Region: Eastern Region
Complete Date: Not reported

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region Complete Date: 11/03/1999

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action: Not reported Comments: Not reported

Action ID: 9426

Region: Eastern Region
Complete Date: 07/21/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/24/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION

Further Action: 0

Comments: Not reported

Action ID: 9442

Region: Eastern Region
Complete Date: 11/03/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/22/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: NEGOTIATIONS Further Action: 0

Comments: Not reported

Action ID: 9498

Direction Distance

Elevation Site Database(s) EPA ID Number

# UPRR BULK PLANT - CHILOQUIN (Continued)

S106044945

**EDR ID Number** 

Region: Eastern Region
Complete Date: 01/14/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/14/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Proposal for Confirmed Release List recommended

Further Action: 0

Comments: Not reported

Action ID: 9465

Region: Eastern Region
Complete Date: 01/26/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/26/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action

Action Code Flag: False

Action: Facility proposed for Confirmed Release List

Further Action: 0

Comments: Not reported

Action ID: 9428

Region: Eastern Region
Complete Date: 03/15/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/15/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Extension requested by owner/operator

Further Action: 0

Comments: Not reported

Action ID: 9438

Region: Eastern Region
Complete Date: 05/09/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/09/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Facility placed on Confirmed Release List

Further Action: 0

Comments: Not reported

Action ID: 9440

Region: Eastern Region

Direction Distance

Elevation Site Database(s) EPA ID Number

# UPRR BULK PLANT - CHILOQUIN (Continued)

S106044945

**EDR ID Number** 

Complete Date: 01/28/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2008

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Letter Agreement Further Action: 0

Comments: Not reported

Action ID: 9443

Region: Eastern Region
Complete Date: 01/28/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/19/2013

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: NO FURTHER STATE ACTION REQUIRED

Further Action: 0

Comments: Not reported

Action ID: 9417

Region: Eastern Region
Complete Date: 10/31/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/19/2013

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action Action Code Flag: False

Action: Facility delisted from Confirmed Release List

Further Action: 0

Comments: Not reported

Operations:

Operation Id: 133637 Operation Status: Inactive

Common Name: May-Slade Oil - Chiloquin Bulk Plant

Yrs of Operation: 1931 to 2005 (circa).

Comments: Former bulk plant; dismantled.

Updated Date: 07/26/2005
Updated By: DCROUSE
Decode for OpstatID: Inactive
Operations SIC Id: 196854
SIC Code: 5171
Created By: Not reported
Created Date: 12/17/2002

VCS:

Name: UPRR BULK PLANT - CHILOQUIN

Address: 123 CHOCKTOOT ST.

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

**UPRR BULK PLANT - CHILOQUIN (Continued)** 

City, State, Zip: CHILOQUIN, OR 97624

ECS Site ID: 2435
Facility Size: Not reported

Action: NO FURTHER STATE ACTION REQUIRED

 Start Date:
 01/28/2013

 End Date:
 01/28/2013

 Program:
 VCS

 Latitude:
 42.5773

 Longitude:
 -121.8639

C16 MAY-SLADE OIL CO UST U000437568
East 220 W CHOCKFOOT N/A

East 220 W CHOCKFOOT < 1/8 CHILOQUIN, OR 97624

0.072 mi.

382 ft. Site 1 of 3 in cluster C

Relative: UST: Higher Na

Higher Name: MAY-SLADE OIL CO
Actual: Address: 220 W CHOCKFOOT

**4213 ft.** City: CHILOQUIN Facility ID: 10724

Facility Telephone: (503)884-4117
Permittee Name: R L SLADE, PRESIDENT

Number of Permitted Tanks: Not reported

Active Tanks: Not reported Not reported

Decommissioned Tanks: 1 Number of Tanks: 1

C17 AUTO REPAIR - CHILOQUIN ECSI S110638440
East 220 E CHOCKTOOT ST N/A

< 1/8 0.074 mi.

392 ft. Site 2 of 3 in cluster C

CHILOQUIN, OR 97624

Relative: ECSI: Higher Nan

 Higher
 Name:
 AUTO REPAIR - CHILOQUIN

 Actual:
 Address:
 220 E CHOCKTOOT ST

 4212 ft.
 City,State,Zip:
 CHILOQUIN, OR 97624

 State ID Number:
 5389

 Brown ID:
 0

 Study Area:
 False

 Region ID:
 1

 Legislatve ID:
 0

 Investigation:
 Suspect

 FACA ID:
 117331

 Further Action:
 0

Lat/Long (dms): 42 34 37.90 / -121 51 55.40

County Code: 18.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 34.00
Township Zone: S
Range Coord: 7.00
Range Zone: E

Range Zone: E
Section Coord: 34
Qtr Section: DC

S106044945

Direction Distance

Elevation Site Database(s) EPA ID Number

# **AUTO REPAIR - CHILOQUIN (Continued)**

S110638440

**EDR ID Number** 

Tax Lots: Not reported Not reported Size: NPL: False Orphan: False Updated By: **KROBERT** Update Date: 07/26/2012 Created Date: 08/03/2010 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: Suspect Not reported Decode For Legislative:

Narrative:

NARR ID: 5754111

NARR Code: Contamination
Created By: KROBERT
Created Date: 07/26/2012

Updated By: KROBERT
Updated Date: 07/26/2012

Decode for NarcdID: Contamination

NARR Comments: (8/18/10 DMC/SAS) Oregon Department of Transporation (ODOT)

discovered petroleum contamination while sampling for a street

project. See also ECSI 5407

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 08/03/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/03/2010

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region
Complete Date: 08/03/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/03/2010

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action: 0

Comments: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

18 CHILOQUIN AGENCY LAKE FIRE DISTRICT AST S111248037 SSW 156 S 2ND AVE HSIS N/A

SSW 156 S 2ND AVE < 1/8 CHILOQUIN, OR 97624

0.075 mi. 397 ft.

Relative: AST:

Higher Name: CHILOQUIN AGENCY LAKE FIRE DISTRICT

Actual: Address: 156 S 2ND AVE
4196 ft. City,State,Zip: CHILOQUIN, OR 97624

Facility Id: 24557

Hazardous Substance: **BREATHING AIR** Reporting Quantities: Not reported Quantity Units: Not reported Physical State: Not reported Storage 1: Above ground tank Not reported County: Owner-Operator Name: MICHAEL Direct Site Phone: 5417833860 Report Class: Annual Report Year: 2018 Is Poisonous Gas: No Is Poisonous Material: No Is Biological Hazard: No Is Radioactive Material: No Is Explosive: No

Status: Not reported

HSIS:

Name: CHILOQUIN AGENCY LAKE FIRE DISTRICT

Address: 156 S 2ND AVE City, State, Zip: CHILOQUIN, OR 97624

Facility ID: 024557
Department Or Division Of Company: STATION 1
Chemical Is Extremely Hazardous Substance (EHS: N
Contains 112R: N
Facility Has Written Emergency Plan: Y

NAICS Code 1: 922160

NAICS Desc 1: FIRE PROTECTION

000000 NAICS Code 2: NAICS Desc 2: Not reported Manager Name: MICHAEL COOK Business Phone: 5417833860 Mailing Address: **PO BOX 437** Mailing City: **CHILOQUIN** Mailing State: OR Mailing Zip: 97624 No. of Employees: 25

Day Phone: 5417833860

Placard: Y
Fire Dept Code: 0055

FD: CHILOQUIN-AGENCY LK RFPD

Sprinkler System: N

Emergency Contact: MICHAEL COOK

Emergency Procedure: INSIDE OF MAIN ENTRANCE
Business Type: FIRE PROTECTION DISTRICT

Facility Type: Not reported
Department: Not reported
Status: Not reported

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

#### CHILOQUIN AGENCY LAKE FIRE DISTRICT (Continued)

S111248037

Latitude: Not reported Longitude: Not reported Status TRI: Not reported Status RMP: Not reported Status PSM: Not reported Status CR2K: Not reported Not reported Status 302: Owner Name: Not reported Last Reported ID: Not reported Case Number: Not reported Chemical Name: Not reported Not reported EHS Name: Is Pure: Not reported Is Mix: Not reported Is EHS: Not reported Mixture Component: Not reported Maximum Daily Amount Code: Not reported Maximum Daily Amount Unit: Not reported Chemical Added Date: Not reported Is Chem PSM: Not reported Is Chem 112R: Not reported Is Chem 302: Not reported Is Pesticide: Not reported Is Fertilizer: Not reported Not reported Physical State: UNNA Number: Not reported NFPA Health: Not reported NFPA Flammability: Not reported NFPA Reactivity: Not reported NFPA Special Notice: Not reported Not reported Hazards: Number of Days Onsite: Not reported Year: Not reported

Case Number: 7727379

Chemical Name: BREATHING AIR EHS Name: Not reported

Is Pure: No
Is Mix: Yes
Is EHS: Not reported
Mixture Component: Not reported

Maximum Daily Amount Code: 20
Maximum Daily Amount Unit: cuft
Chemical Added Date: 02/20/2017

Is Chem PSM: No Is Chem 112R: No Is Chem 302: No Is Pesticide: No Is Fertilizer: No Physical State: Gas UNNA Number: 1002 NFPA Health: NFPA Flammability: 0 NFPA Reactivity: 0

NFPA Special Notice: Not reported Hazards: Physical Flammable

Number of Days Onsite: 365

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

2018

## CHILOQUIN AGENCY LAKE FIRE DISTRICT (Continued)

S111248037

Chemical:

Year:

Chemical Name: **BREATHING AIR** 

Physical Description: GAS 7727379 Case Number: Facility Id: 024557 Physical State Of The Substance: Average Amount Possessed During The Year Code: 11 Maximum Amount Possessed During The Year Code: 11 Applicable Unit Of Measure Code:

**CUBIC FEET** Description Of The Unit Of Measure: Type Code: **CYLINDER** Description: Type Code: Not reported

Temperature Description: Not reported Pressure of Code:

Pressure Description: **GREATER THAN NORMAL PRESSURE** 

Pressure of Code: Not reported Not reported Pressure Description:

Temperature Description: NORMAL TEMPERATURE

Temperature of The Hazardous Substance Code:

Temperature Description: Not reported Temperature of The Hazardous Substance Code: Not reported Days Hazardous Substance On Site During Year: 365 Is The Substance Protected A Trade Secret: False

Description Of The Max Qnty Code: 500-999 Description Of The Avg Qnty Code: 500-999 **NITROGEN** Most Hazardous Ingridient: United Nations/north America 4 Digit Class Number: 1002 Hazard Rank:

EHS Ingredient: Not reported Substance Pure: False Substance Mix: True

First Hazardous Class Code For Chemical: Non-flammable Gas Second Hazardous Class Code For Chemical: Not reported Third Hazardous Class Code For Chemical: Not reported Hazard Class 1 Of The Chemical: 2.2

Hazard Class 2 Of The Chemical: Not reported Hazard Class 3 Of The Chemical: Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:

EPA Pesticide Registration Number: Not reported

Contains 112R: Contains EHS: Ν Fertilizer: Ν Pesticide: Ν Contains 313: Ν

Direction Distance

Distance EDR ID Number

Elevation Site EDA ID Number

19 UPRR - CHILOQUIN LUST S118140465 NNE 211 N 1ST AVE # 221 N/A

< 1/8 CHILOQUIN, OR 97624

0.076 mi. 400 ft.

Relative: LUST:

 Higher
 Name:
 UPRR - CHILOQUIN

 Actual:
 Address:
 211 N 1ST AVE # 221

 4200 ft.
 City,State,Zip:
 CHILOQUIN, OR 97624

Region: Eastern Region
Facility ID: 18-15-0790
Cleanup Received Date: 05/22/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: Decode for Region: East Region

20 TONY REYES RCRA NonGen / NLR 1015748814 SE 123 SOUTH THIRD STREET RCRA NonGen / NLR 1015748814

SE 123 SOUTH THIRD STREET < 1/8 CHILOQUIN, OR 97624

0.084 mi. 446 ft.

Relative: RCRA NonGen / NLR:

Higher Date Form Received by Agency: 2006-11-17 00:00:00.0

Actual: TONY REYES

4205 ft.Handler Address:123 SOUTH THIRD STREETHandler City, State, Zip:CHILOQUIN, OR 97624

EPA ID: ORSTATE06675 Contact Name: Not reported Contact Address: Not reported Contact City, State, Zip: Not reported Contact Telephone: Not reported Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 10 Land Type: Other

Federal Waste Generator Description:

Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Not reported Accessibility: Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported Mailing Address: Not reported Mailing City, State, Zip: Not reported Owner Name: Not reported Owner Type: Not reported Operator Name: Not reported Operator Type: Not reported

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

**TONY REYES (Continued)** 1015748814

Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

Active Site State-Reg Handler:

Federal Facility Indicator: Not reported Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type: Not reported

2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported Permit Workload Universe: Not reported Permit Progress Universe: Not reported Post-Closure Workload Universe: Not reported Closure Workload Universe: Not reported

202 GPRA Corrective Action Baseline: No Corrective Action Workload Universe: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No TSDFs Only Subject to CA under Discretionary Auth Universe: Nο

Corrective Action Priority Ranking: No NCAPS ranking

**Environmental Control Indicator:** No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Operating TSDF Universe: Not reported

Full Enforcement Universe: Not reported Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No

Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported

Handler Date of Last Change: 2014-06-02 13:28:51.0

Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported Sub-Part P Indicator: Not reported

Historic Generators:

Receive Date: 2006-11-17 00:00:00.0

TONY REYES Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: Nο Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No

Distance Elevation

on Site Database(s) EPA ID Number

TONY REYES (Continued) 1015748814

Spent Lead Acid Battery Exporter:

Current Record:

No
Yes

Non Storage Recycler Activity:

Electronic Manifest Broker:

Not reported

Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported Not reported SEP Actual Date: SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Not reported Paid Amount: Final Count: Not reported Final Amount: Not reported

**Evaluation Action Summary:** 

Evaluation Date: 2006-10-18 00:00:00.0

Evaluation Responsible Agency: State Found Violation: No

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: ORJRI
Evaluation Responsible Sub-Organization: ER
Actual Return to Compliance Date: Not repo

Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported

**EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**TONY REYES (Continued)** 1015748814

Date of Request: Not reported Not reported Date Response Received: Request Agency: Not reported Former Citation: Not reported

D21 **WAMPLER LOGGING ECSI** S108390964

WAMPLER LOGGING

212 N KLAMATH AVE.

NNW 212 N KLAMATH AVE. CHILOQUIN, OR 97624 < 1/8

0.105 mi.

4185 ft.

Site 1 of 2 in cluster D 554 ft.

ECSI: Relative: Lower Name: Address: Actual:

CHILOQUIN, OR 97624 City,State,Zip: State ID Number: 4727 Brown ID: 0 Study Area: False Region ID: 1 Legislatve ID: 0 Investigation: Suspect FACA ID: 97366 Further Action:

Lat/Long (dms): 42 34 40.10 / -121 51 51.50

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S Range Coord: 7.00 Range Zone: Ε Section Coord: 34 Qtr Section: DB

Tax Lots: Not reported Not reported Size: NPL: False Orphan: False Updated By: **GWISTAR** Update Date: 12/31/2012 Created Date: 11/06/2006 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: Suspect Decode For Legislative: Not reported

Narrative:

NARR ID: 5750627 NARR Code: Contamination Created By: **DCROUSE** 07/08/2008 Created Date: Updated By: **DCROUSE Updated Date:** 07/08/2008 Decode for NarcdID: Contamination

NARR Comments: (7/8/08 DMC/SAS) Site referred to ER/SAS by ER/HW. PRP has performed

limited removal action.

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

# WAMPLER LOGGING (Continued)

S108390964

**EDR ID Number** 

NARR ID: 5750628 NARR Code: **Data Sources** Created By: **DCROUSE** Created Date: 07/08/2008 Updated By: **DCROUSE Updated Date:** 07/08/2008 Decode for NarcdID: **Data Sources** NARR Comments: 1. DMC/SAS drivebys (6/18/20).

NARR ID: 5750629

NARR Code: Remedial Action
Created By: DCROUSE
Created Date: 07/08/2008

Updated By: DCROUSE
Updated Date: 07/08/2008

Decode for NarcdID: Remedial Action

NARR Comments: (7/8/08 DMC/SAS) Site screening recommended.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 11/06/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/06/2006

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425

Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/06/2006

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE EVALUATION Further Action: 0

Comments: Not reported

Action ID: 9449

Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/05/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Listing Action
Action Code Flag: False

Action: Insufficient information to list

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

WAMPLER LOGGING (Continued)

S108390964

Further Action:

Not reported Comments:

Action ID: 9508

Region: Eastern Region Complete Date: Not reported Rank Value: Not reported Cleanup Flag: False Created Date: 12/05/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action:

Comments: Not reported

Operations:

Operation Id: 135433 Operation Status: Active

Common Name: Wampler Logging Yrs of Operation: Not reported

Active logging facility. Comments:

**Updated Date:** 07/08/2008 **DCROUSE** Updated By: Decode for OpstatID: Active 198885 Operations SIC Id: SIC Code: 2411 Created By: **DCROUSE** Created Date: 07/08/2008

D22 **WAMPLER LOGGING** RCRA NonGen / NLR 1015748817

212 KLAMATH AVENUE

NNW **212 KLAMATH AVENUE** < 1/8 CHILOQUIN, OR 97624

0.105 mi.

4185 ft.

554 ft. Site 2 of 2 in cluster D

Relative: RCRA NonGen / NLR:

Lower Date Form Received by Agency: 2006-11-20 00:00:00.0

WAMPLER LOGGING Handler Name: Actual: Handler Address:

> Handler City, State, Zip: CHILOQUIN, OR 97624 EPA ID: ORSTATE06678 Contact Name: Not reported Contact Address: Not reported Contact City, State, Zip: Not reported Contact Telephone: Not reported Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported

EPA Region: Land Type: Other

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported

ORSTATE06678

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

# WAMPLER LOGGING (Continued)

1015748817

State District: Not reported Mailing Address: Not reported Mailing City, State, Zip: Not reported Owner Name: Not reported Owner Type: Not reported Operator Name: Not reported Operator Type: Not reported Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No

Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: Nο Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility:
Active Site Converter Treatment storage and Disposal Facility:
Active Site State-Reg Treatment Storage and Disposal Facility:
Active Site State-Reg Handler:
Federal Facility Indicator:

Not reported
--Not reported
--Not reported

Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported

Commercial TSD Indicator:

Treatment Storage and Disposal Type:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Permit Renewals Workload Universe:

Not on the Baseline

Not reported

Not reported

Permit Workload Universe:
Permit Progress Universe:
Post-Closure Workload Universe:
Closure Workload Universe:
Not reported
Not reported
202 GPRA Corrective Action Baseline:
No

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

No Non-TSDFs Where RCRA CA has Been Imposed Universe:

No TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

No TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator:

Institutional Control Indicator:

Human Exposure Controls Indicator:

Groundwater Controls Indicator:

N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported

Not reported

Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported

Handler Date of Last Change: 2014-06-02 13:28:51.0

Recognized Trader-Importer: No Recognized Trader-Exporter: No

Distance Elevation

EDR ID Number
on Site Database(s) EPA ID Number

WAMPLER LOGGING (Continued)

1015748817

Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No

Recycler Activity Without Storage:

Manifest Broker:

Sub-Part P Indicator:

Not reported

Not reported

Not reported

Historic Generators:

Receive Date: 2006-11-20 00:00:00.0

Handler Name: WAMPLER LOGGING

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description:State Statute or RegulationDate Violation was Determined:2006-05-12 00:00:00.0Actual Return to Compliance Date:2006-08-01 00:00:00.0

Return to Compliance Qualifier: Documented

Violation Responsible Agency: State

Scheduled Compliance Date: 2006-07-12 00:00:00.0 Enforcement Identifier: 101

Date of Enforcement Action: 2006-06-08 00:00:00.0

Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: NOTICE OF NONCOMPLIANCE Enforcement Responsible Person: ORJRI

Enforcement Responsible Sub-Organization: ER

SEP Sequence Number:
SEP Expenditure Amount:
SEP Scheduled Completion Date:
SEP Actual Date:
SEP Defaulted Date:
SEP Type:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

WAMPLER LOGGING (Continued)

1015748817

SEP Type Description:

Proposed Amount:

Final Monetary Amount:

Paid Amount:

Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description:Used Oil - GeneratorsDate Violation was Determined:2006-05-12 00:00:00.0Actual Return to Compliance Date:2006-08-01 00:00:00.0

Return to Compliance Qualifier: Documented Violation Responsible Agency: State

Scheduled Compliance Date: 2006-07-17 00:00:00.0

Enforcement Identifier: 101

Date of Enforcement Action: 2006-06-08 00:00:00.0

Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: NOTICE OF NONCOMPLIANCE
Enforcement Responsible Person: ORJRI
Enforcement Responsible Sub-Organization: ER

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description:State Statute or RegulationDate Violation was Determined:2006-05-12 00:00:00.0Actual Return to Compliance Date:2006-08-01 00:00:00.0

Return to Compliance Qualifier: Documented Violation Responsible Agency: State

Scheduled Compliance Date: 2006-07-17 00:00:00.0

Enforcement Identifier: 101

Date of Enforcement Action: 2006-06-08 00:00:00.0

Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported

Map ID Direction MAP FINDINGS

Distance EDR ID Number Elevation Site Database(s) **EPA ID Number** 

## **WAMPLER LOGGING (Continued)**

1015748817

AMPLER LOGGING (Continued)		
	Enforcement Attorney:	Not reported
	Corrective Action Component:	No
	Appeal Initiated Date:	Not reported
	Appeal Resolution Date:	Not reported
	Disposition Status Date:	Not reported
	Disposition Status:	Not reported
	Disposition Status Description:	Not reported
	Consent/Final Order Sequence Number:Not reported	·
	Consent/Final Order Respondent Name:	Not reported
	Consent/Final Order Lead Agency:	Not reported
	Enforcement Type: NOTICE OF NON	COMPLIANCE
	Enforcement Responsible Person:	ORJRI
	Enforcement Responsible Sub-Organization:	ER
	SEP Sequence Number: Not reported	
	SEP Expenditure Amount:	Not reported
	SEP Scheduled Completion Date:	Not reported
	SEP Actual Date:	Not reported
	SEP Defaulted Date:	Not reported
	SEP Type:	Not reported
	SEP Type Description:	Not reported
	Proposed Amount:	Not reported
	Final Monetary Amount:	Not reported
	Paid Amount:	Not reported
	Final Count:	Not reported
	Final Amount:	Not reported
	Found Violation:	No
	Agency Which Determined Violation:	Not reported
	Violation Short Description:	Not reported
	Date Violation was Determined:	Not reported
	Actual Return to Compliance Date:	Not reported
	Return to Compliance Qualifier:	Not reported
	Violation Responsible Agency:	Not reported
	Scheduled Compliance Date:	Not reported
	Enforcement Identifier:	Not reported
	Date of Enforcement Action:	Not reported
	Enforcement Responsible Agency:	Not reported
	Enforcement Docket Number:	Not reported
	Enforcement Attorney:	Not reported
	Corrective Action Component:	Not reported
	Appeal Initiated Date:	Not reported
	Appeal Resolution Date:	Not reported
	Disposition Status Date:	Not reported
	Disposition Status:	Not reported
	Disposition Status Description:	Not reported
	Consent/Final Order Sequence Number:Not reported	
	Consent/Final Order Respondent Name:	Not reported
	Consent/Final Order Lead Agency:	Not reported
	Enforcement Type: Not reported	
	Enforcement Responsible Person:	Not reported
	Enforcement Responsible Sub-Organization:	Not reported
	SEP Sequence Number: Not reported	
	SEP Expenditure Amount:	Not reported
	SEP Scheduled Completion Date:	Not reported
	SEP Actual Date:	Not reported
	SEP Defaulted Date:	Not reported
	SEP Type:	Not reported

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

WAMPLER LOGGING (Continued)

1015748817

SEP Type Description:

Proposed Amount:

Final Monetary Amount:

Paid Amount:

Final Count:

Not reported

**Evaluation Action Summary:** 

Evaluation Date: 2006-05-12 00:00:00.0

Evaluation Responsible Agency: State Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: ORJRI Evaluation Responsible Sub-Organization: ER

Actual Return to Compliance Date: 2006-08-01 00:00:00.0 Scheduled Compliance Date: 2006-07-12 00:00:00.0

Date of Request:

Date Response Received:

Request Agency:

Former Citation:

Not reported

Not reported

Not reported

Not reported

Evaluation Date: 2006-05-12 00:00:00.0

Evaluation Responsible Agency: State Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: ORJRI Evaluation Responsible Sub-Organization: ER

 Actual Return to Compliance Date:
 2006-08-01 00:00:00.0

 Scheduled Compliance Date:
 2006-07-17 00:00:00.0

Date of Request:

Date Response Received:

Request Agency:

Former Citation:

Not reported

Not reported

Not reported

Not reported

Evaluation Date: 2006-05-12 00:00:00.0

Evaluation Responsible Agency: State Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: ORJRI Evaluation Responsible Sub-Organization: ER

 Actual Return to Compliance Date:
 2006-08-01 00:00:00.0

 Scheduled Compliance Date:
 2006-07-17 00:00:00.0

Date of Request:Not reportedDate Response Received:Not reportedRequest Agency:Not reportedFormer Citation:Not reported

Evaluation Date: 2006-10-18 00:00:00.0

Evaluation Responsible Agency: State Found Violation: No

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: ORJRI Evaluation Responsible Sub-Organization: ER

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported

Not reported

Date of Request:

Not reported

Not reported

Not reported

Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

WAMPLER LOGGING (Continued) 1015748817

Request Agency: Not reported Former Citation: Not reported

C23 **KLAMATH COUNTY SCHOOL DISTRICT** AST S111251233

East 131 S 3RD **HSIS** N/A

< 1/8 CHILOQUIN, OR 97624

0.111 mi.

