

***FINAL***

**ENVIRONMENTAL CONDITION OF  
PROPERTY REPORT**

**PFC JOE E. MANN  
U.S. ARMY RESERVE CENTER WA032  
4415 NORTH MARKET STREET  
SPOKANE, WA 99207**

***Prepared For:***

**U.S. Army Corps of Engineers – Louisville District  
Engineering Division – Environmental Engineering Branch  
600 Dr. Martin Luther King, Jr. Place  
Louisville, Kentucky 40202-2232**

**MARCH 2007**

## CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DOD) requirements for completion of an Environmental Condition of Property (ECP) Report.

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**STEPHEN A. RIVERA**  
**Environmental Division ARIM**  
**Chief Environmental Division**  
**70th Regional Readiness Command**

**DATE**

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.



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**LENARD GUNNELL, P.G.**  
**Project Geologist**  
**U.S. Army Corps of Engineers**

**DATE**

## EXECUTIVE SUMMARY

Lawhon & Associates, Inc. (Lawhon), in conjunction with Fuller, Mossbarger, Scott and May Engineers, Inc. (FMSM), under contract to the U.S. Army Corps of Engineers (USACE), Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the Pfc. Joe E. Mann U.S. Army Reserve Center (Facility ID WA032), hereafter referred to as the "Site" or "USAR Center." The Site is located at 4415 North Market Street, Spokane County, Spokane, Washington, and encompasses approximately 7 acres.

This ECP Report was prepared in conformance with primary Department of Defense and Army guidance, the Department of Defense's Base Redevelopment and Realignment Manual, DoD 4165.77-M (BRRM), Army regulations and the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance.

This ECP Report details the history of the property, including the U.S. Army Reserve and any prior tenant uses of the Site and the resulting environmental condition of the property.

The USAR Center facility is situated on approximately 7 acres of land, located in a predominantly commercial and residential area, in the City of Spokane, Washington. The Site consists of two permanent buildings: a 27,237 square-foot administration building and a 10,289 square-foot area maintenance and support activity (AMSA #80) shop (Note: in different drawings, figures and reports the AMSA shop is referred to as the organizational maintenance shop (OMS), AMSA, or both. For this report AMSA will be used). The USAR Center is currently occupied by the 981<sup>st</sup> Medical Detachment, the 396<sup>th</sup> Medical Detachment (Storage), the 643<sup>rd</sup> (Training), the 22<sup>nd</sup> Legal Defense Organization Trial Defense Services, and AMSA #80.

Based on a review of aerial photographs dating back to 1982 and U.S. Geological Survey (USGS) topographic maps dating back to 1901, the Site has served as a USAR Center since 1953 when the administration and AMSA buildings were constructed. The land and buildings are owned by the U.S. Government.

Areas of potential environmental concern were reviewed and Lawhon identified petroleum impacts relating to the USAR use of this property. Records indicate petroleum contaminated soils were encountered and removed during the 1991 removal of a former heating oil underground storage tank (UST). In addition, Washington Department of Ecology (WDOE) records show that there was a 250-gallon release of unleaded fuel in 1992 due to an auto/truck incident. The specific location on the Site was not identified; however, the report does state that the spill occurred on an asphalt

area. WDOE reported fuel had penetrated the asphalt to the soils below. Soil sampling and remediation activities are not reported.

In accordance with Department of Defense policy defining the classifications (See Deputy Under Secretary of Defense Goodman Memorandum dated 21 October 1996), the Property has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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## LIST OF ACRONYMS

ACM	Asbestos Containing Material
AIRS	Aerometric Information Retrieval System
AMSA	Area Maintenance Support Activity
AR	Army Regulation
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
C-DOCKET	Criminal Docket System
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CERFA	Community Environmental Response Facilitation Act
CESQGs	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations
CONEX	Container Express
CSCSL	Confirmed and Suspected Contaminated Sites List
DOCKET	Enforcement Docket
DOD	Department of Defense
DRMO	Defense Reutilization Marketing Office
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
E2M	Engineering-Environmental Management, Inc.
FEMA	Federal Emergency Management Agency

FFIS	Federal Facilities Information System
FINDS	Facility Index System/Facility Registry System
FMSM	Fuller, Mossbarger, Scott and May Engineers, Inc.
FURS	Federal Underground Injection Control
HSWA	Hazardous and Solid Waste Amendments
IFR	Indoor Firing Range
kg	Kilogram
KPFF	KPFF Consulting Engineers
Lawhon	Lawhon & Associates, Inc.
LQG	Large Quantity Generator
LBP	Lead Based Paint
LUST	Leaking Underground Storage Tank
MEC	Munitions and Explosives of Concern
MEP	Military Equipment Parking
NFA	No Further Action
NPL	National Priorities List
OMS	Organizational Maintenance Shop
OWS	Oil/Water Separator
PADS	PCB Activity Data System
PCB	Polychlorinated Biphenyls
PCS	Permit Compliance System
pCi/l	PicoCuries per Liter of Air
POL	Petroleum, Oil, and Lubricant

POV	Privately Owned Vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RQ	Reportable Quantity
RRC	Regional Readiness Command
Site	U.S. Army Reserve Center WA032
SOW	Scope of Work
SQG	Small Quantity Generator
STATE	State Environmental Laws and Statute
TSD	Treatment, Storage, or Disposal
TPH	Total Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
ug/sf	Micrograms per square foot
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
WDOE	Washington Department of Ecology

## 1.0 INTRODUCTION

Lawhon & Associates, Inc., Columbus, Ohio was authorized to prepare an Environmental Condition of Property report for the Pfc. Joe E. Mann U.S. Army Reserve Center (WA032). The facility is located at 4415 North Market Street, Spokane County, Spokane, Washington, hereafter referred to as the "Site" or "USAR Center". In support of the ECP Report, a visual reconnaissance of the Site was conducted on September 6, 2006. The purpose of the visit was to visually obtain information indicating the environmental condition of property at the Site.

### 1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY (ECP)

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions;
- Provide the public with information relative to the environmental condition of the property;
- Assist in community planning for the reuse of Base Realignment and Closure (BRAC) property;
- Assist Federal agencies during the property screening process;
- Provide information for prospective buyers;
- Assist prospective new owners in meeting the requirements under EPA's "All Appropriate Inquiry" regulations;
- Provide information about completed remedial and corrective actions at the property;
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more – specifically, quantities exceeding 1,000 kilograms or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or one kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP Report address asbestos, lead-based paint, radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

## **1.2 SCOPE OF SERVICES**

This ECP report covers the 7-acre USAR Center located at 4415 North Market Street, Spokane County, Spokane, Washington. The property is located near the northwest corner of Market Street. Market Street borders the Site on the east, Heroy Avenue to the north and Haven Street to the west. Haven Street merges with North Market Street at the southern tip of the Site. Site maps are provided in Appendix A. Appendix B provides photographs taken during the September 2006 site visit. Appendix C provides the environmental lien documents for the property and chain of title information. Historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) reports.

This ECP report classifies the property into one of seven DoD Environmental ECP categories as defined by the Deputy Under Secretary of Defense S. Goodman Memorandum, "Clarification of 'Uncontaminated' Environmental Condition of Property at BRAC Installations" (21 October 1996). The property classification categories are as follows:

- Category 1 – Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).
- Category 2 – Areas where only the release or disposal of petroleum products has occurred.
- Category 3 – Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

- Category 4 – Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.
- Category 5 – Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are under way, but all required remedial actions have not yet been taken.
- Category 6 – Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.
- Category 7 – Areas that are not evaluated or require additional evaluation.

## 2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

### 2.1 SITE LOCATION

The USAR Center is located within the city limits of Spokane, Washington in a primarily commercial and residential area. Figure 1 in Appendix A provides a general site location map.

### 2.2 ASSET INFORMATION

Facility Name and Address: Pfc. Joe E. Mann U.S. Army Reserve Center WA032  
4415 North Market Street  
Spokane, WA 99207

Property Owner: The United States Government owns the land and buildings.