587 ft. Site 3 of 3 in cluster C

Relative: AST: Higher

KLAMATH COUNTY SCHOOL DISTRICT Name:

Address: 131 S 3RD Actual:

City,State,Zip: CHILOQUIN, OR 97624 4230 ft.

Facility Id: 90392 PROPANE Hazardous Substance: Reporting Quantities: Not reported Quantity Units: Not reported Physical State: Not reported Above ground tank Storage 1: County: Not reported Owner-Operator Name: DARIN Direct Site Phone: 5417832321 Report Class: Annual Report Year: 2018 Is Poisonous Gas: No

Is Poisonous Material: No Is Biological Hazard: No Is Radioactive Material: No Is Explosive: No

Status: Not reported

HSIS:

KLAMATH COUNTY SCHOOL DISTRICT Name:

Address: 131 S 3RD

City, State, Zip: CHILOQUIN, OR 97624

Facility ID: 090392 Department Or Division Of Company: Not reported Chemical Is Extremely Hazardous Substance (EHS: Not reported Contains 112R: Not reported Facility Has Written Emergency Plan: Not reported NAICS Code 1: Not reported NAICS Desc 1: Not reported NAICS Code 2: Not reported NAICS Desc 2: Not reported Manager Name: Not reported Business Phone: Not reported Mailing Address: Not reported Mailing City: Not reported Mailing State: Not reported Mailing Zip: Not reported No. of Employees: Not reported

Day Phone: Not reported Placard: Not reported Fire Dept Code: Not reported

CHILOQUIN-AGENCY LAKE RFPD FD:

Sprinkler System: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# KLAMATH COUNTY SCHOOL DISTRICT (Continued)

S111251233

**Emergency Contact:** Not reported **Emergency Procedure:** Not reported Business Type: Not reported Facility Type: Private

CHILOQUIN HS BIG GYM Department:

Status: **ACTIVE** Latitude: 42.5761 Longitude: -121.86 Status TRI: Active Status RMP: Inactive Status PSM: Active Status CR2K: Inactive Status 302: Active

Owner Name: **DARIN MARTINS** 

Last Reported ID: 39212 Case Number: 74986 Chemical Name: **PROPANE** EHS Name: Not reported Is Pure: Yes Is Mix: No

Is EHS: Not reported Mixture Component: Not reported

Maximum Daily Amount Code: Maximum Daily Amount Unit: gal 02/13/2017 Chemical Added Date: Is Chem PSM: No Is Chem 112R: Yes Is Chem 302: No Is Pesticide: No Is Fertilizer: No Physical State: Gas **UNNA Number:** 1978 NFPA Health: 2 NFPA Flammability: 4

Hazards: Health Asphyxiant, Health SkinCorrosion, Physical Combustive, Physical

Flammable

0

Number of Days Onsite: 365 2018 Year:

NFPA Reactivity: NFPA Special Notice:

Case Number: Not reported Chemical Name: Not reported Not reported EHS Name: Is Pure: Not reported Is Mix: Not reported Is EHS: Not reported Mixture Component: Not reported Maximum Daily Amount Code: Not reported Maximum Daily Amount Unit: Not reported Chemical Added Date: Not reported Is Chem PSM: Not reported Is Chem 112R: Not reported Is Chem 302: Not reported Is Pesticide: Not reported Is Fertilizer: Not reported Physical State: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# KLAMATH COUNTY SCHOOL DISTRICT (Continued)

S111251233

**UNNA Number:** Not reported Not reported NFPA Health: NFPA Flammability: Not reported Not reported NFPA Reactivity: NFPA Special Notice: Not reported Not reported Hazards: Number of Days Onsite: Not reported Year: Not reported

Chemical:

**PROPANE** Chemical Name: Physical Description: GAS Case Number: 74986 Facility Id: 090392 Physical State Of The Substance: 3 Average Amount Possessed During The Year Code: 11 Maximum Amount Possessed During The Year Code: 20 Applicable Unit Of Measure Code:

Description Of The Unit Of Measure: **GALLONS** 

Type Code:

Description: **CYLINDER** Type Code: Not reported Temperature Description: Not reported

Pressure of Code:

**GREATER THAN NORMAL PRESSURE** Pressure Description:

Pressure of Code: Not reported Pressure Description: Not reported

Temperature Description: NORMAL TEMPERATURE

Temperature of The Hazardous Substance Code:

Not reported Temperature Description: Temperature of The Hazardous Substance Code: Not reported Days Hazardous Substance On Site During Year: 365 Is The Substance Protected A Trade Secret: False Description Of The Max Qnty Code: 1,000-4,999 Description Of The Avg Qnty Code: 500-999 Most Hazardous Ingridient: **PROPANE** 

United Nations/north America 4 Digit Class Number: 1075 Hazard Rank:

EHS Ingredient: NONE LISTED ON SDS

Substance Pure: True Substance Mix: False

First Hazardous Class Code For Chemical: Flammable Gas Second Hazardous Class Code For Chemical: Acute Health Hazard

Third Hazardous Class Code For Chemical: Not reported

Hazard Class 1 Of The Chemical: 2.1 Hazard Class 2 Of The Chemical: 6.3

Hazard Class 3 Of The Chemical: Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical: Ν

EPA Pesticide Registration Number: Not reported

Contains 112R: Contains EHS: Ν Fertilizer: Ν Pesticide: Ν Contains 313: Ν

Direction Distance

Elevation Site Database(s) EPA ID Number

24 CHOCKTOOT ST. PETROLEUM RELEASES ECSI S110638455
WNW CHOCKTOOT ST. (EAST OF BRIDGE) N/A

1/8-1/4 CHILOQUIN, OR 97624

0.145 mi. 767 ft.

 Relative:
 ECSI:

 Lower
 Name:
 CHOCKTOOT ST. PETROLEUM RELEASES

 Actual:
 Address:
 CHOCKTOOT ST. (EAST OF BRIDGE)

4171 ft. City,State,Zip: CHILOQUIN, OR 97624

 State ID Number:
 5407

 Brown ID:
 0

 Study Area:
 True

 Region ID:
 1

 Legislatve ID:
 0

 Investigation:
 Suspect

 FACA ID:
 117330

 Further Action:
 0

Lat/Long (dms): 42 34 39.40 / -121 51 55.80

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S Range Coord: 7.00 Range Zone: Ε Section Coord: 34

Qtr Section: Not reported Tax Lots: Not reported Size: Not reported NPL: False Orphan: False Updated By: KROBERT Update Date: 07/26/2012 Created Date: 08/18/2010 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: Suspect Decode For Legislative: Not reported

Alias Name: LUST Chiloquin Shell; May-Slade Bulk plants

Narrative:

NARR ID: 5752408

NARR Code: Contamination
Created By: DCROUSE
Created Date: 08/18/2010

Updated By: DCROUSE
Updated Date: 08/18/2010

Decode for NarcdID: Contamination

NARR Comments: (8/18/10 DMC/SAS) Oregon Department of Transporation (ODOT)

discovered petroleum contamination while sampling for a street

project.

NARR ID: 5752409
NARR Code: Data Sources
Created By: DCROUSE
Created Date: 08/18/2010
Updated By: DCROUSE
Updated Date: 08/18/2010

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

# **CHOCKTOOT ST. PETROLEUM RELEASES (Continued)**

S110638455

**EDR ID Number** 

Decode for NarcdID: Data Sources NARR Comments: 1. ODOT referral (8/10).

NARR ID: 5752410

NARR Code: Remedial Action
Created By: DCROUSE
Created Date: 08/18/2010

Updated By: DCROUSE
Updated Date: 08/18/2010

Decode for NarcdID: Remedial Action

NARR Comments: (8/18/10 DMC/SAS) Site discovery in progress.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 08/18/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/18/2010

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region
Complete Date: 08/01/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/26/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action:

Comments: Not reported

Operations:

Operation Id: 135674 Operation Status: Active

Common Name: Chocktoot ST Petroleum Releases

Yrs of Operation: Not reported

Comments: Petroleum from unknown sources.

Updated Date: 08/18/2010
Updated By: DCROUSE
Decode for OpstatID: Active
Operations SIC Id: 199103
SIC Code: 5541
Created By: DCROUSE
Created Date: 08/18/2010

CHILOQUIN, OR 97624

Direction Distance

Elevation Site Database(s) EPA ID Number

25 CLYDE'S FAIRWAY MARKET ECSI S106236725 WNW 323 CHOCKTOOT ST. N/A

1/8-1/4 0.218 mi. 1149 ft.

 Relative:
 ECSI:

 Lower
 Name:
 CLYDE'S FAIRWAY MARKET

 Actual:
 Address:
 323 CHOCKTOOT ST.

 4190 ft.
 City,State,Zip:
 CHILOQUIN, OR 97624

 State ID Number:
 4078

 Brown ID:
 0

 Study Area:
 False

 Region ID:
 1

 Legislatve ID:
 0

 Investigation:
 Suspect

 FACA ID:
 82377

 Further Action:
 259

Lat/Long (dms): 42 34 41.90 / -121 52 .80

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S Range Coord: 7.00 Range Zone: Ε Section Coord: 34 Qtr Section: CA

Tax Lots: Not reported Size: Not reported NPL: False Orphan: False Updated By: **GWISTAR** Update Date: 08/12/2014 Created Date: 03/15/2004 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Medium-Low Decode For Investstat: Suspect Decode For Legislative: Not reported

Narrative:

NARR ID: 5753306
NARR Code: Contamination
Created By: DCROUSE
Created Date: 06/27/2011
Updated By: DCROUSE
Updated Date: 06/27/2011
Decode for NarcdID: Contamination

NARR Comments: (6/27/11 DMC/SAS) Site is a former service station.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 03/15/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/15/2004

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported

**EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# **CLYDE'S FAIRWAY MARKET (Continued)**

S106236725

Category: Administrative Action

Action Code Flag: False

Action: Site added to database Further Action: Not reported Comments: Not reported

9508 Action ID:

Region: Eastern Region Complete Date: 08/12/2014 Rank Value: Not reported Cleanup Flag: False Created Date: 08/12/2014

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Site Screening recommended (EV) Action:

Further Action: Medium-Low Comments: Not reported

Operations:

Operation Id: 134886 Operation Status: Active

Common Name: Clyde's Fairway Market

Yrs of Operation: Not reported Comments: market Updated Date: 03/15/2004 **DCROUSE** Updated By: Decode for OpstatID: Active Operations SIC Id: 198332 SIC Code: 5411 Created By: **DCROUSE** Created Date: 03/15/2004

**CHILOQUIN FOREST PRODUCTS** SEMS-ARCHIVE 1010082210 26 W BLOCKLINGER ST., SSE ORN001002686

1/4-1/2 0.339 mi. 1790 ft.

Relative: SEMS Archive: Higher Site ID:

1002686 EPA ID: ORN001002686 Actual:

CHILOQUIN FOREST PRODUCTS Name: 4218 ft.

W BLOCKLINGER ST., Address:

Address 2: Not reported

City,State,Zip: CHILCOQUIN, OR 97624

Cong District: Not reported FIPS Code: 41035 FF: Ν

NPL: Not on the NPL

Removal Only Site (No Site Assessment Work Needed) Non NPL Status:

SEMS Archive Detail:

CHILCOQUIN, OR 97624

Region: 10 Site ID: 1002686 EPA ID: ORN001002686

Site Name: CHILOQUIN FOREST PRODUCTS

NPL: N

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# **CHILOQUIN FOREST PRODUCTS (Continued)**

1010082210

ECSI S108664244

N/A

FF: Ν OU: 00 Action Code: VS

Action Name: ARCH SITE

SEQ:

Start Date: Not reported Finish Date: 2011-02-15 05:00:00 Not reported Qual: Current Action Lead: EPA Perf In-Hse

Region: 10 Site ID: 1002686 EPA ID: ORN001002686

Site Name: CHILOQUIN FOREST PRODUCTS

NPL: FF: Ν OU: 00 Action Code: RV Action Name: **RMVL** SEQ:

Start Date: 2007-07-08 04:00:00 2007-07-30 04:00:00 Finish Date:

Qual:

Current Action Lead: **EPA Perf** 

27 **ODOT - CHILOQUIN UIC** WNW **46331 CHOCKTOOT ST** 1/4-1/2 CHILOQUIN, OR 97624

0.381 mi. 2013 ft.

ECSI: Relative: Higher

**ODOT - CHILOQUIN UIC** Name: Address: 46331 CHOCKTOOT ST Actual: 4207 ft. City, State, Zip: CHILOQUIN, OR 97624

State ID Number: 4821 Brown ID: 0 Study Area: False Region ID: Legislatve ID: 0 Investigation: Suspect FACA ID: 102583 Further Action:

Lat/Long (dms): 42 34 45.10 / -121 52 10.60

County Code: 18.00 Score Value: Not reported Not reported Cerclis ID: Township Coord.: 34.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 34 Qtr Section: CA

Tax Lots: Not reported Not reported Size: NPL: False Orphan: False

Direction Distance

Elevation Site Database(s) EPA ID Number

# **ODOT - CHILOQUIN UIC (Continued)**

S108664244

**EDR ID Number** 

Updated By: **DCROUSE** 04/08/2008 Update Date: Created Date: 05/23/2007 Decode For RegionID: Eastern Region Decode For BrownID: Not reported Decode For Furtheract: Not reported Decode For Investstat: Suspect Decode For Legislative: Not reported

Narrative:

NARR ID: 5749318
NARR Code: Contamination
Created By: DCROUSE
Created Date: 05/23/2007
Updated By: KROBERT
Updated Date: 05/31/2007
Decode for NarcdID: Contamination

NARR Comments: (5/23/07 DMC/SAS) Report submitted to a dry well removal. (5/31/07

KJR/SAS) One UIC (drywell) was connected to a grease pit floor drain located in the northwest side of the maintenance building. The UIC is believed to have been installed in 1983. Discharge from the fllor drain traveled through oil interceptor prior to discharge in drywell. Drywell extended about 5 feet bgs. Field evidence of contamination. Dry well was overexcavated to a total depth of 11.5 feet. Excavation limited due to building location. About 65 tons of contaminated soil removed and transported to Knott Landfill in Bend. Diesel and heavy oil were detected in confirmation soil samples at levels ranging from 532 mg/kg to 7,040 mg/kg and 1,670 mg/kg to 26,300 mg/kg, respectively.

NARR ID: 5749319

NARR Code: Data Sources

Created By: DCROUSE

Created Date: 05/23/2007

Updated By: DCROUSE

Updated Date: 05/23/2007

Decode for NarcdID: Data Sources

NARR Comments: 1. UIC Decommissioning Report, ODOT Chiloquin Maintenance Station by AMER Earth & Environmental (2/20/07).

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 05/23/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/23/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508

Region: Eastern Region Complete Date: 05/23/2007

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ODOT - CHILOQUIN UIC (Continued)** 

S108664244

Rank Value: Not reported False Cleanup Flag: Created Date: 05/23/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Action: Site Screening recommended (EV)

Further Action:

Comments: Not reported

Operations:

Operation Id: 135287 Operation Status: Inactive

ODOT - Chiloquin UIC Common Name:

Yrs of Operation: Not reported

Comments: Dry well removal at highway maintenance station.

05/23/2007 Updated Date: Updated By: **DCROUSE** Decode for OpstatID: Inactive Operations SIC Id: 198716 1611 SIC Code: Created By: **DCROUSE** Created Date: 05/23/2007

28 CHILOQUIN CHRISTIAN CENTER HEATING OIL RELEASE ECSI S110764088 N/A

1/4-1/2 CHILOQUIN, OR 97624

301 S CHILOQUIN BLVD.

0.481 mi. 2542 ft.

West

Relative: ECSI: Lower

Name: CHILOQUIN CHRISTIAN CENTER HEATING OIL RELEASE

301 S CHILOQUIN BLVD. Address: Actual: City,State,Zip: CHILOQUIN, OR 97624 4191 ft.

State ID Number: 5491 Brown ID: 0 Study Area: False Region ID: 1 Legislatve ID: 0

Investigation: No Further Action

FACA ID: 118905 Further Action:

Lat/Long (dms): 42 34 34.70 / -121 52 19.60

County Code: 18.00 Score Value: Not reported Cerclis ID: Not reported Township Coord.: 34.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 34

Not reported Qtr Section: Tax Lots: 9698;9710;9777 Size: Not reported NPL: False Orphan: False Updated By: **GWISTAR** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN CHRISTIAN CENTER HEATING OIL RELEASE (Continued)

S110764088

**EDR ID Number** 

Update Date: 09/26/2012
Created Date: 02/03/2011
Decode For RegionID: Eastern Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported

Narrative:

NARR ID: 5752783

NARR Code: Contamination
Created By: DCROUSE
Created Date: 02/03/2011

Updated By: DCROUSE
Updated Date: 02/03/2011

Decode for NarcdID: Contamination

NARR Comments: (2/3/11 DMC/SAS) Report forwarded to ER/SAS by consultant for heating

oil release from an aboveground storage tank (AST).

NARR ID: 5752784

NARR Code: Data Sources
Created By: DCROUSE
Created Date: 02/03/2011

Updated By: DCROUSE
Updated Date: 02/03/2011

Decode for NarcdID: Data Sources

NARR Comments: 1. Maul Foster Alongi Focused Investigation (2/1/11).

NARR ID: 5752785

NARR Code: Remedial Action
Created By: DCROUSE
Created Date: 02/03/2011
Updated By: DCROUSE
Updated Date: 06/27/2011
Decode for NarcdID: Remedial Action

NARR Comments: (2/3/11 DMC/SAS) In progress. (6/27/11 DMC/SAS) NFA issued by ER

Tanks.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 02/03/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/03/2011

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425

Region: Eastern Region
Complete Date: 06/23/2011
Rank Value: Not reported
Cleanup Flag: False

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### CHILOQUIN CHRISTIAN CENTER HEATING OIL RELEASE (Continued)

S110764088

Created Date: 02/03/2011

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

SITE EVALUATION Action: Further Action: 0

Comments: Not reported

Action ID: 9443

Region: Eastern Region 06/23/2011 Complete Date: Rank Value: Not reported Cleanup Flag: True 06/23/2011 Created Date:

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

NO FURTHER STATE ACTION REQUIRED Action:

Further Action:

Comments: Not reported

29 **CHILOQUIN FOREST PRODUCTS ECSI** S105613944 SSW **BLOCKLINGER ST (END OF) CRL** N/A 1/2-1 CHILOQUIN, OR 97624 **ENG CONTROLS INST CONTROL** 0.501 mi. **BROWNFIELDS** 2644 ft.

ECSI: Relative:

Lower Name: CHILOQUIN FOREST PRODUCTS **BLOCKLINGER ST (END OF)** Address: Actual: City, State, Zip: CHILOQUIN, OR 97624 4186 ft.

State ID Number: 1213

Brown ID: Brownfield Site - Assistance From Other Public Agencies

Study Area: False Region ID: Legislatve ID: 838

Investigation: Listed on the CRL/Inventory

FACA ID: Further Action:

Lat/Long (dms): 42 34 13.09 / -121 52 4.83

County Code: 18.00 Score Value: Not reported 001002686 Cerclis ID: Township Coord.: 35.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 3 Qtr Section: ΑB

Not reported Tax Lots: 26.34 acres Size: NPL: False Orphan: True Updated By: **MFRISTE** Update Date: 08/01/2018 Created Date: 07/01/1992

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

### **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Decode For RegionID: Eastern Region

Decode For BrownID: Brownfield Site - Assistance from Other Public Agencies

Decode For Furtheract: Not reported

Decode For Investstat: Listed on the CRL/Inventory Decode For Legislative: Orphan Site Account Chiloquin Mill Site Restoration Project Alias Name:

Alias Name: Chiloquin Lumber & Box Co.