Date of Purchase: May 1, 1947

Current Occupants:

- 981<sup>st</sup> Medical Detachment
- 396<sup>th</sup> Medical Detachment (Storage)
- 22<sup>nd</sup> Legal Defense Organization Trial Defense Services
- 643<sup>rd</sup> (Training)
- AMSA 80

Zoning: CC2 – Center/Corridor – Commercial/Residential

County, State: Spokane County, Washington

USGS Quadrangle(s): Spokane NE, Washington

Section/Township/Range: Section 3, Township 25 North, Range 43 East

Latitude/Longitude: 47° 41' 52.1"; 117° 21' 54.0"

Legal Description: Lots 1 through 12 of Block 97; Lots 1 through 12 of Block 86; and Lots 1, 2, 3, 4, 12 and portions of Lots 5, 6, 8, 9, 10 and 11 of Block 83; all in North Minnehaha Addition, situated and lying in the

Northwest ¼ of the Northwest ¼ of Section 3,  
Township 25 North, Range 43 East of the Willamette  
Meridian, City and County of Spokane, State of  
Washington. Assessor's Parcel No: 35032.2301

### **2.3 PHYSICAL DESCRIPTION**

The USAR Center is situated on approximately 7 acres of land with two permanent structures: a 27,237 square-foot main administration building and a 10,289 square-foot AMSA shop. Construction of the administration building and AMSA shop occurred in 1953. An addition was added on the administration building in 1974. Since 1974, several renovations have occurred, but the configuration of the buildings has basically remained the same. The AMSA shop underwent a number of renovations, with the most recent being the addition of a metal rectangular structure in 2001.

Both original structures consist of decorative brick over CMU building block. Both buildings rest upon concrete foundations. A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area are present at the Site. Photograph 3 in Appendix B provides a view of the POV area. Photographs 5 and 6 in Appendix B provide views of the MEP area. Chain-link security fencing topped with barbed wire encloses the Site. In addition, chain-link security fencing topped with barbed wire separates the POV area from the main administration building, MEP area, and AMSA shop. Approximately 80% of the Site is covered by impervious surface features (e.g., asphalt parking areas, driveways, concrete walkways, building footprints, etc.). Lawn, gravel and a sparse population of landscape shrubs and trees cover the remaining ground surface. Topographically, the Site is relatively flat and contains little relief. Figure 2 in Appendix A provides a current plan view layout of the Site. Appendix B also provides photographs taken during the September 2006 site visit.

The original 1953 portion of the administration building consisted of a two-story, rectangular structure, attached to a one-story rectangular structure and a one and a half story drill hall structure. An addition in 1974 included adding a second floor to the original one-story structure, as well as adding a new one-story rectangular structure. The USAR Center is currently an irregular-shaped structure with one- and two-story administration sections, and a one-and a half-story drill hall. Photograph 1 in Appendix B provides a southwest view of the exterior of the building. Photograph 2 in Appendix B provides a west (front) view of the exterior of the building. The interior of the administration building consists of office space, classrooms, kitchen area, storage areas, and a drill hall. A locked arms vault is located within the administration building. Site personnel stated that no ammunition is stored or located at the Site. The basement of the administration building contains offices and storage space, but also is the site of a former dental office and indoor firing range (IFR). Photographs 10, 11, 29, 37 and 39 in

Appendix B provide interior views of the administration building. Figures 3 and 4 in Appendix A provide layouts of the interior of the administration building.

The AMSA shop is a one-story, irregular shaped structure, with a second level mezzanine balcony along the south end of the western wall. The shop is comprised of five service bays, an oil distribution room, a battery room, and other miscellaneous material, office, and equipment storage areas. Five overhead metal, retractable doors are located on the east wall of the buildings. Photographs 4, 9, and 13 in Appendix B show exterior views of the AMSA shop. Photographs 7, 12, 21, and 28 in Appendix B show the interior of the AMSA shop. Figure 5 in Appendix A provides a layout of the interior of the AMSA shop.

Slotted floor drains run along the east wall just outside the AMSA shop, in front of three of the bay doors. These drain to the city sanitary sewer system.

Numerous and a variety of vehicles were located within the MEP area during the September 2006 Site visit. In addition, 3 hazardous material (hazmat) sheds and numerous non-permanent metal Container Express (CONEX) structures were located in the MEP area south of the AMSA shop (see Photographs 5 and 14 – 17 in Appendix B).

One 250-gallon, double-walled concrete used aboveground storage tank (AST) is present near the southwest corner of the AMSA shop (Photograph 8 in Appendix B). In addition, the AMSA shop has three plastic, portable 55-gallon drum containers, principally for used and waste product.

## **2.4 SITE HYDROLOGY AND GEOLOGY**

### **2.4.1 Surface Water Characteristics**

Figure 6 in Appendix A provides a portion of the 1986 Spokane, Washington, USGS topographic map, which includes the Site. As shown, the Site is situated at an elevation of approximately 2,037 feet above mean sea level and is relatively flat.

Surface water runoff at the Site is directed towards drains situated in paved and unpaved portions of the Site, and to stormwater drains in adjoining roadways. Additional information concerning the drains at the Site is discussed below in Section 3.5.9. Surface water reportedly discharges to the City of Spokane sanitary sewer system.

No surface water features are located in the immediate vicinity of the site. The Spokane River is the closest surface water feature to the Site and is located over a mile south. The Spokane River flows generally west into the Columbia River and eventually to the Pacific Ocean.

According to the EDR Report which references the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 5301830003B, the Site is not included in either the 100-year flood plain elevation or the 500-year flood plain elevation. The EDR Overview Map in the EDR report located in Appendix E provides a map depicting the extent of the nearest 100-year and 500-year flood plain in relation to the Site.

## **2.4.2 Geology/Hydrogeological Characteristics**

According to the Washington State Department of Natural Resources Geology of Washington website (<http://www.dnr.wa.gov/geology/columbia.htm>), the Spokane area is situated in the northern part of the Columbia Basin physiographic region. The Columbia Basin, also known as the Columbia Plateau, is a vast area in eastern Washington, southwestern Idaho, and northern Oregon. Incised rivers, extensive plateaus, and anticlinal ridges rising to 4,000 feet above sea level characterize the physiographic province. The region is underlain by Miocene Columbia River Basalt Group rocks and interbedded Neogene terrestrial sediments.

Locally, at least 200 feet of pre-Wisconsin age glacial outwash (primarily gravel and sand) underlies the Site. Groundwater depth within this area is generally deep, with many nearby borings encountering groundwater at depths greater than 100 feet. This does not preclude the existence of small quantities of shallower, perched groundwater.

No information regarding direction of groundwater flow is available within a 1-mile radius of the Site, according to the EDR report. However, based on topography and the location of the Spokane River, groundwater flow most likely is to the south towards the river.

According to information in the EDR Report acquired from the Soil Conservation Service's (Natural Resource Conservation Service) State Soil Geographic Database for Spokane County, Washington, specific types of soil at the Site consist of the Spokane series. This soil component does not meet the requirements for hydric soils.

The surface soils are loams. These soil types have slow infiltration rates with layers impeding downward movement of water and are characterized as soils with moderately fine or fine textures. In a typical profile, the surface layer is approximately 9 inches thick and is a loam. The subsoil is approximately 16 inches thick and is gravelly-coarse sandy loam.

## **2.5 SITE UTILITIES**

**Water Service** – The City of Spokane provides potable water service to the Site.

**Sanitary Sewer System** – The City of Spokane provides sanitary sewer service to the Site. The primary source of wastewater that is directed to the city sewer system includes non-process wastewater (bathrooms, sinks, etc.), vehicle washing runoff, and stormwater.

**Gas & Electric** – Avista Utilities Company provides electric service to the Site. Site personnel did not know the name of the gas provider.

## **2.6 WATER SUPPLY WELLS & SEPTIC SYSTEMS**

Based upon a review of available historical site and agency records and interviews with site personnel, neither a water supply well, nor a septic system is or was located at the Site.

A search of federal and state water well databases identified eleven wells located within a 1-mile radius of the Site. None of the wells are directly adjacent to the Site. The purpose of the wells includes private, irrigation, industrial and observation. No information regarding contamination of the wells is presented in the state and federal databases presented in the EDR report in Appendix E. No public water supply wells are located within 1 mile of the Site.

## **3.0 SITE HISTORY**

### **3.1 HISTORY OF OWNERSHIP**

Land titles for the Site were reviewed back to 1943. Appendix C contains Chain of Title and Environmental Lien reports completed for the Site. The Environmental Lien report did not identify any environmental liens against the USAR Center property. According to historical documentation, the United States of America purchased the property in 1947.

Available business directories including City, cross-reference, and telephone directories were reviewed, if available, at approximately five-year intervals for the years spanning 1964 through 2006. According to a City Directory provided by EDR and dated July 24, 2006, the address of the USAR Center was first listed in the research source (Polk's City Directory) in 1969 as the US Army Reserve Center. The Site is also listed in the 1964 Polk's City Directory as US Dept. of Army Reserve Center (Spokane Subsector Command) and in 1996 and 2006 as the US Army Reserve Hospital and Reserve Recruiting. A copy of the City Directory is included in Appendix E.