Hazardous Release:

Substance ID.: 122012 Haz Release ID: 380744 Qty Released: unknown Date Released: unknown Update Date: 01/23/1997 Update By: Not reported Substance Code: ECD275

Substance Name: TOTAL PETROLEUM HYDROCARBONS (TPH)

Substance Abbrev.: Not reported

Substance Category ID: 8540

Substance Category: Petroleum Related Releases for OSPIRG Report

Category Level: Not reported Created By: Not reported Created Date: 12/17/2002 Substance Category ID: 8540

Petroleum Related Releases for OSPIRG Report Substance Category:

Category Level: Not reported Created By: Not reported Created Date: 12/17/2002

Comment ID: 302823

Release Code: Media Contamination Footnote

Source Areas = chemical storage shed, repair shop, former kiln area Release Comments:

Decode for Relcomcd: Media Contamination Footnote

Sampling Result ID: 342611 Feature Id: Not reported Hazard Release Id: 380744 703 Medium: Substance Abbrev.: Not reported

Not reported Unit Code: Observation: False Owner Operator: False Lab Data: True Not reported Sample Depth:

Start Date: 05/29/1996 End Date: 05/29/1996 Min Concentration: Not reported Max Concentration: Not reported Sample Comment: 310000 ppm (up to)

Last Update By: dmc 10/17/1997 Update Date:

Decode for MediumID: Soil

Substance ID.: 122015 Haz Release ID: 383351 Qty Released: unknown Date Released: unknown Update Date: 01/07/1992 Update By: Not reported Substance Code: ECD282

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Substance Abbrev.: OIL - WASTE
Substance Abbrev.: Not reported

Substance Category ID: 8541

Substance Category: Petroleum Related Releases for OSPIRG Report

Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8541

Substance Category: Petroleum Related Releases for OSPIRG Report

Category Level: Not reported Created By: Not reported Created Date: 12/17/2002

Comment ID: 302824

Release Code: Media Contamination Footnote

Release Comments: oil/diesel observed floating on GW in borehole NE of repair shop

Decode for Relcomcd: Media Contamination Footnote

Sampling Result ID: 342610
Feature Id: Not reported
Hazard Release Id: 383351
Medium: 698
Substance Abbrev.: Not reported

Unit Code:
Observation:
Owner Operator:
Lab Data:
Sample Depth:
Start Date:
Onterported
True
False
False
Not reported
05/29/1996

Start Date: 05/29/1996
End Date: 05/29/1996
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1<quot> (< LNAPL)

Last Update By: dmc Update Date: 10/17/1997 Decode for MediumID: Groundwater

## Narrative:

NARR ID: 5732193

NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002

Updated By: KROBERT
Updated Date: 11/14/2007

Decode for NarcdID: Contamination

NARR Comments: (11/4/92 DJH/SAS) Numerous drums of solvents and various new and used

petroleum-based liquids were left on-site. Many were open-topped, damaged, and stored on bare soil. Significant areas of stained soils were also present at the site. In June 1992, DEQ directed an emergency removal of some contaminated soil, and drummed and containerized liquids. Some contamination (mainly in surface soil) remains at the site. (4/30/03 KJR/SAS) A Targeted Brownfield Assessment (TBA) performed in September 2002 confirmed petroleum contamination at the repair shop and chemical shed as well as west of the kiln building. Pentachlorophenol (PCP) was also detected at high concentrations in one location. Iron and manganese, related to presence of large quantity of wood waste, were also detected in elevated levels in soil and groundwater. A supplemental TBA performed in February 2003 delineated an area of PCP-contaminated soil, and confirmed that iron and manganese were infrequently seeping into the

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Sprague River.

NARR ID: 5732194
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 06/11/2003
Decode for NarcdID: Data Sources

NARR Comments: 1) Rittenhouse-Zeman & Associates Level I Environmental Assessment,

9/91. 2) DEQ Preliminary Assessment 10/92. 3) DEQ Removal Assessment

1/97. 4) Laboratory data. 5) DEQ Targeted Brownfields Assessment

reports, January 2003 and May 2003.

NARR ID: 5732195

NARR Code: Hazardous Substance/Waste Types

Created By: Not reported Created Date: 12/17/2002 Updated By: KROBERT Updated Date: 12/05/2007

Decode for NarcdID: Hazardous Substance/Waste Types

NARR Comments: Petroleum products including cutting oils, lube oils and greases,

gasoline, and diesel; methanol; pentachlorophenol (PCP); iron and

manganese, dioxin

NARR ID: 5732196

NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002

Updated By: Not reported
Updated Date: 12/17/2002

Decode for NarcdID: Site Location

NARR Comments: Located on the southwestern edge of Chiloquin; additional T/R/S data:

3S/7E/3AD.

NARR ID: 5732197

NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release

NARR Comments: Leakage and overflow of drums and other containers; probably some

contamination due to minor dumping and poor waste-handling practices.

Time of release unknown.

NARR ID: 5732198

NARR Code: Site Ownership
Created By: Not reported
Created Date: 12/17/2002

Updated By: GWISTAR
Updated Date: 06/11/2003

Decode for NarcdID: Site Ownership

NARR Comments: Klamath County completed the foreclosure process and is the site's

current owner. DEQ has placed a lien on the property to recover its

investigation and cleanup costs in the early 1990s.

Map ID MAP FINDINGS
Direction

Distance Elevation

on Site Database(s) EPA ID Number

### **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

NARR ID: 5732199

NARR Code: Pathways Other Hazards

Created By: Not reported Created Date: 12/17/2002 Updated By: Not reported Updated Date: 12/17/2002

Decode for NarcdID: Pathways & Other Hazards

NARR Comments: Access to site not restricted; the site is located next to Chiloquin

Elementary School. Foot traffic through the site is common.

NARR ID: 5732200

NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002

Updated By: KROBERT
Updated Date: 10/17/2011

Decode for NarcdID: Remedial Action

NARR Comments: (1/23/97 KAM/SRS) In May 1996, DEQ conducted a Removal Assess. to

determine if the site posed a threat to human health or the environment. DEQ completed 15 soil borings and collected four samples of visibly-stained surface soils, two downstream sediment samples, and five asbestos samples. Three areas of localized contamination were identified: the repair shop area, chemical storage shed area. and the east side of the kiln building. Surface soils in all three areas had visible petroleum contamination, ranging from 130,000 to 310,000 mg/kg TPH. TPH concentrations decreased significantly with depth. A thin layer of oil/diesel product was observed floating on the gw in a borehole northeast of the repair shop. Asbestos fibers were not detected in any of the samples. Site Response has determined that this site is a low priority for further cleanup; however, a number of public safety hazards (abandoned buildings, open pits) exist at the site. (4/30/03 KJR/SAS) All structures except boiler house were removed in 1999 by the county. Following DEQ's phased TBA process, further action is needed at the site, primarily associated with soil removal in specific portions of the site, and removal of landfilled (acidic) wood waste that are liberating ecologically harmful metals into the Sprague River. This further action is a medium priority. (12/10/04 KJR/VCP) The property owner applied for and was awarded an EPA Brownfield Cleanup Grant in June 2004. Four areas of concern have been identified that require cleanup: asbestos abatement and demolition of boiler house, removal of penta- and petroleum-contaminated soil, and removal of wood waste from contact with gw and the Sprague River. An ABCA (equivalent to an FS) has been prepared and is available in draft for public comment. DEQ prepared a staff report accepting proposed remedial actions upon completion of a public comment period. Any public comments will be addressed prior to final acceptance of a remedy. The public comment period ends on December 31, 2004. (4/15/05 KJR/VCP) ROD issued on 1/5/05. Boiler House removal, including asbestos and lead paint abatement as well as removal of penta- and petroleum-contaminated soil, was performed the week of April 11, 2005. (2/14/06 KJR/VCP) Cleanup activities performed to date: abatement of asbestos containing material prior to the demolition of the boiler house, removal of about 300 tons of PCS, and excavation of about 530 tons of penta contaminated soil with minor portion of this soil containing dioxin contaminated soil. Although dioxin was identified during previous investigations, the extent and degree were determined to be very limited. However,

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

#### **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

**EPA ID Number** 

confirmation samples collected after the excavation of the limited dioxin area came back with very high concentrations of dioxins. Several sampling events were performed and elevated levels of dioxins are present and the full extent has not yet been delineated. The site was declared an Orphan in order to perform off-site dioxin sampling. (9/13/07 KJR/VCP) Based on the emergence of dioxins and furans (dioxins) as the primary COPC remaining at the site, an addendum to the ABCA was prepared in September 2006 to recommend a remedial action for the dioxins located on-site. Reasonably likely future site uses include housing, recreation, and commercial development. The most likely potential exposure pathways would be direct contact with contaminated soils. RAOs were defined to address the unacceptable risks posed by dioxins in soils on the site and include: 1) prevent direct human contact to dioxin contaminated soils that pose an unacceptable risk; 2) prevent migration of dioxin contaminated soils from the site associated with wind and surface water erosion; 3) remediate hot spots of dioxin contaminated soils to the extent feasible; 4) implementing only those alternatives that allow for redevelopment of the property to occur. The cleanup goal for dioxin contaminated soil is 3.9 ng/kg, expressed as a 2,3,7,8-TCDD TEQ concentration. This cleanup goal is the RBC for residential soil and represents a 1 x 10-6 excess cancer risk level for human exposure to individual carcinogens (dioxin congeners). A cleanup goal of 39 ng/kg as 2,3,7,8-TCDD TEQ represents a 1 x 10-5 excess cancer risk level for human residential exposure to multiple congeners. For future commercial workers at the site, the cleanup goal is 16 ng/kg. For future construction workers the cleanup goal is 130 ng/kg. These cleanup goals are based on a 1 x 10-6 excess cancer risk level for human exposure to individual congeners. In November 2006, DEQ selected the cleanup alternative recommended for dioxin contaminated soils at the site, a protective cover and deed restriction The ROD amendment was approved by the Director on November 7, 2006. Due to lack of funding to implement the selected remedial action, DEQ requested EPA implement the Remedial Action at the site in January 2007. EPA approved the action and completed the removal action in July 2007. Their work included removing vegetation, breaking up asphalt pavement and concrete foundations, spreading a minimum of one foot of soil over approximately 16.1 acres of the site, spreading wood waste along the northern and western portions of the cap, and installing a gate and rock barrier to limit site access. Soil was obtained from an on-site stockpile from a ODOT road cut (after screening to remove boulders) and imported from a local source. A HHRA was completed to evaluate potential risks to people from exposure to surface soil with dioxins, that may have originated from the mill site, at off-site properties east and northeast of the former mill site. Specially, potential exposures would involve direct contact with dioxin in surface soil by residents and school children. Additional samples were collected and analyzed for dioxins from the northeast residential area and the schoolyards in February 2007 to supplement existing data to better calculate risks in particular areas and to further delineate the extent of dioxin contamination. The dioxin data were segregated into the three areas (Schoolyards, Northeast City, and East City) for evaluation based on use and location relative to the site. Potential human receptors to dioxin contamination were identified as school children in the Schoolyards, and residents in the Northeast City and East City. School employees. construction, and excavation workers were also identified; risks to

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

### **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

**EPA ID Number** 

these workers were assessed on a qualitative basis. The dioxin data for each of these three areas was evaluated in accordance with standard risk assessment protocols. Individual dioxin and furan compounds (i.e., congeners) were screened against RBC, adjusted as appropriate by toxicity equivalence factors, to identify COPCs. EPCs were calculated for identified COPCs for both RME and CTE exposure scenarios. Individual and cumulative risk estimates were then calculated and compared to the DEQ s acceptable risk levels of 1 x 10-6 and 1 x 10-5 for individual and multiple carcinogens, respectively. Risk estimates indicated that penta-chlorinated dibenzo-p-dioxin (PeCDD) posed an unacceptable risk (2 x 10-6) at the Schoolyard under an RME scenario; however, further data evaluation suggested that PeCDD was not related to site impacts, but possibly to use of herbicide application (e.g., 2,4-D). PeCDD also posed a slight risk to school employees. The cumulative RME excess lifetime cancer risk to residents in the Northeast City (2 x 10-5) also exceeded acceptable risk levels. On an individual basis, five congeners exceeded acceptable risks (up to 7 x 10-5). Review of the data indicated that one sample, 353AB-5, with relatively high dioxin concentrations may have resulted in these unacceptable risks. Risks to other human receptors are considered acceptable. The removal of sample 353AB-5 (through a remedial action) from the Northeast City data set resulted in acceptable residual risk levels on an individual and cumulative basis. The remedial action related to sample 353AB-5 is scheduled to be completed in September 2007. Based on the above results, further risk evaluation was performed to refine the understanding of potential unacceptable risks. At the Schoolyard, the percentage of PeCDD was statistically different than surrounding areas, suggesting another source such as herbicide application. Removal of this herbicide contribution yielded an acceptable risk level for PeCDD (5 x 10-7) to school children and employees. (11/13/07 KJR/ORP) Approximately 30 tons of dioxin contaminated soil was removed from the vicinity of sample 353AB-5 in September 2007. The area was defined through previous sampling events and confirmation samples were not collected. In addition to the removal of dioxin contaminated soil, approximately 500 tons of solid waste (from illegal dumping) stockpiled during the construction of the soil cap were removed and either recycled or transported to a solid waste landfill for disposal. During the 2007 Remedial Action, the majority of the wood waste located on the log deck was spread out in a thin layer (<3 inches) onto the soil cap and worked into the cap with heavy equipment to prevent erosion of the cap. The wood waste remains along the bank of Sprague River & may extend between 10 feet to 15 feet. Some wood waste remains on the log deck area near the river. The wood waste along the Sprague River is primarily located above the river s high water mark. The clean up of wood waste and restoration of the stream bank will be tracked under ECSI # 4885. (11/28/07 KJR/VCP) E&ES has been signed by County and was recorded on 11-6-07. (12/4/07 KJR/VCP) Public comment period ended. No comments received. CNFA issued on 12/4/07; this letter is available online for review and download. (10/17/11 KJR/SAS) Annual inspections of cap have been performed in 2008, 2009, 2010, 2011

 NARR ID:
 5749865

 NARR Code:
 1922

 Created By:
 KROBERT

 Created Date:
 11/14/2007

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

Updated By: GWISTAR
Updated Date: 12/07/2007

Decode for NarcdID: Current Site Summary Statement

NARR Comments: [Dec. 2007] Based on site investigations and remedial actions

performed to date, DEQ has made a Conditional No Further Action determination. The conditions are described in the Easement &

Equitable Servitude document posted on this page.

Site Control:

 Site Control #:
 484

 Control Number:
 3

 Begin Date:
 11/06/2007

End Date: Not reported

Frequency Of Review: 60

Last Reviewed By: Katie Robertson
Last Reviewed Date: 11/06/2007
Last Update By: GWISTAR
Last Updated Date: 12/29/2016

Site Comment: Owner shall not extract through wells or by other means or use the

groundwater from the shallow aquifer at the Property for consumption

or other beneficial use, as long as the hazardous substance

concentrations exceed the acceptable risk level for such use Except in accordance with the Continuing Obligations Plan, Owner shall not conduct operations on the Property or use the Property in any way that

will or likely will penetrate the soil cap or jeopardize the soil cap's protective function as an engineering control that prevents exposure to contaminated soil, including without limitation any excavation, drilling, scraping, or erosion. The non-engineeed cap is on annual inspection cycle, while the E&ES itself is on a 5 year

cycle.

Site Control #: 485 Control Number: 37

Begin Date: 08/06/2007 End Date: Not reported

Frequency Of Review: 12

Last Reviewed By: Katie Robertson
Last Reviewed Date: 09/06/2008
Last Update By: KROBERT
Last Updated Date: 10/02/2008

Site Comment: one foot of soil over approximately 16.1 acres of the site Cap

inspected in Sept. 2008. no repairs needed

Permit:

Permit Agency: DEQ
Permit Number: 1213
Permit Type: WQ GEN12T
Comments: Not reported

Permit Agency: DEQ Permit Number: 1213

Permit Type: WQ GEN12T Comments: Not reported

Permit Agency: DEQ Permit Number: 1213

Permit Type: WQ GEN12T Comments: Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

## CHILOQUIN FOREST PRODUCTS (Continued)

S105613944

**EDR ID Number** 

Administrative Action:

Action ID: 9437
Region: Headquarters
Complete Date: 05/26/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action
Action Code Flag: False

Action: Listing Review completed Further Action: Not reported Comments: Not reported

Action ID: 9437
Region: Headquarters
Complete Date: 11/05/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Listing Review completed Further Action: Not reported Comments: Not reported

Action ID: 9492

Region: Headquarters
Complete Date: 01/08/1997
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: REMOVAL ASSESSMENT Further Action: Not reported Comments: Not reported

Action ID: 9504

Region: Headquarters Complete Date: 01/23/1997

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: Removal Action Recommended (RM)

Further Action: Low Comments: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

Action ID: 9448 Region:

Headquarters Complete Date: 03/23/1993 Rank Value: 0 Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Review for final listing Further Action: Not reported Comments: Not reported

Action ID: 9424

Region: Headquarters Complete Date: Not reported Rank Value:

Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters Administrative Action Category: Action Code Flag: False

Action: Site added to database Further Action: Not reported Comments: Not reported

9491 Action ID: Headquarters Region: Complete Date: 06/15/1992

Rank Value: 0 Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Headquarters Decode for RegionID:

Remedial Action Category:

Action Code Flag: False Action: REMOVAL

Further Action: Not reported Comments: Not reported

Action ID: 9425

Region: Headquarters Complete Date: 05/25/1992 Rank Value: 0 Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Remedial Action Category:

Action Code Flag: False

SITE EVALUATION Action: Further Action: Not reported Comments: Not reported

Action ID: 9449

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Region: Headquarters
Complete Date: 11/04/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Insufficient information to list Further Action: Not reported Comments: Not reported

Action ID: 9496
Region: Headquarters
Complete Date: 05/27/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: State Basic Preliminary Assessment recommended (PA)

Further Action: Not reported Comments: Not reported

Action ID: 9426

Region: Eastern Region Complete Date: 03/09/1994

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION

Further Action: Not reported Comments: Not reported

Action ID: 9426
Region: Headquarters
Complete Date: 10/28/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION

Further Action: Not reported Comments: Not reported

Action ID: 9503

Region: Headquarters

Direction Distance

Elevation Site Database(s) EPA ID Number

## CHILOQUIN FOREST PRODUCTS (Continued)

S105613944

**EDR ID Number** 

Complete Date: 10/29/1992
Rank Value: 0
Cleanup Flag: True
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: Remedial Investigation/Feasibility Study recommended

Further Action: Not reported Comments: Not reported

Action ID: 9501

Region: Eastern Region Complete Date: 03/10/1994

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Remedial Action recommended (RA)

Further Action: Medium
Comments: Not reported

Action ID: 9517
Region: Headquarters
Complete Date: 05/01/1996
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: SRS Waiting List Further Action: 0

Comments: Not reported

Action ID: 9498
Region: Headquarters

Complete Date: 11/05/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action

Action Code Flag: False

Action: Proposal for Confirmed Release List recommended

Further Action: Not reported Comments: Not reported

Action ID: 9499
Region: Headquarters
Complete Date: 11/05/1992

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

0 Rank Value: Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Proposal for Inventory recommended

Further Action: Not reported Comments: Not reported

Action ID: 9465 Region: Headquarters Complete Date: 01/20/1993 Rank Value:

Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Listing Action Category: Action Code Flag: False

Action: Facility proposed for Confirmed Release List

Not reported Further Action: Comments: Not reported

Action ID: 9467 Region:

Headquarters Complete Date: 01/20/1993 Rank Value: Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Facility proposed for Inventory Action: Further Action: Not reported Comments: Not reported

Action ID: 9488 Region: Headquarters

Complete Date: 03/24/1993 Rank Value: 0 Cleanup Flag: False Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Listing on Confirmed Release List recommended Action:

Further Action: Not reported Comments: Not reported

Action ID: 9489 Region: Headquarters Complete Date: 03/24/1993

Rank Value:

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

**EDR ID Number** 

S105613944

Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Listing on Inventory recommended

Further Action: Not reported Comments: Not reported

Action ID: 9439
Region: Headquarters
Complete Date: 04/15/1993

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Headquarters
Complete Date: 04/15/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Listing Action Action Code Flag: False

Action: Facility placed on Confirmed Release List

Further Action: Not reported Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 10/29/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Headquarters

Category: Remedial Action

Action Code Flag: False

Action: BASIC PRELIMINARY ASSESSEMENT

Further Action: Not reported Comments: Not reported

Action ID: 9518

Region: Eastern Region
Complete Date: 05/27/2003
Rank Value: Not reported
Cleanup Flag: False

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

Created Date: 04/30/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: TARGETED BROWNFIELD ASSESSMENT

Further Action: (

Comments: Not reported

Action ID: 9501

Region: Eastern Region
Complete Date: 05/27/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/27/2003

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Remedial Action recommended (RA)

Further Action: Medium
Comments: Not reported

Action ID: 9440

Region: Eastern Region
Complete Date: 09/22/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/10/2004

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Letter Agreement Further Action: 0

Comments: Not reported

Action ID: 9429

Region: Eastern Region
Complete Date: 01/03/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/10/2004

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: FEASIBILITY STUDY Further Action: 0

Comments: Not reported

Action ID: 9494

Region: Eastern Region
Complete Date: 01/05/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/15/2005

**EDR ID Number** 

S105613944

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: RECORD OF DECISION

Further Action: (

Comments: Not reported

Action ID: 9469

Region: Eastern Region
Complete Date: 10/31/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/15/2005

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: REMEDIAL ACTION Further Action: 0

Comments: Not reported

Action ID: 9453

Region: Eastern Region
Complete Date: 12/04/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/10/2006

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: ORPHAN SITE Further Action: 0

Comments: Not reported

Action ID: 9509 Region: 0

Complete Date: 08/15/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/14/2007

Decode for AgencyID: Environmental Protection Agency

Decode for RegionID: Not reported

Category: EPA Led Action

Action Code Flag: False

Action: EPA Removal Action Further Action: 0

Comments: Not reported

Action ID: 9494

Region: Eastern Region
Complete Date: 11/07/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/14/2007

Decode for AgencyID: Department of Environmental Quality

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: RECORD OF DECISION

Further Action: (

Comments: Not reported

Action ID: 9486

Region: Eastern Region
Complete Date: 07/13/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/14/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: RISK ASSESSMENT

Further Action: 0

Comments: Not reported

Action ID: 9429

Region: Eastern Region
Complete Date: 09/28/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/14/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: FEASIBILITY STUDY