### **3.2 PAST USES AND OPERATIONS**

In 1947, the U.S. Government purchased the 7 acre property from the United States of America, acting by and through the National Housing Agency for construction of the USAR Center. Historical information sources and personnel interviews suggest that the Site was formerly a vacant parcel prior to the construction of the USAR Center.

The USAR Center including the AMSA shop was originally constructed in 1953. It serves as a reserve center, transportation (AMSA), and combat support/hospital preventative maintenance. The Site was also occupied by an engineering division approximately 10 years ago.

Currently and historically, the AMSA shop has been utilized to perform maintenance activities on military equipment. Activities inside the shop include routine vehicle maintenance, including checking vehicle fluids such as motor oil, transmission fluid, brake fluid, and antifreeze, and other routine maintenance activities, including brake changes and tune ups.

Historic documents, personnel interviews and historical aerial photographs and topographic maps, and a Sanborn Map were the primary sources of information on the past use and operations at the Site. Figures 6 - 13 in Appendix A provide USGS topographical maps and aerial views of the Site and surrounding areas in 1901, 1950, 1963, 1972, 1973, 1982, 1986, and 1991.

The 1980 Sanborn Map (Figure 14 in Appendix A) shows the administration building situated on the northeast portion of the Site. The northwestern portion of the Site is developed with the original portion of the AMSA shop. The southern portion of the site has an equipment and truck storage yard similar to the present day MEP and POV areas.

The 1901 and 1950 USGS topographical maps (Figures 9 and 10 in Appendix A) are at a scale that does not show the Site.

The 1963 USGS topographical map (Figure 8 in Appendix A) shows buildings present on the Site.

The 1973 USGS topographical map (Figure 7 in Appendix A) shows the main administration building and the AMSA shop. Hillyard (currently a Head Start Preschool and the Institute for Extended Learning) is west of the Site. There are various other buildings and developed land surrounding the Site.

The 1986 USGS topographic map (Figure 6 in Appendix A) shows minimal change from the 1973 USGS topographic map.

The 1972 (Figure 13 in Appendix A), 1982 (Figure 12 in Appendix A), and 1991 (Figure 11 in Appendix A) aerial photographs are at a scale that does not show the Site.

### **3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES**

#### **3.3.1 Past Use and Storage of Hazardous Substances**

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel.

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities, and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closets located in the administration building. Vehicle maintenance and petroleum, oil, and lubricant (POL) products were stored within the designated POL areas in the AMSA shop, or one of the three hazmat sheds.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding reportable quantities.

### **3.3.2 Past Disposal and Release of Hazardous Substances**

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. According to Army Reserve personnel and site records, on-site disposal of hazardous materials or wastes has not occurred at the Site. No stained soil or stressed vegetation was observed during the September 2006 Site visit. Additionally, the MEP area and POV parking area only showed very minor signs of staining and no noxious or foul odors were noted during the Site visit.

Information provided by the Washington Department of Ecology (WDOE) shows that there was a 250-gallon release of unleaded fuel in July 1992 due to an auto/truck incident. The specific location on the Site was not identified; however, the report does state that the spill occurred on an asphalt area at or near the USAR Center. WDOE reported fuel had penetrated the asphalt to the soils below.

### **3.4 PAST PRESENCE OF BULK PETROLEUM STORAGE TANKS**

One 250-gallon, double-walled concrete used oil AST is present near the southwest corner of the AMSA shop. Site personnel indicated that one or more ASTs had been present in the past, but the exact location(s) was unknown.

No USTs are currently present on the Site. Historically, two heating oil USTs, one 1,000-gallon and one 3,000-gallon, were located at the USAR Center. Both of these tanks were removed in 1991. One of the tank cavities exhibited contaminated soils, which were removed at the time of the tank removals. The State Leaking Underground Storage (LUST) database reports that the Site was cleaned up dated 7/1992 (Section 3.5.2). In addition, an approximately 300-gallon UST for waste oil, antifreeze, solvents, brake fluid, etc. was historically present at the Site. This UST was removed in 1997. Soil samples taken at the time of excavation showed levels below the Washington Model Toxics Control Act cleanup levels.