Further Action: 0

Comments: Not reported

Action ID: 9434

Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/28/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: Institutional Control Further Action: 0

Comments: Not reported

Action ID: 9422

Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/28/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

Category: Remedial Action

Action Code Flag: False

Action: **Engineering Control** Further Action:

Comments: Not reported

9411 Action ID:

Region: Eastern Region Complete Date: 12/04/2007 Rank Value: Not reported Cleanup Flag: False Created Date: 12/04/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

No Further Action (Conditional) Action:

Further Action:

Comments: Not reported

Action ID: 9466

Region: Eastern Region Complete Date: 09/06/2008 Rank Value: Not reported Cleanup Flag: False Created Date: 10/08/2009

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Periodic Review Action: Further Action:

Comments: Not reported

Operations:

Operation Id: 132523 **Operation Status:** Inactive

Common Name: Chiloquin Forest Products Yrs of Operation: 1918 to 8/91

Comments: Lumber mill. Updated Date: 02/20/2002 Updated By: kjr Decode for OpstatID: Inactive Operations SIC Id: 195647 SIC Code: 2421 Created By: Not reported

12/17/2002 Created Date:

CRL:

CHILOQUIN FOREST PRODUCTS Name: BLOCKLINGER ST (END OF) Address: City,State,Zip: CHILOQUIN, OR 97624

Facility ID: 1213 Location ID: 5977 Status Code: LIS

Facility Status: No Further Action (Conditional)

Lat/Long: 42.5703 / -121.8679

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

**EDR ID Number** 

**Enginering Control:** 

Name: CHILOQUIN FOREST PRODUCTS
Address: BLOCKLINGER ST (END OF)
City,State,Zip: CHILOQUIN, OR 97624

Site Control Sequence #: 485 Site Id: 1213 Control Sequence #: 37

Begin Date: 08/06/2007 End Date: Not reported

Frequency Of Review: 12

Last Reviewed By: Katie Robertson
Last Review Date: 09/06/2008
Last Updated By: KROBERT
Last Updated Date: 10/02/2008

Group Sequence #: 9
Control Code: 9
CPNE

Control Description: Cap, non-engineered

FK Type Code: 2 Group Code: SB

Group Description: Surface Barriers

Type Code: E

Type Description: Engineering

Comments: one foot of soil over approximately 16.1 acres of the site Cap

inspected in Sept. 2008. no repairs needed

Institutional Control:

Name: CHILOQUIN FOREST PRODUCTS
Address: BLOCKLINGER ST (END OF)
City,State,Zip: CHILOQUIN, OR 97624

Site Control Sequence #: 484
Site Id: 1213
Control Sequence #: 3

Begin Date: 11/06/2007 End Date: Not reported

Frequency Of Review: 60

Last Reviewed By: Katie Robertson
Last Review Date: 11/06/2007
Last Updated By: GWISTAR
Last Updated Date: 12/29/2016

Group Sequence #: 2 Control Code: EES

Control Description: Easement Equitable Servitude

FK Type Code:

Group Code:

Group Description:

Type Code:

Type Description:

Institutional

Comments: Owner shall not extract through wells or by other means or use the

groundwater from the shallow aquifer at the Property for consumption or other beneficial use, as long as the hazardous substance concentrations exceed the acceptable risk level for such use Except in accordance with the Continuing Obligations Plan, Owner shall not

conduct operations on the Property or use the Property in any way that

will or likely will penetrate the soil cap or jeopardize the soil cap's protective function as an engineering control that prevents exposure to contaminated soil, including without limitation any

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **CHILOQUIN FOREST PRODUCTS (Continued)**

S105613944

excavation, drilling, scraping, or erosion. The non-engineeed cap is on annual inspection cycle, while the E&ES itself is on a 5 year cycle.

OR BROWNFIELDS:

CHILOQUIN FOREST PRODUCTS Name: **BLOCKLINGER ST (END OF)** Address: CHILOQUIN, OR 97624 City, State, Zip:

Geolocation Id: 5977

Status: No Further Action (Conditional)

Lat/Long: 42.5703 / -121.867

30 **CHILOQUIN FOREST PRODUCTS (FORMER) - WOOD WASTE** SW **BLOCKLINGER ST (WEST END OF)** 

**ECSI** S108834144

**BROWNFIELDS** N/A

CHILOQUIN, OR 97624 1/2-1

0.576 mi. 3041 ft.

Relative: ECSI:

CHILOQUIN FOREST PRODUCTS (FORMER) - WOOD WASTE Lower Name:

Address: BLOCKLINGER ST (WEST END OF) Actual:

City, State, Zip: CHILOQUIN, OR 97624 4174 ft.

State ID Number: 4885

Brownfield Site - DEQ Tech Assistance Brown ID:

Study Area: False Region ID: Legislatve ID: 838 Investigation: Suspect FACA ID: 104752 Further Action:

Lat/Long (dms): 42 34 14.50 / -121 52 16.00

County Code: 18.00 Score Value: Not reported Not reported Cerclis ID: Township Coord.: 35.00 Township Zone: S 7.00 Range Coord: Range Zone: Ε Section Coord: 3 Qtr Section: ΑB

Tax Lots: Not reported Not reported Size: NPL: False Orphan: False Updated By: **KROBERT** Update Date: 07/11/2013 10/08/2007 Created Date: Eastern Region Decode For RegionID:

Decode For BrownID: Brownfield Site - DEQ Technical Assistance

Decode For Furtheract: Not reported Decode For Investstat: Suspect

Decode For Legislative: Orphan Site Account

Narrative:

NARR ID: 5754764 NARR Code: Contamination **KROBERT** Created By: Created Date: 07/11/2013

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHILOQUIN FOREST PRODUCTS (FORMER) - WOOD WASTE (Continued)

S108834144

**EDR ID Number** 

Updated By: KROBERT
Updated Date: 07/11/2013
Decode for NarcdID: Contamination

NARR Comments: (7/11/13 KJR/SAS) Wood waste generated during the mills operation

accumulated in two primary areas: along 600 feet of the Sprague River bank and the log deck. An estimated 26,000 cubic yards of wood waste are estimated to be present on the site. The wood waste may extend between 10 feet to 15 feet along the Sprague River and was about 2 feet thick on the log deck area. The wood waste along the Sprague River is primarily located above the river s high water mark. The wood waste material is not contaminated by hazardous substances, however thick deposits of wood waste can results in acidic conditions and/or an oxygen-reducing environment that mobilizes iron and manganese from soil through rainfall infiltration or groundwater contact. This results in infrequent iron and manganese leaching into the Sprague River during high water and heavy rain periods. Leaching of iron and manganese has only been documented during one sampling event performed in February 2003. During the 2007 Remedial Action (see ECSI 1213), the majority of the wood waste located on the log deck was spread out in a thin layer (<3 inches) onto the soil cap and worked into the cap with heavy equipment to prevent erosion of the cap. The wood waste along the Sprague River bank remains.

Administrative Action:

Action ID: 9424
Region: Not reported
Complete Date: 10/08/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Not reported Category: Administrative Action

Action Code Flag: False

Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9518

Region: Eastern Region
Complete Date: 05/27/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2007

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

Action: TARGETED BROWNFIELD ASSESSMENT

Further Action: 0

Comments: Not reported

Action ID: 9494

Region: Eastern Region
Complete Date: 01/05/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2007

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## CHILOQUIN FOREST PRODUCTS (FORMER) - WOOD WASTE (Continued)

S108834144

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Category: Remedial Action

Action Code Flag: False

RECORD OF DECISION Action:

Further Action:

Comments: Not reported

Action ID: 9470

Region: Eastern Region 01/05/2005 Complete Date: Rank Value: Not reported Cleanup Flag: False Created Date: 12/11/2012

Decode for AgencyID: Department of Environmental Quality

Decode for RegionID: Eastern Region

Remedial Action Category:

Action Code Flag: False

Action: Other remedial or investigative action recommended

Further Action: 0

Not reported Comments:

OR BROWNFIELDS:

CHILOQUIN FOREST PRODUCTS (FORMER) - WOOD WASTE Name:

BLOCKLINGER ST (WEST END OF) Address:

CHILOQUIN, OR 97624 City,State,Zip:

Geolocation Id: 104752

Status: Other remedial or investigative action recommended

Lat/Long: 42.5707 / -121.871 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: 12/30/2020 Source: EPA
Date Data Arrived at EDR: 01/14/2021 Telephone: N/A

Number of Days to Update: 26 Next Scheduled EDR Contact: 07/12/2021
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: 12/30/2020 Source: EPA
Date Data Arrived at EDR: 01/14/2021 Telephone: N/A

Number of Days to Update: 26 Next Scheduled EDR Contact: 07/12/2021
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: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/09/2021

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019 Date Data Arrived at EDR: 04/05/2019 Date Made Active in Reports: 05/14/2019

Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 03/30/2021

Next Scheduled EDR Contact: 07/12/2021 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: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/18/2021

Number of Days to Update: 35

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 04/26/2021 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: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/18/2021

Number of Days to Update: 35

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 04/26/2021 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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: Environmental Protection Agency

Telephone: (206) 553-1200 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: Environmental Protection Agency

Telephone: (206) 553-1200 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: Environmental Protection Agency

Telephone: (206) 553-1200 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

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

Date of Government Version: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: Environmental Protection Agency

Telephone: (206) 553-1200 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

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

Date of Government Version: 02/09/2021 Date Data Arrived at EDR: 02/11/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 39

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/08/2021

Next Scheduled EDR Contact: 05/24/2021 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: 10/28/2020 Date Data Arrived at EDR: 11/05/2020 Date Made Active in Reports: 11/18/2020

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/23/2021

Next Scheduled EDR Contact: 06/06/2021 Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/28/2020 Date Data Arrived at EDR: 11/05/2020 Date Made Active in Reports: 11/18/2020

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/23/2021

Next Scheduled EDR Contact: 06/06/2021

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: 12/14/2020 Date Data Arrived at EDR: 12/15/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 7

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/15/2020

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

### State- and tribal - equivalent CERCLIS

ECSI: Environmental Cleanup Site Information System

Sites that are or may be contaminated and may require cleanup.

Date of Government Version: 12/01/2020 Date Data Arrived at EDR: 12/23/2020 Date Made Active in Reports: 03/15/2021

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 503-229-6629 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Quarterly

CRL: Confirmed Release List and Inventory All facilities with a confirmed release.

Date of Government Version: 11/01/2020 Date Data Arrived at EDR: 11/11/2020 Date Made Active in Reports: 01/28/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 503-229-6170 Last EDR Contact: 02/10/2021

Next Scheduled EDR Contact: 05/24/2021 Data Release Frequency: Quarterly

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

SWF/LF: Solid Waste Facilities List

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: 09/29/2020 Date Data Arrived at EDR: 09/30/2020 Date Made Active in Reports: 12/18/2020

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 503-229-6299 Last EDR Contact: 01/11/2021

Next Scheduled EDR Contact: 04/26/2021 Data Release Frequency: Semi-Annually

### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Database

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

Date of Government Version: 10/07/2020 Date Data Arrived at EDR: 11/11/2020 Date Made Active in Reports: 01/28/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 503-229-5790 Last EDR Contact: 02/10/2021

Next Scheduled EDR Contact: 05/24/2021 Data Release Frequency: Quarterly

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

Date of Government Version: 11/12/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

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: 10/01/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

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: 10/09/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020 Date Data Arrived at EDR: 12/22/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 10/02/2020 Date Data Arrived at EDR: 12/18/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 84

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

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

Date of Government Version: 10/01/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 04/08/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 01/29/2021 Date Data Arrived at EDR: 02/17/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 33

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 04/05/2021

Next Scheduled EDR Contact: 07/19/2021 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: 10/07/2020 Date Data Arrived at EDR: 11/11/2020 Date Made Active in Reports: 01/28/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 503-229-5815 Last EDR Contact: 02/10/2021

Next Scheduled EDR Contact: 05/24/2021 Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks

Aboveground storage tank locations reported to the Office of State Fire Marshal.

Date of Government Version: 02/26/2020 Date Data Arrived at EDR: 02/27/2020 Date Made Active in Reports: 05/05/2020

Number of Days to Update: 68

Source: Office of State Fire Marshal Telephone: 503-378-3473 Last EDR Contact: 01/13/2021

Next Scheduled EDR Contact: 05/10/2021 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: 10/09/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 10/02/2020 Date Data Arrived at EDR: 12/18/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 84

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 11/12/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/15/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020 Date Data Arrived at EDR: 12/16/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 86

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 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: 04/08/2020 Date Data Arrived at EDR: 05/20/2020 Date Made Active in Reports: 08/12/2020

Number of Days to Update: 84

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/30/2020 Date Data Arrived at EDR: 12/22/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/16/2020

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Recorded at ESCI Sites

Engineering controls are physical measures selected or approved by the Director for the purpose of preventing or minimizing exposure to hazardous substances. Engineering controls may include, but are not limited to, fencing, capping, horizontal or vertical barriers, hydraulic controls, and alternative water supplies.

Date of Government Version: 12/01/2020 Date Data Arrived at EDR: 12/23/2020 Date Made Active in Reports: 03/15/2021

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 503-229-5193 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Recorded at ESCI Sites

An institutional control is a legal or administrative tool or action taken to reduce the potential for exposure to hazardous substances. Institutional controls may include, but are not limited to, use restrictions, environmental monitoring requirements, and site access and security measures.

Date of Government Version: 12/01/2020 Date Data Arrived at EDR: 12/23/2020 Date Made Active in Reports: 03/15/2021

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 503-229-5193 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Quarterly

### 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: 03/22/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Varies

VCS: Voluntary Cleanup Program Sites

Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 12/29/2020 Date Data Arrived at EDR: 12/29/2020 Date Made Active in Reports: 03/17/2021

Number of Days to Update: 78

Source: DEQ

Telephone: 503-229-5256 Last EDR Contact: 03/26/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Quarterly

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 Projects** 

Brownfields investigations and/or cleanups that have been conducted in Oregon.

Date of Government Version: 11/01/2020
Date Data Arrived at EDR: 11/11/2020
Date Made Active in Reports: 01/28/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 503-229-6801 Last EDR Contact: 02/10/2021

Next Scheduled EDR Contact: 05/24/2021 Data Release Frequency: Annually

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/11/2020 Date Data Arrived at EDR: 12/11/2020 Date Made Active in Reports: 03/02/2021

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 03/16/2021

Next Scheduled EDR Contact: 06/28/2021 Data Release Frequency: Semi-Annually

### Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Old Closed SW Disposal Sites

A list of solid waste disposal sites that have been closed for a long while.

Date of Government Version: 04/01/2000 Date Data Arrived at EDR: 07/08/2003 Date Made Active in Reports: 07/18/2003

Number of Days to Update: 10

Source: Department of Environmental Quality

Telephone: 503-229-5409 Last EDR Contact: 07/08/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycling Facility Location Listing A listing of recycling facility locations.

Date of Government Version: 11/19/2020 Date Data Arrived at EDR: 11/23/2020 Date Made Active in Reports: 02/09/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 503-229-5353 Last EDR Contact: 02/24/2021

Next Scheduled EDR Contact: 06/06/2021 Data Release Frequency: Quarterly

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: 01/25/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 01/19/2021

Next Scheduled EDR Contact: 05/03/2021 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014 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: 01/29/2021

Next Scheduled EDR Contact: 05/10/2021

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: 12/07/2020 Date Data Arrived at EDR: 12/09/2020 Date Made Active in Reports: 03/02/2021

Number of Days to Update: 83

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/22/2021

Next Scheduled EDR Contact: 06/06/2021 Data Release Frequency: No Update Planned

AOC COL: Columbia Slough

Columbia Slough waterway boundaries.

Date of Government Version: 08/10/2005 Date Data Arrived at EDR: 05/17/2006 Date Made Active in Reports: 06/16/2006

Number of Days to Update: 30

Source: City of Portland Environmental Services

Telephone: 503-823-5310 Last EDR Contact: 03/13/2007 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

AOC MU: East Multnomah County Area

Approximate extent of TSA VOC plume February, 2002

Date of Government Version: 01/01/2002 Date Data Arrived at EDR: 10/07/2002 Date Made Active in Reports: 10/22/2002

Number of Days to Update: 15

Source: City of Portland Environmental Services

Telephone: 503-823-5310 Last EDR Contact: 03/13/2007 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CDL 2: Clandestine Drug Lab Site Listing

A listing of clandestine drug lab site locations included in the Incident database.

Date of Government Version: 10/08/2020 Date Data Arrived at EDR: 10/27/2020 Date Made Active in Reports: 01/14/2021

Number of Days to Update: 79

Source: Oregon State Police Telephone: 503-373-1540 Last EDR Contact: 01/27/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Varies

CDL: Uninhabitable Drug Lab Properties

The properties listed on these county pages have been declared by a law enforcement agency to be unfit for use due to meth lab and/or storage activities. The properties are considered uninhabitable until cleaned up by a state certified decontamination contractor and a certificate of fitness is issued by the Oregon Health Division.

Date of Government Version: 06/29/2020 Date Data Arrived at EDR: 06/30/2020 Date Made Active in Reports: 09/16/2020

Number of Days to Update: 78

Source: Department of Consumer & Business Services

Telephone: 503-378-4133 Last EDR Contact: 02/01/2021

Next Scheduled EDR Contact: 05/17/2021 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: 12/07/2020 Date Data Arrived at EDR: 12/09/2020 Date Made Active in Reports: 03/02/2021

Number of Days to Update: 83

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/22/2021

Next Scheduled EDR Contact: 06/06/2021 Data Release Frequency: Quarterly

PFAS: PFAS Site Contamination Listing

Site locations where pfas contamination has been detected.

Date of Government Version: 10/07/2020 Date Data Arrived at EDR: 10/09/2020 Date Made Active in Reports: 12/31/2020

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 503-229-6783 Last EDR Contact: 01/11/2021

Next Scheduled EDR Contact: 04/26/2021

Data Release Frequency: Varies

#### Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/18/2021

Number of Days to Update: 35

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/16/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 85

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/24/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

SPILLS: Spill Data

Oil and hazardous material spills reported to the Environmental Response Program.

Date of Government Version: 02/17/2021 Date Data Arrived at EDR: 02/18/2021 Date Made Active in Reports: 03/15/2021

Number of Days to Update: 25

Source: Department of Environmental Quality

Telephone: 503-229-5815 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Semi-Annually

#### HAZMAT: Hazmat/Incidents

Hazardous material incidents reported to the State Fire Marshal by emergency responders. The hazardous material may or may not have been released.

Date of Government Version: 10/08/2020 Date Data Arrived at EDR: 10/27/2020 Date Made Active in Reports: 01/14/2021

Number of Days to Update: 79

Source: State Fire Marshal's Office Telephone: 503-373-1540 Last EDR Contact: 01/27/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Semi-Annually

#### 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: 05/01/2006 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 12/22/2020

Number of Days to Update: 5

Source: Environmental Protection Agency

Telephone: (206) 553-1200 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 02/11/2021 Date Data Arrived at EDR: 02/17/2021 Date Made Active in Reports: 04/05/2021

Number of Days to Update: 47

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/17/2021

Next Scheduled EDR Contact: 05/31/2021 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: 01/15/2021

Next Scheduled EDR Contact: 04/26/2021 Data Release Frequency: Semi-Annually

#### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/07/2021

Next Scheduled EDR Contact: 04/19/2021

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: 02/09/2021

Next Scheduled EDR Contact: 05/24/2021

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: 12/14/2020 Date Data Arrived at EDR: 12/17/2020 Date Made Active in Reports: 03/12/2021

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 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: 02/02/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Quarterly

#### 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 02/05/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/17/2020 Date Made Active in Reports: 09/10/2020

Number of Days to Update: 85

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/19/2021

Next Scheduled EDR Contact: 06/28/2021 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 08/14/2020 Date Made Active in Reports: 11/04/2020

Number of Days to Update: 82

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/02/2021

Next Scheduled EDR Contact: 05/31/2021 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: 01/20/2021 Date Data Arrived at EDR: 01/21/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 60

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/21/2021

Next Scheduled EDR Contact: 05/03/2021 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: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/18/2021

Number of Days to Update: 35

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 06/14/2021 Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021

Number of Days to Update: 74

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/19/2021

Next Scheduled EDR Contact: 05/03/2021 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: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 03/05/2021

Number of Days to Update: 50

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 03/11/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 11/19/2020 Date Data Arrived at EDR: 01/08/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 73

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/08/2021

Next Scheduled EDR Contact: 04/19/2021 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: 03/31/2021

Next Scheduled EDR Contact: 07/19/2021 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

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: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

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.

TC6438323.2s Page GR-16

Date of Government Version: 08/05/2020 Date Data Arrived at EDR: 08/10/2020 Date Made Active in Reports: 10/08/2020

Number of Days to Update: 59

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 01/19/2021

Next Scheduled EDR Contact: 05/03/2021 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: 12/31/2019 Date Data Arrived at EDR: 12/01/2020 Date Made Active in Reports: 02/09/2021

Number of Days to Update: 70

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 03/05/2021

Next Scheduled EDR Contact: 06/14/2021 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: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 03/02/2021

Next Scheduled EDR Contact: 06/14/2021 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: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 02/05/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 03/25/2021

Next Scheduled EDR Contact: 07/12/2021 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: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/27/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 01/13/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/05/2021

Next Scheduled EDR Contact: 07/19/2021

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: 12/31/2017 Date Data Arrived at EDR: 06/22/2020 Date Made Active in Reports: 11/20/2020

Number of Days to Update: 151

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 03/23/2021

Next Scheduled EDR Contact: 07/05/2021 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: 01/08/2021

Next Scheduled EDR Contact: 04/19/2021 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 3

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 02/02/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/18/2021

Next Scheduled EDR Contact: 05/31/2021 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020 Date Data Arrived at EDR: 01/14/2021 Date Made Active in Reports: 02/09/2021

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 04/01/2021

Next Scheduled EDR Contact: 07/12/2021 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

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020 Date Data Arrived at EDR: 11/30/2020 Date Made Active in Reports: 01/25/2021

Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 03/01/2021

Next Scheduled EDR Contact: 06/14/2021 Data Release Frequency: Quarterly

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: 11/03/2020 Date Data Arrived at EDR: 11/23/2020 Date Made Active in Reports: 01/25/2021

Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/24/2021

Next Scheduled EDR Contact: 06/06/2021 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: 05/06/2020 Date Data Arrived at EDR: 05/27/2020 Date Made Active in Reports: 08/13/2020

Number of Days to Update: 78

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/26/2021

Next Scheduled EDR Contact: 06/06/2021 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: 02/26/2021

Next Scheduled EDR Contact: 06/06/2021 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: 12/11/2020 Date Data Arrived at EDR: 12/11/2020 Date Made Active in Reports: 03/02/2021

Number of Days to Update: 81

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/10/2021

Next Scheduled EDR Contact: 06/21/2021 Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/03/2021 Date Data Arrived at EDR: 03/03/2021 Date Made Active in Reports: 04/05/2021

Number of Days to Update: 33

Source: EPA

Telephone: (206) 553-1200 Last EDR Contact: 03/03/2021

Next Scheduled EDR Contact: 06/14/2021 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: 01/02/2021 Date Data Arrived at EDR: 01/08/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 01/08/2021

Next Scheduled EDR Contact: 04/19/2021 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 07/02/2020 Date Made Active in Reports: 09/17/2020

Number of Days to Update: 77

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/15/2021

Next Scheduled EDR Contact: 04/26/2021 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 11/03/2020 Date Data Arrived at EDR: 11/17/2020 Date Made Active in Reports: 02/09/2021

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 02/26/2021

Next Scheduled EDR Contact: 06/06/2021 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: 02/17/2021 Date Data Arrived at EDR: 02/17/2021 Date Made Active in Reports: 03/22/2021

Number of Days to Update: 33

Source: EPA Telephone: 800-385-6164 Last EDR Contact: 02/17/2021

Next Scheduled EDR Contact: 05/31/2021 Data Release Frequency: Quarterly

AIRS: Oregon Title V Facility Listing

A listing of Title V facility source and emissions information.

Date of Government Version: 12/21/2020 Date Data Arrived at EDR: 12/30/2020 Date Made Active in Reports: 03/17/2021

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 503-229-6459 Last EDR Contact: 03/26/2021

Next Scheduled EDR Contact: 07/12/2021 Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Sites Listing A listing of coal ash disposal sites.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 03/06/2020 Date Made Active in Reports: 05/14/2020

Number of Days to Update: 69

Source: Department of Environmental Quality

Telephone: 541-298-7255 Last EDR Contact: 03/01/2021

Next Scheduled EDR Contact: 06/14/2021 Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities

A listing of registered drycleaning facilities in Oregon.

Date of Government Version: 10/23/2020 Date Data Arrived at EDR: 10/26/2020 Date Made Active in Reports: 10/26/2020

Number of Days to Update: 0

Source: Department of Environmental Quality

Telephone: 503-229-6783 Last EDR Contact: 01/25/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Annually

ENF: Enforcement Action Listing Enforcement actions

> Date of Government Version: 03/02/2021 Date Data Arrived at EDR: 03/02/2021 Date Made Active in Reports: 03/03/2021

Number of Days to Update: 1

Source: Department of Environmental Quality

Telephone: 503-229-5696 Last EDR Contact: 03/02/2021

Next Scheduled EDR Contact: 06/28/2021 Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for hazardous waste facilities.

Date of Government Version: 06/24/2019 Date Data Arrived at EDR: 06/27/2019 Date Made Active in Reports: 09/11/2019

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 541-633-2011 Last EDR Contact: 03/01/2021

Next Scheduled EDR Contact: 06/14/2021 Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 11/30/2020 Date Data Arrived at EDR: 12/02/2020 Date Made Active in Reports: 12/10/2020

Number of Days to Update: 8

Source: Department of Environmental Quality

Telephone: 503-229-5521 Last EDR Contact: 02/16/2021

Next Scheduled EDR Contact: 05/31/2021 Data Release Frequency: Semi-Annually

HSIS: Hazardous Substance Information Survey

Companies in Oregon submitting the Hazardous Substance Information Survey and either reporting or not reporting hazardous substances.

Date of Government Version: 10/26/2020 Date Data Arrived at EDR: 10/27/2020 Date Made Active in Reports: 01/14/2021

Number of Days to Update: 79

Source: State Fire Marshal's Office Telephone: 503-373-1540 Last EDR Contact: 01/27/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Semi-Annually

OR MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 07/30/2020 Date Made Active in Reports: 10/15/2020

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 02/01/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Annually

NPDES: Wastewater Permits Database

A listing of permitted wastewater facilities.

Date of Government Version: 11/02/2020 Date Data Arrived at EDR: 11/12/2020 Date Made Active in Reports: 01/28/2021

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 503-229-5657 Last EDR Contact: 02/01/2021

Next Scheduled EDR Contact: 05/17/2021 Data Release Frequency: Varies

UIC: Underground Injection Control Program Database

DEQ's Underground Injection Control Program is authorized by the Environmental Protection Agency (EPA) to regulate all underground injection in Oregon to protect groundwater resources.

Date of Government Version: 12/21/2020 Date Data Arrived at EDR: 12/22/2020 Date Made Active in Reports: 03/15/2021

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 503-229-5945 Last EDR Contact: 03/22/2021

Next Scheduled EDR Contact: 07/05/2021 Data Release Frequency: Quarterly

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/19/2021 Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019

Number of Days to Update: 3

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 02/26/2021

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 05/06/2015

Number of Days to Update: 120

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/19/2021 Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/19/2021 Data Release Frequency: Varies

### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A 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 HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186 Source: Department of Environmental Quality

Telephone: N/A

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

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environmental Quality

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 Environmental Quality in Oregon.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/27/2013 Number of Days to Update: 179

Source: Department of Environmental Quality

Telephone: N/A

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

### OTHER DATABASE(S)

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

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019 Date Data Arrived at EDR: 04/29/2020 Date Made Active in Reports: 07/10/2020

Number of Days to Update: 72

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/29/2021

Next Scheduled EDR Contact: 05/10/2021 Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/08/2021

Next Scheduled EDR Contact: 06/21/2021 Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

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

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes** 

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listings Source: Employment Department Telephone: 503-947-1420

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: Wetlands Inventory Data Source: Oregon Geospatial Enterprise Office

Telephone: 503-378-2166

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

### STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

FORMER MARKWARDT BROTHERS GARAGE CHOCKTOOT STREET CHILOQUIN, OR 97624

### **TARGET PROPERTY COORDINATES**

Latitude (North): 42.576707 - 42° 34' 36.15" Longitude (West): 121.862632 - 121° 51' 45.48"

Universal Tranverse Mercator: Zone 10 UTM X (Meters): 593341.9 UTM Y (Meters): 4714223.0

Elevation: 4196 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 6071694 CHILOQUIN, OR

Version Date: 2014

West Map: 6072131 AGENCY LAKE, OR

Version Date: 2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

### **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

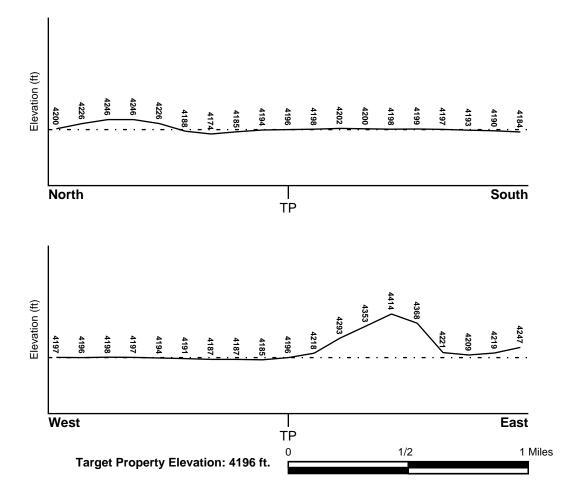
### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

Not Reported

Additional Panels in search area: FEMA Source Type

Not Reported

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

CHILOQUIN SE YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

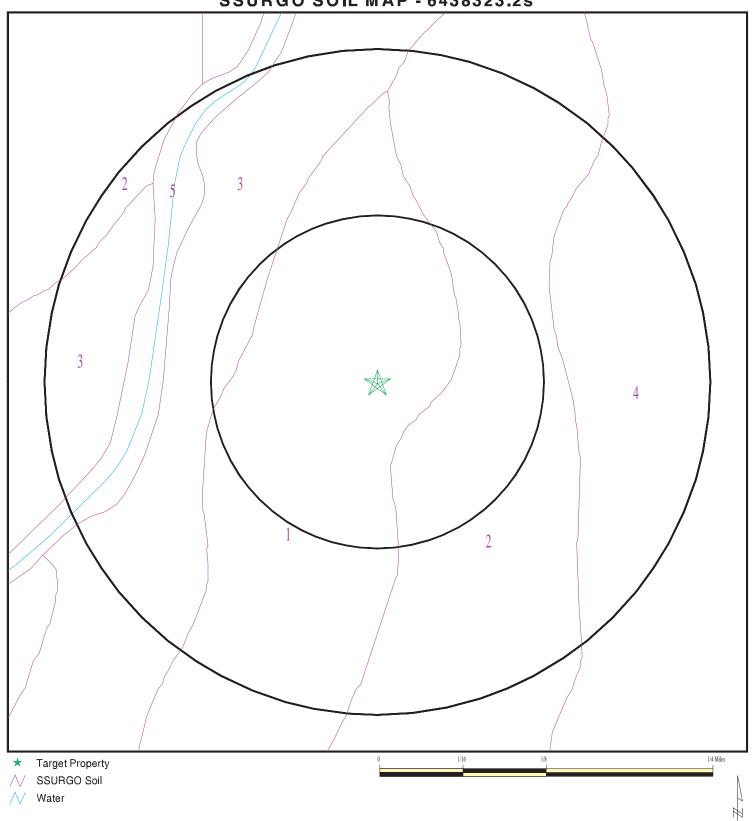
Era: Cenozoic Category: Continental Deposits

System: Tertiary Series: Pliocene

Code: Tpc (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 6438323.2s



SITE NAME: Former Markwardt Brothers Garage ADDRESS: Chocktoot Street Chiloquin OR 97624 LAT/LONG: 42.576707 / 121.862632

CLIENT: Cardno
CONTACT: Sam Urban
INQUIRY #: 6438323.2s
DATE: April 06, 2021 4:55 pm

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### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Lobert

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	16 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	16 inches	31 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	31 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 2

Soil Component Name: Shanahan

Soil Surface Texture: gravelly loamy coarse sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	3 inches	gravelly loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
2	3 inches	14 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
3	14 inches	25 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
4	25 inches	44 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

	Soil Layer Information						
	Bou	ndary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
5	44 inches	59 inches	extremely cobbly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

## Soil Map ID: 3

Soil Component Name: Klamath

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

	Soil Layer Information						
	Вои	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Oon Reaction
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	11 inches	27 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

	Soil Layer Information						
	Bou	ndary	Classification Saturated hydraulic				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Oon Reaction
3	27 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: Maset

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Вои	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	7 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: Min:	Max: Min:
2	7 inches	20 inches	gravelly coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: Min:	Max: Min:

	Soil Layer Information						
	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
3	20 inches	31 inches	very gravelly clay loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: Min:	Max: Min:
4	31 inches	42 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: Min:	Max: Min:

### Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

### **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	USGS40000987025	0 - 1/8 Mile SE
B5	USGS40000987037	1/4 - 1/2 Mile NNE
C6	USGS40000987030	1/4 - 1/2 Mile WNW
D10	USGS40000987031	1/2 - 1 Mile ENE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

 MAP ID
 WELL ID
 FROM TP

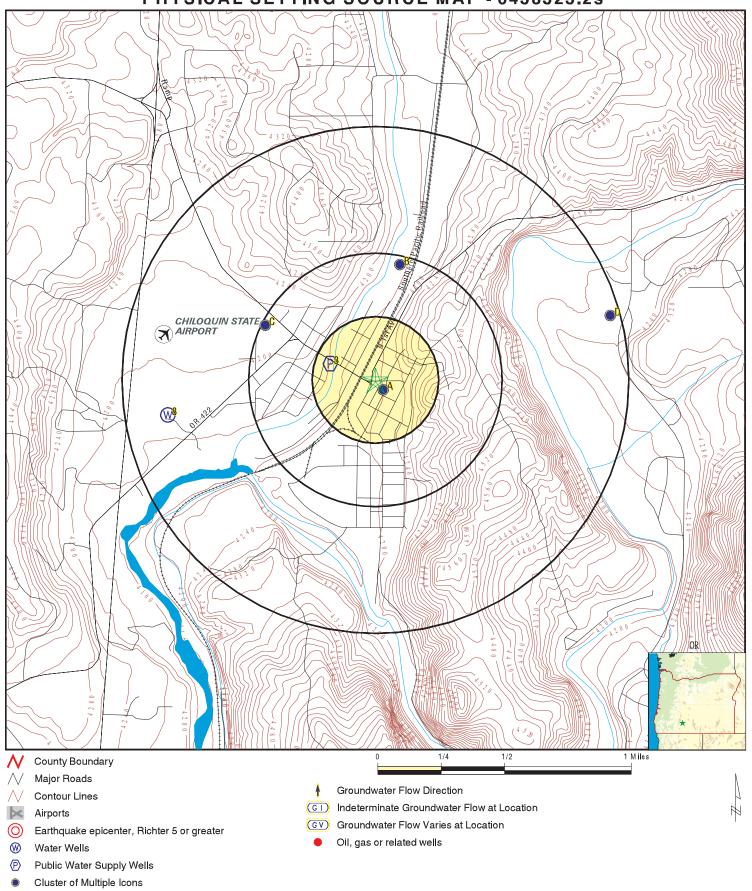
 3
 OR4190390
 1/8 - 1/4 Mile WNW

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

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	ORW600000015664	0 - 1/8 Mile SSE
B4	ORW60000012775	1/4 - 1/2 Mile NNE
C7	ORW60000015665	1/4 - 1/2 Mile WNW
8	ORW60000018114	1/2 - 1 Mile West
D9	ORW60000012773	1/2 - 1 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 6438323.2s



SITE NAME: Former Markwardt Brothers Garage

ADDRESS: Chocktoot Street

Chiloquin OR 97624 LAT/LONG: 42.576707 / 121.862632 CLIENT: Cardno CONTACT: Sam Urban INQUIRY#: 6438323.2s

DATE: April 06, 2021 4:55 pm

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Map ID Direction Distance

Elevation Database EDR ID Number

A1 SE 0 - 1/8 Mile

**FED USGS** USGS40000987025

Higher

Organization ID: **USGS-OR** Organization Name: **USGS Oregon Water Science Center** 

34.00S/07.00E-34DDB01 Monitor Location: Type: Well HUC: 18010202 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19400000 Well Depth: Well Depth Units: ft 1320 Well Hole Depth: 1320 Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1999-10-25 2 Level reading date: Feet below surface: 19.74 Feet to sea level: Not Reported

Other conditions existed that would affect the measured water level. Note:

Level reading date: 1940 Feet below surface: 19

Feet to sea level: Not Reported Note: Not Reported

**OR WELLS** ORW60000015664 SSE

0 - 1/8 Mile Higher

> Well Log ID: KLAM 58404 Last Update: 11/03/2013

State Obs Well #: Well Tag: 0 0

Observation Well: Recorder Well: Not Reported Not Reported

Obs Well Flag: Not Reported Surface Elevation: 4210

WNW **FRDS PWS** OR4190390 1/8 - 1/4 Mile

Lower

Epa region: 10 State: OR

Pwsid: OR4190390 Pwsname: SPORTSMANS MOTEL

Cityserved: Not Reported Stateserved: OR Zipserved: Not Reported Fipscounty: 41035 Status: Closed 10 Retpopsrvd:

Pwssvcconn: Psource longname: Groundwater 3 Pwstype: **TNCWS** Owner: Private FITTS, JUNE Contact: Contactorgname: FITTS, JUNE Contactphone: 541-783-3573 Contactaddress1: 27627 HWY 97 N Contactaddress2: Not Reported Contactcity: **CHILOQUIN** 97624

OR Contactstate:

Contactzip: Pwsactivitycode: Ν

OR4190390 PWS ID: PWS type: Not Reported PWS name: Not Reported PWS address: Not Reported PWS city: Not Reported PWS state: Not Reported PWS ID: OR4190390 PWS zip: Not Reported Not Reported Activity status: Active Date system activated:

Date system deactivated: Not Reported Retail population: 00000025

AL'S SPORTSMANS MOTEL System name:

System city: **CHILOQUIN** 

System zip: 97624

Population served: Under 101 Persons Treatment:

Latitude: 423440 Longitude: 1215154

S Violation id: 184401 Orig code: Violation Year: State: OR 2001

Coliform (TCR) Contamination code: 3100 Contamination Name:

23 Violation name: Monitoring, Routine Major (TCR) Violation code:

System address:

System state:

Rule code: 110 Rule name: **TCR** Violation measur: Not Reported Unit of measure: Not Reported Not Reported 01/01/2001 State mcl: Cmp bdt: 03/31/2001 Cmp edt:

Violation id: 191800 Orig code: S Violation Year: OR 2000 State:

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation name: Monitoring, Routine Major (TCR) Violation code: 23

Rule code: 110 Rule name: **TCR** 

Not Reported Not Reported Violation measur: Unit of measure: State mcl: Not Reported 01/01/2000 Cmp bdt: Cmp edt: 03/31/2000

S 2499602 Violation id: Orig code: OR Violation Year: 2002 State:

Contamination code: 3100 Contamination Name: Coliform (TCR)

Monitoring, Routine Major (TCR) Violation code: 23 Violation name:

110 Rule code: Rule name: Violation measur: Not Reported Unit of measure: Not Reported 04/01/2002 Not Reported Cmp bdt: State mcl:

06/30/2002 Cmp edt:

2499903 Violation id: Orig code: S Violation Year: 2002 State: OR

3100 Coliform (TCR) Contamination code: Contamination Name:

Monitoring, Routine Major (TCR) Violation code: 23 Violation name: Rule code: 110 Rule name:

Violation measur: Not Reported Unit of measure: Not Reported 07/01/2002 Not Reported Cmp bdt: State mcl: 09/30/2002 Cmp edt:

Violation id: 2500203 Orig code: S State: OR Violation Year: 2002 Contamination code: 1040 Contamination Name: Nitrate

Monitoring, Regular 03 Violation name: Violation code:

Rule code: 331 Rule name: **Nitrates** Violation measur: Not Reported Unit of measure: Not Reported Not Reported 01/01/2002 Cmp bdt:

State mcl: Cmp edt: 12/31/2002

Cmp edt:

Violation id: 2500303 Orig code: S State: OR Violation Year: 2003

Coliform (TCR) Contamination code: 3100 Contamination Name: Monitoring, Routine Major (TCR) Violation code: 23 Violation name:

Rule code: 110 Rule name: **TCR** 

Violation measur: Not Reported Unit of measure: Not Reported 01/01/2003 State mcl: Not Reported Cmp bdt: 03/31/2003

STAR ROUTE, BOX 27

Untreated

Violation id:2500804Orig code:SState:ORViolation Year:2003

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code:23Violation name:Monitoring, Routine Major (TCR)Rule code:110Rule name:TCR

Violation measur:

Not Reported

State mcl:

Not Reported

Cmp bdt:

07/01/2003

Cmp edt:

09/30/2003

Violation id:2501004Orig code:SState:ORViolation Year:2004

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code:23Violation name:Monitoring, Routine Major (TCR)Rule code:110Rule name:TCR

Rule code: 110 Rule name: TCR
Violation measur: Not Reported Unit of measure: Not Reported
State mcl: Not Reported Cmp bdt: 01/01/2004
Cmp edt: 03/31/2004

Violation id:2501106Orig code:SState:ORViolation Year:2005

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:07/01/2005Cmp edt:09/30/2005

Violation id:2501208Orig code:SState:ORViolation Year:2007

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:07/01/2007Cmp edt:09/30/2007

Violation id:2502010Orig code:SState:ORViolation Year:2009

Contamination code: 3100 Contamination Name: Coliform (TCR)
Violation code: 22 Violation name: MCL, Monthly (TCR)

Rule code:110Rule name:TCRViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:07/01/2009

Violation id:313001Orig code:SState:ORViolation Year:2001

09/30/2009

Cmp edt:

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR
Violation measur: Not Reported Unit of measure: Not Reported

State mcl: Not Reported Onlt of measure: Not Reported

Cmp bdt: 04/01/2001

Cmp edt: 06/30/2001

Violation id:320700Orig code:SState:ORViolation Year:2000

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:04/01/2000Cmp edt:06/30/2000

Violation id:36102Orig code:SState:ORViolation Year:2001

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code:23Violation name:Monitoring, Routine Major (TCR)Rule code:110Rule name:TCR

Violation measur:

Not Reported

Unit of measure:

Not Reported

State mcl:

Not Reported

Cmp bdt:

10/01/2001

Cmp edt: Not Reported 12/31/2001

Violation id:439701Orig code:SState:ORViolation Year:2001

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR

Violation measur: Not Reported Unit of measure: Not Reported

State mel: 07/04/2004

State mcl: Not Reported Onlt of measure: Not Reported

Cmp bdt: 07/01/2001

Cmp edt: 09/30/2001

Violation id:473500Orig code:SState:ORViolation Year:2000

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code:23Violation name:Monitoring, Routine Major (TCR)Rule code:110Rule name:TCR

Violation measur:

Not Reported

Not Reported

Not Reported

Cmp bdt:

Not Reported

O7/01/2000

Cmp edt: 09/30/2000

Violation id:585001Orig code:SState:ORViolation Year:2001Contamination code:1040Contamination Name:Nitrate

Violation code: 03 Violation name: Monitoring, Regular

Rule code:

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

State mcl: Not Reported Unit of measure: Not Reported

Cmp bdt: 01/01/2001

Cmp edt: 12/31/2001

Violation id:63601Orig code:SState:ORViolation Year:2000

Contamination code: 3100 Contamination Name: Coliform (TCR)

Violation code: 23 Violation name: Monitoring, Routine Major (TCR)

Rule code: 110 Rule name: TCR
Violation measur: Not Reported Unit of measure: Not Reported

State mcl: Not Reported Cmp bdt: 10/01/2000
Cmp edt: 12/31/2000

Violation id:684000Orig code:SState:ORViolation Year:2000Contamination code:1040Contamination Name:Nitrate

Violation code: 03 Violation name: Monitoring, Regular

Rule code:331Rule name:NitratesViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:01/01/2000

Cmp edt: 12/31/2000

PWS currently has or had major violation(s) or enforcement. Yes

 Violation ID:
 9401694
 Violation source ID:
 Not Reported

 PWS telephone:
 Not Reported
 Contaminant:
 COLIFORM (TCR)

Violation type: Monitoring, Routine Major (TCR)

Violation start date:010194Violation end date:033194Violation period (months):003Violation awareness date:Not ReportedMajor violator:YesMaximum contaminant level:Not Reported

Number of required samples: Not Reported Analysis method: Not Reported Analysis result: Not Reported Not Reported Analysis result: Not Reported

Violation ID: 111595 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 114997 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 1317291 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 169494 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 184401 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 185099 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 191800 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 239096 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