The 1,000-gallon heating oil UST was located at the southeast corner of the AMSA shop very near the vehicle wash area. The location of the 3000-gallon heating oil UST is unknown, except that it was below concrete. The approximately 300-gallon waste product UST was located near the northeast corner of the AMSA shop, which is now lawn.

### **3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS**

A review of site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

### **3.5.1 May 1989, U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) Property Report Database Printout**

This 1989 facility data report identifies twelve areas of hazardous materials;

- 1,000-gallon heating oil UST (the report states that it was installed in 1958, and not leak tested);
- Brake changing area (the report states that no vacuum or procedures are used during brake jobs);
- Parts Cleaner with 20-gallons of solvent (the report states that this unit is not contractor serviced, and waste solvent is added to a mixed waste UST);
- Solvent storage cabinet with 1, 55-gallon drum of dry cleaning solvent (the report states that this is a flammable cabinet);
- POL storage building with 250-gallons of oil, paint, antifreeze, fuel additive, and grease (the report states that this building is a cinder block building on a concrete pad at the edge of the parking lot);
- 350-gallon mixed waste UST (report states that this is a single wall, steel tank built before 1976, and has not been leak tested);
- Solvent storage area with 2, 55-gallon drums of dry cleaning solvent (report states that these drums are stored outside on a pallet in an unpaved area);
- Grease rack (report states that this had not been used in many years);
- Vehicle wash rack and oil/water separator (OWS) (report states that the OWS is emptied approximately every 2 years by facility personnel and disposal is believed to be in the 350-gallon mixed waste UST);
- Indoor firing range with lead fragments and dust;
- 3,000-gallon heating oil UST (report states that it was installed in 1958 and had not been leak tested).

### **3.5.2 1992 Underground Storage Tank Field Report and Tank Removal Manifest**

In May of 1991, Pegasus Environmental Management Services, Inc. was contracted to perform underground storage tank removals for a 1,000-gallon and a 3,000-gallon UST at the Site. A pre-job inspection was made, during which it was discovered that the

1,000-gallon UST had already been removed from service and filled with sand. Pegasus evacuated, excavated, removed, cleaned, and transported the USTs for scrap during the period December 17-20, 1991. Samples of sand and sludge from the USTs site were collected and conveyed to the US Army Corps of Engineers, North Pacific Division Laboratory. Analysis of soil samples revealed a pocket of heavy oil contamination at the bottom of one of the UST excavations. Corrective Action was implemented in July of 1992, removing 73 cubic yards of soil. A Hanby Field Test Kit showed cleanup standards were obtained.

### **3.5.3 1997 Above Ground and Waste Oil Storage Tank Removals Report**

This report prepared by MTH, Inc., documents the removal of ASTs and USTs from several facilities. The report provides detail of the removal of an approximate 300-gallon double walled, steel, mixed waste UST from the Mann USAR Center in October 1997. The report states that there was no visible evidence of contaminated soils prior to and during excavation. Eight soil samples were collected from the tank excavation as required by WDOE and analyzed. The report concluded that several of the samples reflected detectable levels of volatile organic compounds, pesticides, and metals. These detectable levels, however, were below the State of Washington Model Toxics Control Act cleanup levels. No further inquiry was recommended.

### **3.5.4 2002 Range Cleanup Report and Range Cleaning Clearance Certificate**

An IFR was present in the basement of the USAR Center administration building. Based on documentation provided in the Range Cleanup Report conducted by IT Corporation in September 2002, the firing range was cleaned and all sand and dust was removed from the former range. After cleaning, eight dust wipe samples were collected on April 16, 2001. After initial cleaning, the samples showed the lead levels were below the clearance criteria of 200 micrograms per square foot (ug/sf). Via a letter dated April 20, 2001 (letter included in Appendix D within this referenced report) to the USAR Center, the facility was notified that the clearance levels were attained and that the range could be reoccupied.

### **3.5.5 2003 Lead Paint Identification Survey**

Thermatech Northwest, Inc. conducted a lead paint inspection on March 17, 2003. A walk-through inspection of all areas was performed to identify which paints were to be tested. After identifying the paint to be tested, chip and scrape samples were collected, placed in plastic bags, numbered and recorded. The samples were analyzed for total lead using the EPA Method 7240. Test results indicated the presence of varying amounts of lead in paint throughout the facility. The highest concentrations were found in red primers used on metal railings in stairwells and orange primers used on doorframes. Roll-up garage doors of the AMSA shop also exhibited high concentrations of lead.