2. Indication 2. Compilation admitted 2. Indication additional 2. Indic

Violation ID: 2498592 Orig Code: S

Enforcement FY: 2002 Enforcement Action: 04/03/2002 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2499602 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 02/14/2003
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2499602 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 11/08/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2499903 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 02/14/2003

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2499903 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 11/08/2002

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2500203 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 04/04/2003

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 2500303 Orig Code: S

Enforcement FY: 2003 Enforcement Action: 06/05/2003 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Orig Code:

2500804

Violation ID:

Enforcemnt FY:

Violation ID:

Violation ID:

Enforcemnt FY:

**Enforcement Detail:** 

**Enforcement Detail:** 

2003

36102

387396

2002

St Compliance achieved

St Compliance achieved

Enforcemnt FY: 2004 **Enforcement Action:** 11/06/2003 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving 2501004 Violation ID: Orig Code: 05/05/2004 Enforcemnt FY: 2004 **Enforcement Action: Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving Violation ID: 2501106 Orig Code: Enforcement Action: 01/06/2006 Enforcemnt FY: 2006 St Compliance achieved **Enforcement Category: Enforcement Detail:** Resolving Violation ID: 2501208 Orig Code: 10/01/2009 Enforcemnt FY: 2010 **Enforcement Action: Enforcement Detail:** St Compliance achieved Enforcement Category: Resolving Violation ID: 2502010 Orig Code: Enforcemnt FY: 2010 **Enforcement Action:** 11/02/2009 **Enforcement Detail:** St Public Notif received Enforcement Category: Informal Violation ID: 2502010 Orig Code: Enforcemnt FY: 2010 **Enforcement Action:** 02/24/2010 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving Violation ID: 2502010 Orig Code: Enforcemnt FY: **Enforcement Action:** 10/14/2009 **Enforcement Detail:** St Public Notif requested **Enforcement Category:** Informal Violation ID: 2502010 Orig Code: S **Enforcement Action:** 10/19/2009 Enforcemnt FY: 2010 **Enforcement Detail:** St Violation/Reminder Notice **Enforcement Category:** Informal 270897 Violation ID: Orig Code: Enforcemnt FY: **Enforcement Action:** 04/03/2002 St Compliance achieved **Enforcement Detail: Enforcement Category:** Resolving Violation ID: 284495 Orig Code: 04/03/2002 Enforcemnt FY: 2002 **Enforcement Action: Enforcement Detail: Enforcement Category:** St Compliance achieved Resolving Violation ID: 313001 Orig Code: 04/03/2002 Enforcemnt FY: **Enforcement Action:** 2002 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving Violation ID: 320700 Orig Code: Enforcemnt FY: **Enforcement Action:** 04/03/2002 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving Violation ID: 323998 Orig Code: S 04/03/2002 Enforcemnt FY: 2002 **Enforcement Action: Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving Violation ID: 36102 Orig Code:

S

**Enforcement Action:** 

**Enforcement Action:** 

**Enforcement Category:** 

Orig Code:

Orig Code:

**Enforcement Category:** 

02/14/2003

04/03/2002

Resolving

Resolving

04/03/2002 Enforcemnt FY: 2002 **Enforcement Action: Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 412397 Orig Code:

04/03/2002 Enforcemnt FY: 2002 Enforcement Action: **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 439701 Orig Code:

Enforcement Action: 04/03/2002 Enforcemnt FY: 2002 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 473500 Orig Code: S

Enforcemnt FY: 2002 **Enforcement Action:** 04/03/2002 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

49699 Violation ID: Orig Code: S

04/03/2002 Enforcemnt FY: 2002 **Enforcement Action:** 

**Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 52598 Orig Code:

Enforcemnt FY: 2002 **Enforcement Action:** 04/03/2002

**Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

575797 Violation ID: Orig Code:

Enforcemnt FY: **Enforcement Action:** 04/03/2002 2002

**Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 585001 Orig Code:

Enforcement Action: Enforcemnt FY: 2003 04/04/2003 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 607895 Orig Code:

04/03/2002 Enforcemnt FY: Enforcement Action: 2002 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 63601 Orig Code:

Enforcemnt FY: **Enforcement Action:** 04/03/2002 2002 St Compliance achieved **Enforcement Detail: Enforcement Category:** Resolving

Violation ID: 641198 Orig Code:

Enforcemnt FY: 2003 **Enforcement Action:** 04/04/2003

**Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

Violation ID: 684000 Orig Code:

Enforcemnt FY: **Enforcement Action:** 04/04/2003 **Enforcement Detail:** St Compliance achieved **Enforcement Category:** Resolving

1/4 - 1/2 Mile Lower

> Well Log ID: KLAM 973 Last Update: 04/05/2010

Well Tag: State Obs Well #:

Observation Well: Not Reported Recorder Well: Not Reported

Obs Well Flag: Not Reported Surface Elevation: 4178

**OR WELLS** 

ORW60000012775

Map ID Direction Distance

Elevation Database EDR ID Number

**B5** NNE

**FED USGS** USGS40000987037

USGS40000987030

**FED USGS** 

1/4 - 1/2 Mile Lower

> Organization ID: **USGS-OR** Organization Name: **USGS Oregon Water Science Center**

34.00S/07.00E-34ADB01 Monitor Location: Type: Well HUC: 18010201 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19810831 Well Depth: Well Depth Units: ft 114 Well Hole Depth: Well Hole Depth Units: 114 ft

2 2000-06-30 Ground water levels, Number of Measurements: Level reading date: Feet below surface: 0.94 Feet to sea level: Not Reported

Other conditions existed that would affect the measured water level. Note:

Level reading date: 1981-08-31 Feet below surface:

Feet to sea level: Not Reported Note: Not Reported

WNW 1/4 - 1/2 Mile Higher

1/4 - 1/2 Mile

Organization ID: **USGS-OR** Organization Name: **USGS Oregon Water Science Center** 

Monitor Location: 34.00S/07.00E-34CAB01 Type: Well Description: Not Reported HUC: 18010201 Not Reported Drainage Area: Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Formation Type: Not Reported Not Reported Aquifer: 19740418 Not Reported Construction Date: Aquifer Type: Well Depth: 750 Well Depth Units: ft Well Hole Depth: 750 Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1999-10-25 Level reading date: 1 Feet below surface: 29.92 Feet to sea level: Not Reported

Note: Other conditions existed that would affect the measured water level.

WNW **OR WELLS** ORW60000015665

Higher Well Log ID: KLAM 51957 Last Update: 11/03/2013

Well Tag: State Obs Well #: 0 0

Observation Well: Not Reported Recorder Well: Not Reported

Obs Well Flag: Not Reported Surface Elevation: 4210

Map ID Direction Distance

 Elevation
 Database
 EDR ID Number

 8
 West
 OR WELLS
 ORW600000018114

1/2 - 1 Mile Lower

Well Log ID: KLAM 59387 Last Update: 11/09/2015

Well Tag: 0 State Obs Well #: 0

Observation Well: Not Reported Recorder Well: Not Reported

Obs Well Flag: Not Reported Surface Elevation: 4191

D9

ENE 1/2 - 1 Mile Higher

Well Log ID: KLAM 10587 Last Update: 04/05/2010

Well Tag: 0 State Obs Well #: 0

Observation Well: Noncurrent Recorder Well: Not Reported

Obs Well Flag: Other Obs Well, Noncurrent Surface Elevation: 4210

טוט ENE 1/2 - 1 Mile Higher

Organization ID: USGS-OR Organization Name: USGS Oregon Water Science Center

Monitor Location: 34.00S/07.00E-35DBA01 Type: Well Description: Not Reported HUC: 18010202 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Not Reported Construction Date: 19920915 Aquifer Type: Well Depth: 452 Well Depth Units: ft Well Hole Depth Units: Well Hole Depth: 452 ft

Ground water levels, Number of Measurements: 2 Level reading date: 2000-06-30 Feet below surface: 9.97 Feet to sea level: Not Reported

Note: Other conditions existed that would affect the measured water level.

Level reading date: 1992-09-17 Feet below surface: 19

Feet to sea level: Not Reported Note: Not Reported

**OR WELLS** 

**FED USGS** 

ORW60000012773

USGS40000987031

## GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

#### AREA RADON INFORMATION

State Database: OR Radon

Radon Test Results

Zipcode	Num Tests	Maximum	Minimum	Average	# > 4 pCi/L
97624	4	1.2	0.3	0.8	0

Federal EPA Radon Zone for KLAMATH County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KLAMATH COUNTY, OR

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L	
Living Area	0.470 pCi/L	100%	0%	0%	
Basement	0.910 pCi/L	92%	8%	0%	

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetlands Inventory Data

Source: Oregon Geospatial Enterprise Office

Telephone: 503-378-2166

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **LOCAL / REGIONAL WATER AGENCY RECORDS**

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Data

Source: Department of Water Resources

Telephone: 503-986-0843

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations

Source: Department of Geology and Mineral Industries

Telephone: 971-673-1540

A listing of oil and gas well locations in the state.

#### **RADON**

State Database: OR Radon Source: Oregon Health Services Telephone: 503-731-4272 Radon Levels in Orgeon

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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# Appendix D EDR Historical Aerials Package



### **Former Markwardt Brothers Garage**

Chocktoot Street Chiloquin, OR 97624

Inquiry Number: 6438323.8

April 08, 2021

## The EDR Aerial Photo Decade Package



### **EDR Aerial Photo Decade Package**

04/08/21

Site Name: Client Name:

Former Markwardt Brothers Ga

Chocktoot Street 6611 Bay Circle Suite 220
Chiloquin, OR 97624 Norcross, GA 30071
EDR Inquiry # 6438323.8 Contact: Sam Urban

Cardno



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
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2000	1"=500'	Acquisition Date: January 01, 2000	USGS/DOQQ
1994	1"=500'	Acquisition Date: August 29, 1994	USGS/DOQQ
1982	1"=500'	Flight Date: August 17, 1982	USDA
1975	1"=500'	Flight Date: September 26, 1975	USGS
1955	1"=500'	Flight Date: July 25, 1955	USGS
1953	1"=500'	Flight Date: October 22, 1953	USGS

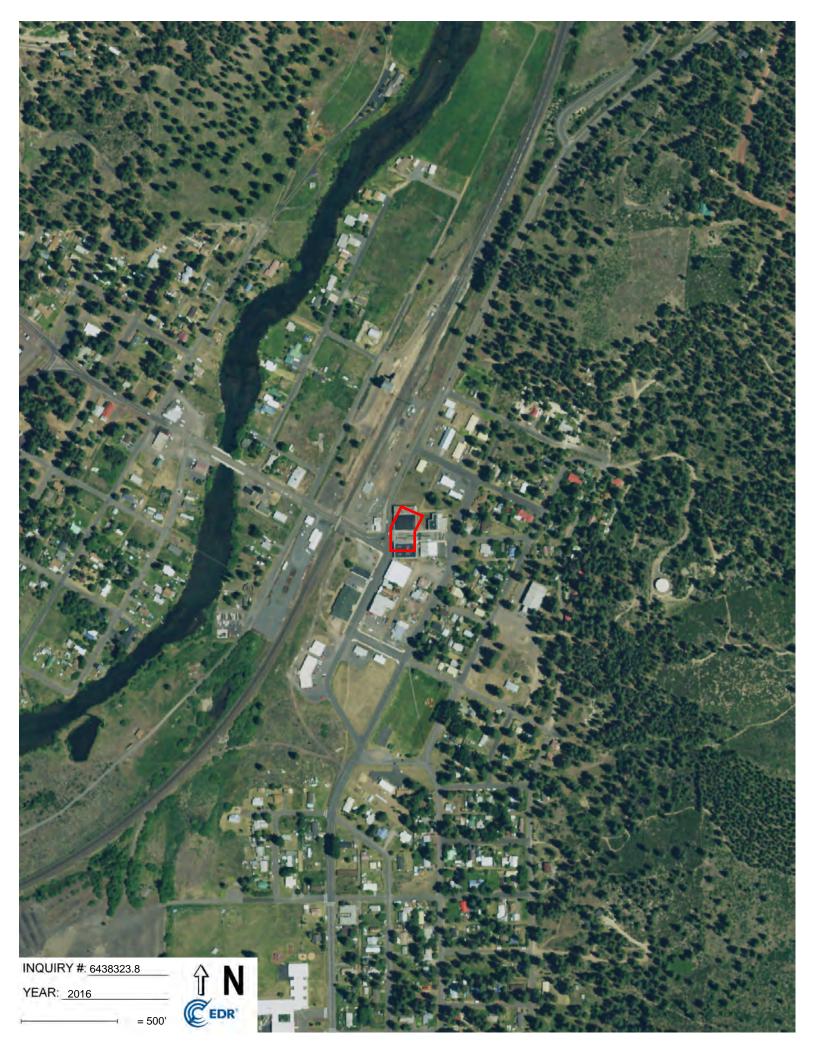
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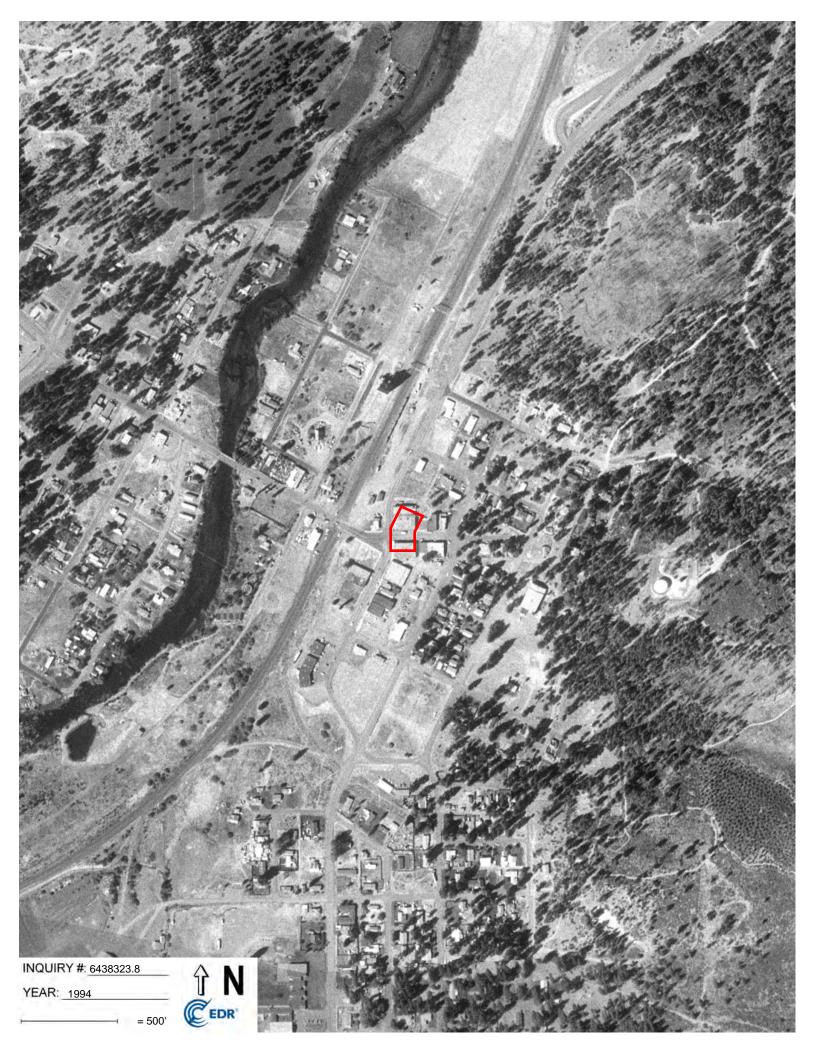




















# Appendix E EDR Historical Topo May Report



Former Markwardt Brothers Garage Chocktoot Street Chiloquin, OR 97624

Inquiry Number: 6438323.4

April 06, 2021

## **EDR Historical Topo Map Report**

with QuadMatch™



### **EDR Historical Topo Map Report**

04/06/21

Site Name: Client Name:

Former Markwardt Brothers Ga

Chocktoot Street
Chiloquin, OR 97624
EDR Inquiry # 6438323.4

Cardno

6611 Bay Circle Suite 220 Norcross, GA 30071

Contact: Sam Urban



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

42.576707 42° 34' 36" North
-121.862632 -121° 51' 45" West
Zone 10 North
: 593339.35
: 4714437.42
4196.76' above sea level
•

#### **Maps Provided:**

2014

1998

1957

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#### Topo Sheet Key

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

#### 2014 Source Sheets



Chiloquin 2014 7.5-minute, 24000



Agency Lake 2014 7.5-minute, 24000

#### 1998 Source Sheets



Agency Lake 1998 7.5-minute, 24000 Aerial Photo Revised 1997

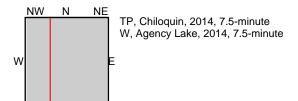


Chiloquin 1998 7.5-minute, 24000 Aerial Photo Revised 1997

#### 1957 Source Sheets



Chiloquin 1957 15-minute, 62500 Aerial Photo Revised 1955



This report includes information from the

following map sheet(s).

SW

S

SE

SITE NAME: Former Markwardt Brothers Garage

1

ADDRESS: Chocktoot Street

0.5

Chiloquin, OR 97624

CLIENT: Cardno

0.25

0 Miles



1.5



**Chocktoot Street** 

Cardno

Chiloquin, OR 97624

ADDRESS:

CLIENT:

W

Cardno

CLIENT:

# Appendix F EDR Sanborn Fire Insurance Maps



Former Markwardt Brothers Garage Chocktoot Street Chiloquin, OR 97624

Inquiry Number: 6438323.3

April 07, 2021

## **Certified Sanborn® Map Report**



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

#### **Certified Sanborn® Map Report**

04/07/21

Site Name: Client Name:

Former Markwardt Brothers Ga Cardno

Chocktoot Street 6611 Bay Circle Suite 220
Chiloquin, OR 97624 Norcross, GA 30071
EDR Inquiry # 6438323.3 Contact: Sam Urban



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Cardno 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 # 6945-47E6-AB35

PO# CHILOQ100

**Project** Former Markwardt Brothers Gara

**Maps Provided:** 

1931



Sanborn® Library search results

Certification #: 6945-47E6-AB35

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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#### Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



#### 1931 Source Sheets

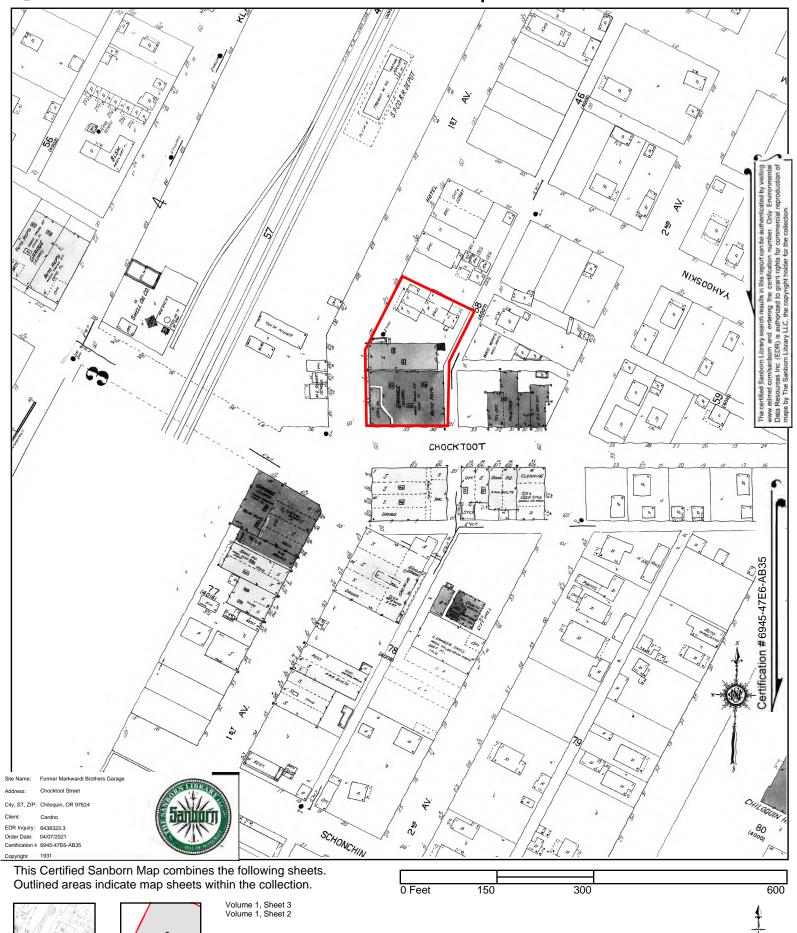


Volume 1, Sheet 2 1931



Volume 1, Sheet 3 1931





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page 4

# Appendix G EDR City Directories



#### Former Markwardt Brothers Garage

Chocktoot Street Chiloquin, OR 97624

Inquiry Number: 6438323.5

April 14, 2021

## The EDR-City Directory Image Report



#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

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

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#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

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

#### **RECORD SOURCES**

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

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#### **RESEARCH SUMMARY**

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

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2017		$\overline{\checkmark}$	EDR Digital Archive
2014		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2010		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2005		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
2000		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
1995		$\overline{\checkmark}$	<b>EDR Digital Archive</b>
1992		$\overline{\checkmark}$	EDR Digital Archive

### **FINDINGS**

#### TARGET PROPERTY STREET

Chocktoot Street Chiloquin, OR 97624

1995

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
СНОСКТО	OOT	
2000	pg A14	EDR Digital Archive
1995	pg A19	EDR Digital Archive
СНОСКТО	OOT ST	
2010	pg A9	EDR Digital Archive
2005	pg A12	EDR Digital Archive
w сноск	TOOT ST	
2017	ng A4	EDD Digital Archivo
2017	pg A4	EDR Digital Archive
2014	pg A8	EDR Digital Archive

pg A20

**EDR Digital Archive** 

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#### **FINDINGS**

#### **CROSS STREETS**

<u>Year</u>	<u>CD Image</u>	Source	
1ST AVE			
1995	pg. A18	EDR Digital Archive	
1992	pg. A22	EDR Digital Archive	
E YAHOOSKI	N ST		
2017	pg. A1	EDR Digital Archive	
2014	pg. A5	EDR Digital Archive	
2010	pg. A10	EDR Digital Archive	
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
N 40T			
<u>N 1ST</u>			
2000	pg. A15	EDR Digital Archive	
N 1ST AVE			
2017	pg. A2	EDR Digital Archive	
2014	pg. A6	EDR Digital Archive	
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
		· ·	, ,
<u>S 1 AVE</u>			
2010	pg. A11	EDR Digital Archive	
S 1ST AVE			
O TOT AVE			
2017	ng A3	EDR Digital Archive	
2017	pg. A3 pg. A7	EDR Digital Archive	
2005	pg. A13	EDR Digital Archive	
2000	pg. A16	EDR Digital Archive	
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1000		LDI Colgital / Hollivo	ranger and rajonning not listed in course