### **3.5.6 2003 Good Faith Asbestos Survey**

On March 17, 2003 Thermatech Northwest, Inc. conducted a "Good Faith" Asbestos Survey of the Site. A walk-through inspection of all areas was performed to identify building materials that may have the potential for containing asbestos. Upon completion of the survey and review of laboratory data, the following asbestos containing materials (ACM) were identified in the administration building, including friable asbestos in one location (no ACM was found in the AMSA shop):

- Offices, Classroom, Back Portion of the Equipment Room and the Janitor's Closet in the hall of the main facility – Brown/White/Red 9x9 floor tile and mastic;
- X-Ray room and the hearing test room of the medical wing – Black tile & mastic;
- Medical Wing – Off-white/brown tile and mastic;
- Chaplain's Office – Black mastic associated with the pink tile;
- Medical Wing and West Portion of the Main Hall – Dark brown glue dots associated with the 12x12 ceiling tile;
- Drill Hall and Equipment Room – Vibration dampers associated with the ventilation systems (friable asbestos was present in the dampers);
- Throughout Facility – Dark brown cove base mastic;
- Administration Area – Black mastic associated with the tan-brown tile;
- No asbestos found in the motor pool (AMSA shop).

The report recommended abatement and disposal, as well as additional asbestos sampling of any hidden or covered suspect materials discovered during demolition or renovation.

### **3.5.7 2004 Long Term Radon Survey Results**

MCS Environmental, Inc. conducted radon sampling from July 23 through October 22, 2004 in twelve different areas of the USAR Center. This report concluded that radon was present in all samples above detection limits; however all were below the USEPA's recommended maximum allowable exposure level of 4 picoCuries per liter of air (pCi/l). Shaw Environmental Group is currently performing radon surveys at facilities within the 70th Regional Readiness Command (RRC). The radon surveys commenced in July 2006 and results are currently not available.

### **3.5.8 May 1993, Oil/Water Separators and Storm Drainage System Improvements**

KPFF Consulting Engineers (KPFF) prepared this report (dated May 21, 1993) for numerous USAR Center locations throughout Oregon and Washington. At the time of this report, stormwater runoff from the site drained in two separate methods. The first was a system, which drains the area between the AMSA shop and the administration building. This system passed through an existing OWS and then outfalls to a manhole in Haven Street. The second system drained the northern portion of the POV and MEP areas. This runoff collected in a series of drains and piped off site to the same manhole in Haven Street. In addition, the south area of the property drained using a series of interconnected drywells.

The report provides information on upgrades which generally describes the current OWS systems observed during the September 2006 Site visit depicted in the a 2004 Draft Drain Survey (3.5.9). Three OWS are identified in the report, and three drywells in the vicinity of the southern most OWS.

### **3.5.9 September 2004, Draft Survey of Drains, Pollution Control Equipment, and Discharge Points**

A 2004 Survey of Drains, Pollution Control Equipment, and Discharge Points identified twelve exterior surface drains, one sump, three dry wells, and three OWS at the Site. In addition, ten interior floor drains are identified, four in the mechanical room, and two in the kitchen area of the administration building, and four in the AMSA shop. Two grease traps are also located in the kitchen area.

The administration building interior drains are tied into the city's sanitary sewer system. The report states that the grease traps also discharge to the sanitary sewer system. No interior drains are reported to go through an OWS.

All exterior drains, except two are reportedly tied to one of the three OWS. The two drains that do not connect to an OWS are located directly adjacent to the administration building; one at the bottom of a stairwell, and one associated with an exterior can wash where kitchen cans are cleaned. These eventually drain to the city sanitary sewer system.

The southern half of the Site is served by four exterior drains that flow to one of the OWS, and then to one of three drywells depending on how heavy stormwater runoff is. The three drywells have gravel bottoms and slotted sides for infiltration of stormwater runoff.

### **3.5.10 2003 Stormwater and Assessment Guidance**

The objective of this project was to analyze regulatory and facility information, create decision-making guidance, and make recommendations for the 70th Regional Readiness Command.