6438323-5 Page 3

#### **FINDINGS**

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
YAHOOSKIN			
2000	pg. A17	EDR Digital Archive	
1995	pg. A21	EDR Digital Archive	
1992	pg. A23	EDR Digital Archive	

6438323-5 Page 4



### E YAHOOSKIN ST 2017

	E YAHOOSKIN S I	2017
440	COV TONIA	
110 119	COX, TONIA HEAD START	
119	KLAMATH TRIBES E E	
207	PHILLIPS, JOHN S	
212	BENDIXEN, LARS	
215	WALLER, RALPH F	
221	TEAFORD, ZACHARIAH	

N 1ST AVE 2017

221	KLAMATH WATER COMMISSION

# S 1ST AVE 2017

117	CHILDERS, MELINDA
	DO IT BEST
	KIRCHERS COAST TO COAST STORE
123	BINDIS BEAUTY BARN
127	CHILOQUIN AGENCY LAKE FIRE DISTRICT
129	BOBS FOOD CENTER
	NORRIS, JEANIE
140	COMMUNITY CORRECTION CHILOQUIN OFFIC
	THREE RIVERS CENTER
	TWO RIVERS GALLERY
212	CHOCKTOOTS BLACK BUFFALO COFFEE
	THE POT BELLY CAFE MAYDRA
216	CHILOQUIN BRANCH LIBRARY
	CHILOQUIN, BRANCH
	OREGON REFLECTIONS INC
218	ATTITUDE
	THE CRAZY DISC
228	UNITED STATES GOVERNMENT
422	OCHOA, ELAINE D

# W CHOCKTOOT ST 2017

	W CHOCKTOOT ST	2017
201	SHELL	
203	WOOLERY, LAWRENCE A	
212	MCKINNON, CHARLES	
323	FAIRWAY MARKET	
324	THE TABLE	
414	FINE BOOKS	
	FINE BOOKS &	
503	OUR LADY OF MOUNT CARMEL	
715	MALDONADO, CHRISTINA	

### E YAHOOSKIN ST 2014

	E YAHOOSKIN ST 2014	
440	COV TONIA	
110	COX, TONIA THE RIVER HOUSE	
115	LAHR, HARLAN	
119	HEAD START	
126	KLAMATH TRIBES EE SOLOMON, MATTHEW	
216	DOE, JOHN	
221	TEAFORD, ZACHARIAH	

N 1ST AVE 2014

221	KLAMATH WATER COMMISSION

# S 1ST AVE 2014

117	CHILDERS, MELINDA
	KIRCHERS COAST TO COAST STORE
123	1ST AVE SALON BOUTIQUE
	BINDIS BEAUTY BARN
127	CHILOQUIN AGENCY LAKE FIRE DISTRICT
129	BOBS FOOD CENTER
	FAMILY FOOD CENTER
	MILLER, CAROLINE
140	CHILOQUIN VISIONS IN PROGRESS
	COMMUNITY CORRECTION CHILOQUIN OFFIC
	THREE RIVERS CENTER
	TWO RIVERS GALLERY
212	CHOCKTOOTS BLACK BUFFALO COFFEE
	THE POT BELLY CAFE MAYDRA
216	CHILOQUIN BRANCH LIBRARY
	CHILOQUIN, BRANCH
	OREGON REFLECTIONS INC
218	ATTITUDE
228	UNITED STATES GOVERNMENT
422	OCHOA, ELAINE D

# W CHOCKTOOT ST 2014

118	KLAMATH TRIBAL COURT
119	STANTON, DANIEL
201	CHILOQUIN SHELL & FOOD MART
203	WOOLERY, LAWRENCE A
212	MCKINNON, CHARLES
227	KUHN, SHARON
323	CLYDES FAIRWAY MARKET
324	THE TABLE
414	BETTER BOOK BARTERS
	FINE BOOKS &
	ORERANCHES
503	OUR LADY OF MOUNT CARMEL
715	MALDONADO, CHRISTINA
833	NICKESON, STEVE L
1030	OCCUPANT UNKNOWN,
1150	BROWN, DICK L
1211	TODD, JOHN H
1235	OCCUPANT UNKNOWN,
1247	BAILEY, HALLARD M
1259	WATSON CLIFFORD R

# CHOCKTOOT ST 2010

	CHOCKIOOTSI	2010
203 414 1150 1235 1247 1259 1320	WOOLERY, LAWRENCE OREGON REFLECTIONS BROWN, DICK L ELLEFSEN, ERIK BAILEY, HALLARD M WATSON, CLIFFORD R HUNT, BRENDA L	

E YAHOOSKIN ST 2010

115	LAHR, HARLAN
126 216	SOLOMON, MATTHEW COLLINS, HEAVEN

S 1 AVE 2010

140 218	CHILOQUIN COMMUNITY CORRECTION ATTITUDE

# CHOCKTOOT ST 2005

1150	BROWN, DICK L
1235	ELLEFSEN, ERIK
1247	BAILEY, HALLARD M
1259	JAYNE, JIM W
1239	JATINE, JIIVI VV

Target Street Cross Street Source

- Cross Street EDR Digital Archive

S 1ST AVE 2005

228	UNITED STATES POSTAL SERVICE

# CHOCKTOOT 2000

121 MEREDITH, SARAH PARK, EUGENE 227 PURSELL, PAUL	

N 1ST 2000

219	CHILOQUIN AWARENESS COMMITTEE HOOPS ACTIVITY CENTER

S 1ST AVE 2000

CHILOQUIN ALTERNATIVE EDUCATION CENTER GAILS WESTERN WEDDING BOUTIQUE & GIFT SHOP CHILOQUIN BRANCH LIBRARY

# YAHOOSKIN 2000

212	WILKINSON, H

**1ST AVE** 1995

208 412 422 426	PUFFENBARGER, KATHY ESQUEDA, CRUZ OCHOA, ELAINE FIMBRES, ROCKY

# CHOCKTOOT 1995

119 121 323 1109 1320	BEAS ANTIQUES & REFINISHING PARK, EUGENE CLYDES FAIRWAY MARKET BRISCOE, J ESTEP, PAULINE

# W CHOCKTOOT ST 1995

220	PAULS AUTOMOTIVE SVC

# YAHOOSKIN 1995

119 203 212	CHILOQUIN HEAD START CASE, EDWARD WILKINSON, H A
216	HICKEY, TIM

1ST AVE 1992

412	ESQUEDA, CRUZ
419	ESTLICK, KEN D
_	

# YAHOOSKIN 1992

212 216	WILKINSON, H A WAMPLER, GLETA

# **Appendix H**

Asbestos and Lead-Based Paint Survey Report, May 17, 20201, Cardno, Inc.



# Asbestos & Lead-Based Paint Survey

Former Markwardt Brothers Garage North 1<sup>st</sup> Avenue and West Chocktoot Street Chiloquin, Klamath County, Oregon

May 17, 2021

Prepared for: City of Chiloquin, Oregon





# Asbestos & Lead-Based Paint Survey Report

Prepared for: Ms. Teresa R. Foreman

City Recorder for the City of Chiloquin

City of Chiloquin, Oregon

127 South 1st Avenue

Chiloquin, Oregon 97624

Project Name: Asbestos & Lead-Based Paint Survey

Former Markwardt Brothers Garage

North 1st Avenue and West Chocktoot Street

Chiloquin, Klamath County, Oregon

Cardno Project #: CHILOQ100

Date: May 17, 2021

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- 3 Building Diagram with ACM/LBP Sample Locations

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- 2 Summary of Paint Chip Analysis and Assessment

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- B Laboratory Analytical Reports
- C Inspector Accreditations

### **Executive Summary**

Cardno has completed a comprehensive Asbestos and limited Lead-Based Paint survey of the former Markwardt Brothers Garage located northeast of the North 1<sup>st</sup> Avenue and West Chocktoot Street intersection in Chiloquin, Oregon. The study property is herein referred to as "the Subject Site/Property" or "the Site" (as generally depicted in **Figures 1 and 2**) and consists of approximately 0.55-acres developed with one commercial structure. The Subject Property and its on-site structure are currently owned by Klamath County. The Subject Site is currently being evaluated for redevelopment.

The Subject Property is located in the downtown area of Chiloquin, Oregon. Historically, the surrounding area has been commercially and residentially developed since the 1920s. The Subject Property is bordered to the north by a commercial property; to the east and south by additional commercial properties; and to the west by a former gas station.

This assessment was performed to satisfy the requirements of the Client (City of Chiloquin) and their assigns (including the prospective purchaser) with respect to potential environmental impairment and liabilities associated with the property due to contamination by hazardous substances. This assessment was completed under the City of Chiloquin's Business of Oregon Brownfield Grant for the site.

In summary, the results of this survey are stated below.

<u>Asbestos:</u> Comparison of the laboratory analytical results to the Occupational Safety and Health Administration's (OSHA) for building materials containing >1% asbestos revealed:

- Interior white skim coat on plaster surfacing, totaling approximately 3,700 square feet (SF), located within the western most portions of the on-site building.
- Interior white texture and joint compound on drywall, totaling approximately 1000 SF, located within the western most portions of the on-site building.
- Interior white caulk, totaling approximately 50linear feet (LF), located on interior west wall windows.

For the purposes of demolition, the ACMs identified during this inspection are considered RACM (regulated ACM). RACM consists of friable ACM, Category I non-friable ACM that has become friable, Category I non-friable ACM that is subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

The following suspect building materials were not sampled and should be considered presumed asbestos containing materials (PACM):

 Exterior building debris from former attached north addition, totaling approximately 650 cubic yards (CY).

The north building addition was constructed around the same time as the main building, and the building debris appeared to have suspect materials. Therefore, the building debris should be considered asbestos containing until sampling by a licensed asbestos inspector indicates otherwise.

<u>Lead-Based Paint:</u> Comparison of the laboratory analytical results to the Environmental Protection Agency (EPA) and Housing and Urban Development (HUD) for paint chips identified the following materials as lead-based paint:

- Red paint on exterior concrete masonry unit (CMU), totaling approximately 3,600 SF, located on the exterior east, south, and west walls.
- Tan/gray paint on interior ceiling, totaling approximately 1,200 SF, located on wood board ceiling on the southwest corner of the building.

Based on the results of the Phase II ESA, Cardno recommends:

- The identified ACMs appears to be in good to fair condition. Prior to any renovation or demolition
  that may cause the ACM to become friable, these materials should be removed or abated by a
  qualified asbestos abatement contractor in compliance with federal, state, and local regulations.
  If the ACM is to be left in place, an Operation and Maintenance (O&M) plan should be
  implemented regarding the handling of the identified ACM.
- The exterior building debris should be considered PACM and treated as ACM until further sampling by a licensed asbestos inspector indicates otherwise.
- The identified lead-based paint appeared to be overall in good to fair condition. The building is not considered a child-occupied facility, the identified LBP can be left intact unless disturbed during renovation or demolition.
- For the purposes of demolition or renovation, if the paint is well adhered to the substrate and will not be cut, sanded, or abraded by mechanical means for sizing than it can be disposed of along with the construction and demolition debris. Loose and flaking lead-containing paint should be removed and containerized as a waste stream for disposal purposes. Once all of the paint materials are collected for disposal, a waste profile sample should be collected to determine if the waste is hazardous. Hazardous materials must be properly containerized, transported, and disposed of in accordance with Resource Conservation Recovery Act (RCRA) standards and regulations.

### 1 Introduction

### 1.1 Purpose

This assessment was completed under the City of Chiloquin's Business of Oregon Brownfield Grant for the subject property. The Client (City of Chiloquin) intends to either renovate or demolish the building.

### 1.2 Site History

The Subject Site historically was identified as the Markwardt Brothers Garage from the 1930s to the 1960s; a second-hand store in the 1970s; and Juniper wood products processing facility in the 1980s. According to the Public Works Department, the building has been vacant since the late 1990s. A building attachment formerly occupied the property north of the on-site building. However, the roof of the former building collapsed and the remainder of the building was demolished in 2015. The northern portion of the property was developed with one structure in the 1930s but was razed and vacant since.

#### 1.3 Property Descriptions

The Subject Site is comprised of one parcel, currently owned by the Klamath County, located in the center of downtown Chiloquin, Oregon as shown on **Figures 2 and 3**. The Subject Property is bound by an auto repair facility to the north, undeveloped/vacant land to the northeast, multi-commercial facilities to the east, Sky Lakes Wilderness Adventures and Klamath Tribal Courts & Child Support Enforcement Office to the southeast, the Hirvi building to the south, a former gas station to the west, and the former Union Oil Bulk Plant property to the northwest.

According to the Klamath County Tax Assessor's website, the Site encompasses two parcels totaling approximately 0.55 acres. The Subject Property currently is developed with a single-story commercial building of concrete block and brick facade construction. A former building addition has been previously demolished and the remains of the building materials remain with the exception of a vault. The building is currently vacant and in the care of Klamath County.

### 1.4 Building Description

During the asbestos and LBP survey, Cardno noted the construction materials utilized for the interior/exterior of the on-site building. The exterior walls of the building were concrete masonry units (CMU) with brick façade and the roof appears to be newly renovated thick plastic over wooden trusses.

The interior walls throughout the building consisted of a combination of CMU and CMU overlain with drywall and/or plaster/stucco. Throughout the interior of the building the floor consists of bare concrete slab. No basement or crawlspace was observed during the survey.

#### 1.5 Previous Assessments

Cardno is also completing a Phase I ESA in concert with this asbestos and lead-based paint survey. This Phase I ESA investigation identified a potential UST(s), auto repair/garage uses, potential mishandling/disposal of chemicals on the Subject Property as well as a Recognized Environmental conditions (RECs) associated with former off-site printing and dry-cleaning facilities. The Phase I ESA report will be submitted to the client under separate cover. However, no prior environmental reports were provided for review.

### 1.6 Limitations / Exceptions of Assessment

A comprehensive asbestos and limited LBP survey was completed by Cardno to identify potential ACM and LBP. Any suspect building materials not sampled and analyzed for asbestos during this investigation should be treated as presumed asbestos containing materials (PACM) until further sampling by a certified inspector indicates otherwise. Any suspect LBP not sampled and analyzed for lead during this investigation should be treated as LBP until further sampling by a certified inspector indicates otherwise. Further, it should be noted that the collection and analysis of roofing materials was not included in the scope of this project.

No other warranty is expressed or implied.

#### 1.7 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by the entity(s) identified in the Executive Summary of this report as the Client, as well as any of its affiliates and their respective successors and assigns, in connection with a commercial real estate transaction involving the property, and in accordance with the terms and conditions in place between Cardno and the Client for this project. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of Cardno is at the sole risk and expense of such third party.

Cardno makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either expressed or implied.

# 2 Sampling Activities

### 2.1 Asbestos Survey

A comprehensive asbestos survey was conducted on April 13, 2021 by Cardno's Mr. Ashton Smithwick, a licensed and accredited asbestos inspector, in accordance with the Asbestos Hazardous Emergency Response Act (AHERA) and Asbestos School Hazard Abatement Reauthorization Act (ASHARA). Mr. Smithwick was assisted by Cardno's Keith Ziobron, P.E. Mr. Smithwick's accreditation certificate is included as **Appendix C**.

In accordance with National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 61-Subpart M, paragraph 145, all asbestos containing materials (ACMs) must be identified and removed prior to disturbance, either during a renovation or demolition. ACM is defined by OSHA as materials that contain greater than 1% asbestos fibers.

The ACM survey included a visual survey of all accessible interior/exterior areas of the on-site building. Destructive testing was performed to verify the existence and extent of ACM in all building materials. The roof and exterior were also included during this survey. This survey was performed in accordance with AHERA and NESHAP protocols.

All suspect materials, or homogeneous areas (HAs) were visually identified. Each HA was visually assess for condition, friability, and quantity. All identified ACMs were classified by their category as denoted by EPA NESHAP and OSHA. These categories include:

- Thermal System Insulation (TSI) insulation typically over pipes, fittings, elbows, boilers, tanks, ducts, etc.
- Surfacing material material that is sprayed, troweled-on, or otherwise applied to surfaces.
- Miscellaneous All other ACMs
- Friable ACM that can be crumbled pulverized or reduced to a powder by hand pressure when dry
- Category I Non-Friable ACM consisting of packing material, gaskets, resilient floor covering, and asphalt roofing products
- Category II Non-Friable All ACM that is not listed in Category I Non-Friable ACM
- Presumed Asbestos Containing Material (PACM) all potential ACM not analytically analyzed

Each HA was visually assessed for condition, friability, and quantity. A summary of the bulk samples collected is included as **Table 1** and sample locations are depicted on **Figure 3**.

During the survey, Cardno collected 23 samples from the former Markwardt Brothers Garage building. All bulk samples were collected and stored in appropriate sample containers, labeled, and delivered to Eurofins EMLab P&K (EMLab) in Norcross, Georgia. EMLab analyzed all samples using Polarized Light Microscopy (PLM) via EPA Method 600/R-93/116. This laboratory is accredited by the National Institute of Standards of Technology (NIST), and is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of the analytical results including the laboratory certification is included in **Attachment B**.

### 2.2 Limited Lead-Based Paint Survey

A limited LBP survey was conducted on April 13, 2020 by Cardno's Mr. Ashton Smithwick, an EPA-accredited LBP inspector. Mr. Smithwick was assisted by Cardno's Keith Ziobron, P.E. All testing was completed in accordance with applicable HUD, state, and federal regulations regarding LBP surveys. No previous LBP sampling information was provided by the client or the property owner.

The LBP testing was performed in accordance with the survey protocol in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. Painted surfaces were tested by collected paint chips of various painted surfaces throughout the interior and exterior of the building. The roof and exterior were not included during this survey. LBP is defined by EPA as containing greater than 0.5% lead in painted materials.

During the survey, Cardno collected 12 paint chips samples from unique locations throughout the interior and exterior of the on-site building. A summary of all paint chip samples collected is included as **Table 2** and sample locations are depicted on **Figure 3**.

The paint chip samples were transferred into appropriate containers, labeled, and shipped to EMLab in Norcross, Georgia. The laboratory analyzed the samples using flame atomic absorption spectrometry (FAAS) via National Institute for Occupational Safety and Health (NIOSH) Method 7082. This laboratory is accredited by the NIST program, and is recognized under the NVLAP. A copy of the analytical results included the laboratory certification is included in **Appendix B**.

### 3 Analytical Results

### 3.1 Asbestos-Containing Materials

- Interior white skim coat on plaster surfacing, totaling approximately 3,600 square feet (SF), located within the western most portions of the on-site building.
- Interior white texture and joint compound on drywall, totaling approximately 800 SF, located within the western most portions of the on-site building.
- Interior white caulk, totaling approximately 30 linear feet (LF), located on interior west wall windows.

The interior skim coat identified totaled approximately 3,600 SF and was located within the western most portions of the on-site building. This material was in fair condition and considered a friable surfacing material.

The texture and joint compound on drywall totaled approximately 800 SF and was located in Rooms 2 and 3. This material was in fair condition and considered a miscellaneous Category I non-friable material.

The interior white caulk totaled approximately 30 LF and was located in Room 3. This material was in good condition and considered a miscellaneous Category II non-friable material.

The following materials were not sampled and should be considered PACM:

• Exterior building debris from former attached north addition, totaling approximately 650 CY.

The north building addition was constructed around the same time as the main building, and the building debris appeared to have suspect materials. Therefore, the building debris should be considered asbestos containing until sampling by a licensed asbestos inspector indicates otherwise.

Photos of some of the identified ACMs are included as **Attachment A**.

The laboratory report is included as **Attachment B** with results summarized in **Table 1**.

#### 3.2 Lead-Based Paint

In accordance with EPA, any paint containing 0.5% by weight of lead is categorized as containing lead. Based on the paint chip sampling results, the following painted surface tested positive for lead-based paint:

- Red paint on CMU on the south exterior wall, totaling approximately 3,600 SF.
- Tan/gray paint on wood on the Room 3 ceiling, totaling approximately 1,200 SF.

Photos of some of the identified LBPs are included as **Attachment A**. The laboratory report is included as **Appendix B** with results summarized in **Table 2**.

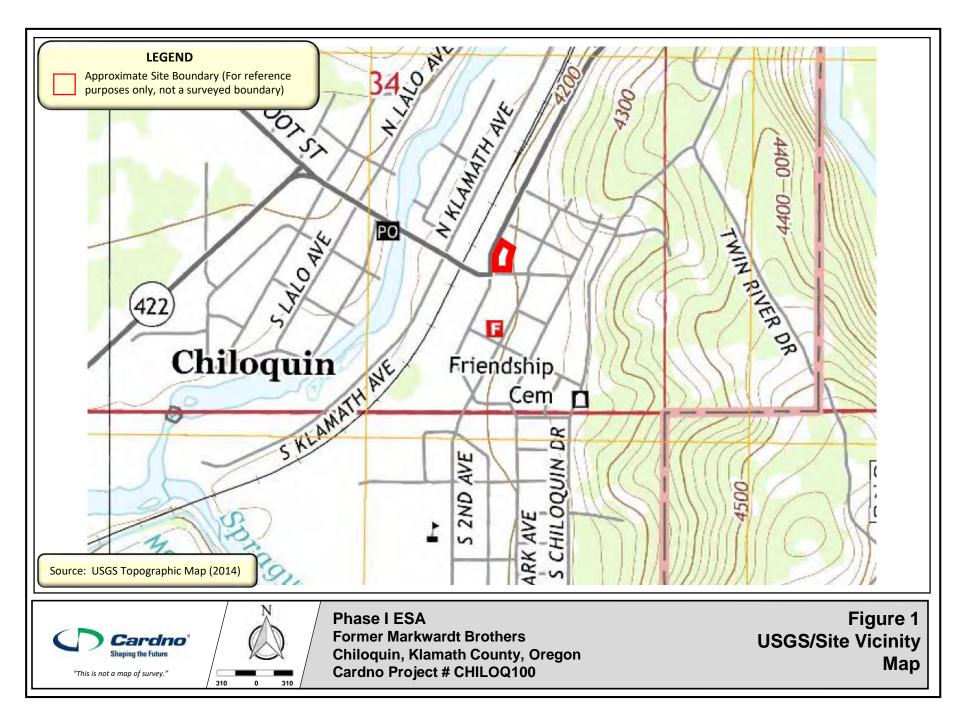
# 4 Conclusions/Recommendations

Based on the results of this Phase II ESA:

- The identified ACMs appears to be in good to fair condition. Prior to any renovation or demolition
  that may cause the ACM to become friable, these materials should be removed or abated by a
  qualified asbestos abatement contractor in compliance with federal, state, and local regulations.
  If the ACM is to be left in place, an O&M plan should be implemented regarding the handling of
  the identified ACM.
- The exterior building debris should be considered PACM and treated as ACM until further sampling by a licensed asbestos inspector indicates otherwise.
- The identified lead-based paint appeared to be overall in good to fair condition. The building is not considered a child-occupied facility, the identified LBP can be left intact unless disturbed during renovation or demolition.
- For the purposes of demolition or renovation, if the paint is well adhered to the substrate and will not be cut, sanded, or abraded by mechanical means for sizing than it can be disposed of along with the construction and demolition debris. Loose and flaking lead-containing paint should be removed and containerized as a waste stream for disposal purposes. Once all of the paint materials are collected for disposal, a waste profile sample should be collected to determine if the waste is hazardous. Hazardous materials must be properly containerized, transported, and disposed of in accordance with RCRA standards and regulations.

# **Figures**







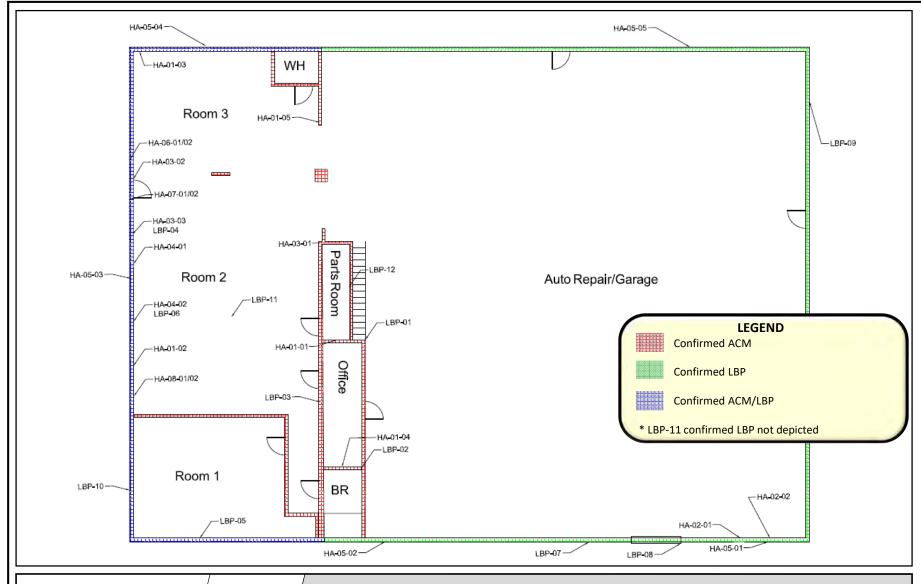


"This is not a map of survey."



Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Cardno Project # CHILOQ100

Figure 2 Site Boundary Map







Phase I ESA
Former Markwardt Brothers
Chiloquin, Klamath County, Oregon
Cardno Project # CHILOQ100

Figure 3
Building Diagram with
ACM/LBP Sample Locations

## **Tables**



TABLE 1: SUMMARY OF BULK SAMPLE ANALYSIS AND ASSESSMENT FACILITY NAME: FORMER MARKWARDT BROTHERS GARAGE CHILOQUIN, OREGON

HA ID	Date	HA Description	Material Location	Percent and Type of Asbestos	Estimated Quantity	Type of ACM <sup>2</sup>	Friability <sup>3</sup>	Physical Condition
				Detected <sup>1</sup>	-			
HA-01-01	4/13/21	Interior plaster surfacing (Off-white plaster)	Parts room	NAD	N/A	N/A	NF	Good
HA-01-02	4/13/21	Interior plaster surfacing (white skim coat)	Room 2	2% CH	3,600 SF*	SM	F	Good
HA-01-03	4/13/21	Interior plaster surfacing (Off-white plaster)	Room 3	NAD	N/A	N/A	NF	Good
HA-01-04A	4/13/21	Interior plaster surfacing (white skim coat)	Office	2% CH	3,600 SF*	SM	F	Good
HA-01-04B	4/13/21	Interior plaster surfacing (Off-white plaster)	Office	NAD	N/A	N/A	NF	Good
HA-01-05	4/13/21	Interior plaster surfacing (Off-white plaster/gray debris)	Room 3	NAD	N/A	N/A	NF	Good
HA-02-01	4/13/21	Window glazing, gray	Auto repair/Garage	NAD	N/A	N/A	NF	Good
HA-02-02	4/13/21	Window glazing, gray Window glazing, gray	Auto repair/Garage	NAD	N/A	N/A	NF	Good
HA-03-01A	4/13/21	Drywall (Texture)	Room 3	2% CH	800 SF**	Misc. Cat	NF	Fair
HA-03-01B	4/13/21	Drywall (Cream tape)	Room 3	NAD	N/A	N/A	NF	Fair
HA-03-01C	4/13/21	Drywall (Joint Compound)	Room 3	2% CH	800 SF**	Misc. Cat	NF	Fair
HA-03-01D	4/13/21	Drywall (with brown paper)	Room 3	NAD	N/A	N/A	NF	Fair
HA-03-02A	4/13/21	Drywall (Texture)	Room 2	2% CH	800 SF**	Misc. Cat	NF	Fair
HA-03-02B	4/13/21	Drywall (Cream tape)	Room 2	NAD	N/A	N/A	NF	Fair
HA-03-02C	4/13/21	Drywall (Joint Compound)	Room 2	2% CH	800 SF**	Misc. Cat	NF	Fair
HA-03-02D	4/13/21	Drywall (with brown paper)	Room 2	NAD	N/A	N/A	NF	Good
HA-03-03A	4/13/21	Drywall (Texture)	Room 2	NAD	N/A	N/A	NF	Good
HA-03-03B	4/13/21	Drywall (Cream tape)	Room 2	NAD	N/A	N/A	NF	Good
HA-03-03C	4/13/21	Drywall (Joint Compound)	Room 2	NAD	N/A	N/A	NF	Good
HA-03-03D	4/13/21	Drywall (with brown paper)	Room 2	NAD	N/A	N/A	NF	Good
HA-04-01	4/13/21	Wall felt, black	Room 2	NAD	N/A	N/A	NF	Good
HA-04-02	4/13/22	Wall felt, black	Room 2	NAD	N/A	N/A	NF	Good
HA-05-01A	4/13/21	Exterior plaster surfacing (skim coat)	Southeast ext. wall	NAD	N/A	N/A	NF	Good
HA-05-01B	4/13/21	Exterior plaster surfacing (gray plaster)	South ext. wall	NAD	N/A	N/A	NF	Good
HA-05-02	4/13/21	Exterior plaster surfacing (gray plaster)	Southwest ext. wall	NAD	N/A	N/A	NF	Good
HA-05-03	4/13/21	Exterior plaster surfacing (gray plaster)	West ext. wall	NAD	N/A	N/A	NF	Good
HA-05-04	4/13/21	Exterior plaster surfacing (gray plaster)	Northwest ext. wall	NAD	N/A	N/A	NF	Good
HA-05-05	4/13/21	Exterior plaster surfacing (gray plaster)	Northeast ext. wall	NAD	N/A	N/A	NF	Good
HA-06-01	4/13/21	Exterior gray caulk	West ext. wall	NAD	N/A	N/A	NF	Good
HA-06-02	4/13/21	Exterior gray caulk	West ext. wall	NAD	N/A	N/A	NF	Good
HA-07-01	4/13/21	Exterior white caulk	West ext. wall	NAD	N/A	N/A	NF	Good
HA-07-02	4/13/21	Exterior white caulk	West ext. wall	NAD	N/A	N/A	NF	Good
HA-08-01	4/13/21	Interior white caulk	Room 2	2% CH	30 LF	Misc. Cat 2	NF	Good
HA-08-02	4/13/21	Interior white caulk	Room 2	2% CH	30 LF	Misc. Cat 2	NF	Good
N/A	4/13/21	Building debris	Exterior north addition	N/A	650 CY	PACM	F	Poor

<sup>\*</sup>White skim coat on plaster quantity is obtained estimated total quantity of assocated plaster
\*\*Joint compound and texture quantity is obtained estimated total quantity of associated drywall

#### TABLE 2: SUMMARY OF PAINT CHIP ANALYSIS AND ASSESSMENT FACILITY NAME: FORMER MARKWARDT BROTHERS GARAGE

CHILOQUIN, OREGON

Sample ID	Date	Location	Color	Substrate	Percentage Lead	Estimated Quantity	Physical Condition
LBP-01	4/13/21	Auto repair/Garage	White	Wood	0.150%	N/A	Not Intact
LBP-02	4/13/21	Office	Yellow	Plaster	0.038%	N/A	Intact
LBP-03	4/13/21	Office	Pink	Wood	0.082%	N/A	Intact
LBP-04	4/13/21	Room 2	White	Drywall	BRL	N/A	Intact
LBP-05	4/13/21	Room 1	Blue	СМИ	0.0062%	N/A	Intact
LBP-06	4/13/21	Room 2	Green	CMU	0.0042%	N/A	Intact
LBP-07	4/13/21	South Exterior Wall	Red	Plaster	2.000%	3,600 SF	Not Intact
LBP-08	4/13/21	South Exterior Wall (garage door)	Green	Metal	0.0210%	N/A	Intact
LBP-09	4/13/21	East Exterior Wall	Red	СМИ	0.0110%	N/A	Intact
LBP-10	4/13/21	West Exterior Wall	Red	Wood	0.0120%	N/A	Intact
LBP-11	4/13/21	Room 2	Tan/gray	Wood	6.60%	1,200 SF	Not Intact
LBP-12	4/13/21	Parts Room	Green	Wood	0.0120%	N/A	Not Intact

Notes: NM - not measured

n/a - not applicable

LF = linear feet

BRL = Below Laboratory Reporting

SF = square feet Limit

# Appendix A Photographic Log





#### **PHOTOGRAPHIC LOG**

Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southwest

#### Description:

Confirmed ACM: White skim coat on plaster surfacing located in Room 2



Photo No.

Date: 4/13/2021

### Direction Photo Taken:

Southeast

#### Description:

Confirmed ACM: White texture and joint compound on drywall located in Room 2.





#### **PHOTOGRAPHIC LOG**

Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southwest

#### Description:

Confirmed ACM: Interior white caulk located in Room 2.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

#### Description:

Confirmed ACM: Exterior red paint on plaster surfacing.





#### **PHOTOGRAPHIC LOG**

Site Location:

Former Markwardt Brothers, Chiloquin, Oregon 97624

Project CHILOQ100

Photo No.

Date: 4/13/2021

Direction Photo Taken:

N/A

#### Description:

Confirmed LBP: Interior tan/gray paint on wood ceiling located in Room 2.



Photo No.

Date: 4/13/2021

Direction Photo Taken:

Southeast

#### Description:

Pile of building debris is PACM.



# Appendix B Laboratory Analytical Reports





Report for:

W. Ashton Smithwick Cardno 6611 Bay Circle Suite 220 Norcross, GA 30071

Regarding:

Project: Chiloquin Garage

EMĹ ID: 2620350

Approved by:

Approved Signatory

Tracy Garcia

Dates of Analysis:

Asbestos PLM: 04-21-2021

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267) NVLAP Lab Code 201060-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Lab ID-Version 1: 12512424-1

EMLab ID: 2620350, Page 2 of 7

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 C/O: W. Ashton Smithwick Re: Chiloquin Garage

Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

**Total Samples Submitted:** 23

**Total Samples Analyzed:** 23

**Total Samples with Layer Asbestos Content > 1%:** 6

#### Location: 01-01, Interior plaster surfacing

Sample Layers	Asbestos Content
Off-White Plaster	ND
Sample Composite Homogeneity:	Poor

#### Location: 01-02. Interior plaster surfacing

Location: 01-02, Interior plaster surfacing	Lab ID-Version‡: 12512425-1
Sample Layers	Asbestos Content
White Skim Coat with Tan Paint	2% Chrysotile
Sample Composite Homogeneity:	Poor

#### Location: 01-03, Interior plaster surfacing

Location: 01-03, Interior plaster surfacing	Lab ID-Version‡: 12512426-1
Sample Layers	Asbestos Content
Off-White Plaster	ND
Sample Composite Homogeneity:	Poor

#### Location: 01-04 Interior plaster surfacing

Location: 01-04, Interior plaster surfacing	Lab ID-Version‡: 12512427-1	
Sample Layers	Asbestos Content	
White Skim Coat	2% Chrysotile	
Off-White Plaster	ND	
Sample Composite Homogeneit	ty: Poor	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version‡: 12512428-1

Lab ID-Version 1: 12512429-1

Lab ID-Version 1: 12512430-1

EMLab ID: 2620350, Page 3 of 7

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno C/O: W. Ashton Smithwick Re: Chiloquin Garage Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

Location: 01-05, Interior plaster surfacing

Sample Layers	Asbestos Content
Off-White Plaster / Gray Debris	ND
Sample Composite Homogeneity:	Poor

Location: 02-01, Window glazing

Sample Layers	Asbestos Content		
Gray/White Window Glazing	ND		
Sample Composite Homogeneity: Moderate			

Location: 02-02, Window glazing

Sample Layers	Asbestos Content	
Gray/White Window Glazing	ND	
Sample Composite Homogeneity: Moderate		

Location: 03-01, Drywall Lab ID-Version‡: 12512431-1

Sample Layers	Asbestos Content	
White Texture	2% Chrysotile	
Cream Tape	ND	
White Joint Compound	2% Chrysotile	
White Drywall with Brown Paper	ND	
Composite Asbestos Fibrous Content:	< 1% Asbestos	
Composite Non-Asbestos Content:	15% Cellulose	
Sample Composite Homogeneity:	Moderate	

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version‡: 12512433-1

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno C/O: W. Ashton Smithwick Re: Chiloquin Garage Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

Lab ID-Version‡: 12512432-1

Sample Layers	Asbestos Content
White Texture	2% Chrysotile
Cream Tape	ND
White Joint Compound	2% Chrysotile
White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: 03-03, Drywall

Sample Layers	Asbestos Content
White Texture with Paint	ND
Cream Tape	ND
White Joint Compound (Trace)	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 04-01, Wall felt

Lab ID-Version‡: 12512434-1

Sample Layers	Asbestos Content
Black Felt	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 04-02. Wall felt Lab ID-Version:: 12512435-1

Sample Layers	Asbestos Content
Black Felt	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version‡: 12512436-1

Lab ID-Version 1: 12512438-1

EMLab ID: 2620350, Page 5 of 7

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno

C/O: W. Ashton Smithwick Re: Chiloquin Garage

Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

Location: 05-01, Exterior plaster surfacing

Sample Layers	Asbestos Content
Off-White Skim Coat	ND
Gray Plaster	ND
Sample Composite Homogeneity: Moderate	

Location: 05-02, Exterior plaster surfacing	Lab ID-Version‡: 12512437-1
Sample Layers	Asbestos Content
Gray Plaster / Red Paint	ND
Sample Composite Homogeneity:	Moderate

Location: 05-03. Exterior plaster surfacing

Sample Layers	Asbestos Content
Gray Plaster / Red Paint	ND
Sample Composite Homogeneity:	Moderate

Location: 05-04, Exterior plaster surfacing	Lab ID-Version‡: 12512439-1
Sample Layers	Asbestos Content
Light Gray Plaster	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version : 12512441-1

Lab ID-Version 1: 12512442-1

EMLab ID: 2620350, Page 6 of 7

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno C/O: W. Ashton Smithwick Re: Chiloquin Garage

Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

Location: 05-05, Exterior plaster surfacing

Location: 05-05, Exterior plaster surfacing	Lab ID-Version‡: 12512440-1
Sample Layers	Asbestos Content
Light Gray Plaster	ND
Sample Composite Homogeneity:	Good

Location: 06-01, Ext. gray caulk

	•
Sample Layers	Asbestos Content
Dark Gray Caulk / Red Paint/ Brown Wood	ND
Composite Non-Asbestos Content:	6% Cellulose
Sample Composite Homogeneity:	Good

Location: 06-02, Ext. grav caulk

	·
Sample Layers	Asbestos Content
Dark Gray Caulk / Red Paint/ Brown Wood	ND
Composite Non-Asbestos Content:	6% Cellulose
Sample Composite Homogeneity:	Good

Location: 07-01, Ext. white caulk	Lab ID-Version‡: 12512443-1
Sample Layers	Asbestos Content
Off-White Caulk / Red Paint/ White Paint	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version 1: 12512445-1

Lab ID-Version 1: 12512446-1

EMLab ID: 2620350, Page 7 of 7

6215 Regency Parkway, Suite 900, Norcross, GA 30071 (866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Cardno C/O: W. Ashton Smithwick Re: Chiloquin Garage Date of Sampling: 04-13-2021 Date of Receipt: 04-16-2021 Date of Report: 04-21-2021

#### ASBESTOS PLM REPORT

Location: 07-02, Ext. white caulk

Lab ID-Version‡: 12512444-1

Sample Layers	Asbestos Content
Off-White Caulk / Red Paint/ White Paint	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Good

Location: 08-01, Int. white caulk

Escation: 60 61, Inc. white cause	
Sample Layers	Asbestos Content
Cream Caulk	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: 08-02, Int. white caulk

Sample Layers	Asbestos Content
Cream Caulk	2% Chrysotile
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.



Report for:

W. Ashton Smithwick Cardno 6611 Bay Circle Suite 220 Norcross, GA 30071

Regarding: Project: Chiloquin Garage

EMĹ ID: 2620350

Approved by:

Danny Li

Dates of Analysis:

Lead - Flame AA: 04-22-2021

Service SOPs: Lead - Flame AA (EM-BC-S-8443)

Laboratory Manager

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Sample size, as it relates to Wipe samples only, is supplied by the client.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab ID: 2620350, Page 2 of 4

17461 Derian Ave, Suite 100, Irvine, CA 92614 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Cardno Date of Sampling: 04-13-2021 C/O: W. Ashton Smithwick Date of Receipt: 04-16-2021 Re: Chiloquin Garage Date of Report: 04-23-2021

#### LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

Location:	LBP-01	LBP-02	LBP-03	LBP-04
Comments (see below)	None	None	None	None
Lab ID-Version‡:	12512447-1	12512448-1	12512449-1	12512450-1
Analysis Date:	04/22/2021	04/22/2021	04/22/2021	04/22/2021
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified			
† Method Reporting Limit	38 ppm	39 ppm	40 ppm	39 ppm
Sample size	0.2601 grams	0.2559 grams	0.2508 grams	0.2574 grams
§Total Lead Result	1500 ppm	380 ppm	820 ppm	< 39 ppm

#### **Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

- \*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.
- † The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.
- § Total Lead Result has been rounded to two significant figures to reflect analytical precision.
- $\ddagger$  A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab ID: 2620350, Page 3 of 4

17461 Derian Ave, Suite 100, Irvine, CA 92614 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Cardno Date of Sampling: 04-13-2021 C/O: W. Ashton Smithwick Date of Receipt: 04-16-2021

C/O: W. Ashton Smithwick Date of Receipt: 04-16-202 Re: Chiloquin Garage Date of Report: 04-23-2021

#### LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

Location:	LBP-05	LBP-06	LBP-07	LBP-08
Comments (see below)	None	None	None	None
Lab ID-Version‡:	12512451-1	12512452-1	12512453-1	12512454-1
Analysis Date:	04/22/2021	04/22/2021	04/22/2021	04/22/2021
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified			
† Method Reporting Limit	40 ppm	40 ppm	37 ppm	58 ppm
Sample size	0.2522 grams	0.2527 grams	0.2670 grams	0.1736 grams
§Total Lead Result	62 ppm	42 ppm	20000 ppm	210 ppm

#### **Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

- \*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.
- † The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.
- § Total Lead Result has been rounded to two significant figures to reflect analytical precision.
- $\ddagger$  A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab ID: 2620350, Page 4 of 4

17461 Derian Ave, Suite 100, Irvine, CA 92614 (866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: Cardno Date of Sampling: 04-13-2021 C/O: W. Ashton Smithwick Date of Receipt: 04-16-2021 Re: Chiloquin Garage Date of Report: 04-23-2021

#### LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

Location:	LBP-09	LBP-10	LBP-11	LBP-12
Comments (see below)	None	None	None	None
Lab ID-Version‡:	12512455-1	12512456-1	12512457-1	12512458-1
Analysis Date:	04/22/2021	04/22/2021	04/22/2021	04/22/2021
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified			
† Method Reporting Limit	38 ppm	40 ppm	38 ppm	40 ppm
Sample size	0.2628 grams	0.2496 grams	0.2604 grams	0.2512 grams
§Total Lead Result	110 ppm	120 ppm	66000 ppm	120 ppm

#### **Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

- \*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.
- † The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.
- § Total Lead Result has been rounded to two significant figures to reflect analytical precision.
- $\ddagger$  A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

# Appendix C Inspector Accreditations



### The Environmental Institute

## William Smithwick

Social Security Number - XXX-XX-1496 Cardno - 6611 Bay Circle, Suite 220, Norcross, GA 30071

Has completed 4 hours of coursework and satisfactorily passed an examination that meets all criteria required for EPA/AHERA/ASHARA (TSCA Title II) Approved Reaccreditation

Asbestos in Buildings: Inspector Refresher

November 19, 2020
Course Date

18209

Certificate Number

November 19, 2020
Examination Date

November 18, 2021
Expiration Date

David W. Hoque - Training Manager



(Approved by the ABIH Certification Maintenance Committee for 1/2 CM point - Approval #11-577)

(Florida Provider Registration Number FL49-0001342 - Course #FL49-0002805) TEI - 1395 S. Marietta Parkway SE - Building 100, Suite 124 - Marietta, GA 30067 Phone: 770-427-3600 - Website: www.tei-atl.com

### The Environmental Institute

# William Smithwick

Social Security Number - XXX-XX-1496 Cardno - 2010 Druid Hills Reserve Drive NE - Atlanta, Georgia 30329

Has completed 24 hours of coursework and satisfactorily passed the hands-on skills assessment and an examination that meets training criteria in accordance with requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities as regulated by Georgia DNR/EPD Chapter 391-3-24 and U. S. EPA TSCA 40 CFR Part 745 for the initial course titled

Lead Inspector: EPA (Target Housing & Child-Occupied Facilities)

February 24-26, 2020

February 26, 2020
Examination Date

August 26, 2020
EPA Interim Expiration Date

February 25, 2022
Georgia Expiration Date

February 25, 2023
EPA Expiration Date

David W. Hogue - Principal Instructor / Training Manager

5300



(Approved by the ABIH Certification Maintenance Committee for 3 CM points - Approval #11-563) TEI - 1395 S. Marietta Parkway SE - Building 100, Suite 124 - Marietta, GA 30067 Phone: 770-427-3600 - Website: www.tei-atl.com

(State of Georgia Accredited - Certification No. 20-0799-0061 - January 15, 1997)