The document discusses the following features at the Area Maintenance Support Activity 80 in 1993 at the time of this assessment:

- AMSA 80 is collocated with Mann AR Center, which occupies approximately 5.5 acres;
- The AMSA includes an vehicle maintenance shop, vehicle wash rack, and MEP; much of the MEP is asphalt paved, and the balance is gravel;
- The maintenance shop includes five work bays, a POL storage room, and various other storage rooms and offices; according to RRC environmental staff, a long trench drain just outside the work bay doors discharges through the wash rack OWS into the local sanitary sewer system; the shop is also equipped with a POL dispensing system;
- The vehicle wash rack is not curbed or covered; it drains through an oil/water separator into the local sanitary sewer system;
- Potentially polluting materials are primarily stored outside at one of two double-floored storage sheds (the other is not in use), inside the shop work bays, or in/around the shop POL storage room (flammable storage cabinets or individual containers); used oil is accumulated into a 300-gallon double walled convault; other wastes (POL, batteries) are accumulated outside (within hazmat sheds) or inside the shop (within spill containment pallets);
- Spent/waste products are disposed of by certified contractors;
- Preventive maintenance, visual inspection, and drip-pan programs are very poor; housekeeping is also poor; drip pans are rarely used and inspections are infrequent;
- Spill supplies are readily available;
- According to RRC records, no environmental management plans have been prepared for the facility;
- According to RRC staff, stormwater from the facility discharges as sheet flow into facility drain inlets, which discharge through an oil/water separator into a series of

dry wells at the southern end of the USAR Center; however, facility engineering plans appear to show that some storm drain inlets, the wash rack, and the shop trench drain connect into the sanitary sewer system along Haven Street; according to the plans, storm drains at the northern end of the MEP discharge directly into the sanitary sewer, while the trench drain and wash rack discharge through an oil/water separator before connecting into the sanitary lines; additional engineering plans do show storm drains at the southern end of the MEP connecting to a dry well at the southern corner of the USAR Center.

Recommendations from this report include the following suggestions:

- Conduct drainage and compliance assessment of facility to verify drainage connections and determine permitting status;
- Improve preventive maintenance, housekeeping, and visual inspection programs by strengthening training and preparing/enforcing Standard Operating Procedures;
- Improve command emphasis to enforce proper management habits;
- After improving on-site management activities, investigate eligibility for no-exposure exemption;
- Determine whether facility drains into a regulated MS4, and maintain MS4 contact information if applicable; and
- Prepare environmental management plans as required; consider removing vehicle wash rack.

### **3.5.11 March 2005, Final PCB-Containing Equipment Inventory Summary Report, Spokane Area and Pasco Area Facilities**

Engineering-Environmental Management, Inc. (E2M) prepared this report for the 70<sup>th</sup> RRC in order to comply with the Toxic Substances Control Act (TSCA) and AR 200-1. This report provides an inventory of equipment at the Site that contains PCBs. According to this report, electrical power is supplied to the facility from three pole mounted transformers. All are operated and maintained by the Avista Utilities Company. Two are located at the northwest corner of the Site, while the third is located at the southeast corner of the facility fence.

According to the report, Avista replaced the transformers in 1980 following the Mount St. Helens eruption and in 1996 following a heavy ice storm. In addition, a fluorescent light fixture in the administration building training room was inspected. The ballast in the fixture was labeled "No PCBs".

The report states that fixtures were installed or renovated at different times since 1990 with the most recent renovation occurring in 2004. Engineering-Environmental Management, Inc. stated that no further action is needed for this Site.

#### 4.0 ADJACENT PROPERTIES

Figure 11 in Appendix A provides a 1991 aerial view of the Site and adjacent properties. Residences are located to the north and west of the Site and businesses are located to the south and east of the Site. Due to the altitude that the photographs were taken, it is not possible to describe site-specific details on the aerials. Table 1 provides a list of adjacent properties with their directional location in regards to the Site. Photographs 30 through 33 in Appendix B provide views of adjacent properties and surrounding land use.

<b>TABLE 1 LIST OF ADJACENT PROPERTIES</b>			
<b>Direction From Site</b>	<b>Name/Type of Property</b>	<b>Address</b>	<b>Zoning</b>
North	Residences	Various	CC2 (Center/Corridor-Commercial/Residential)
South	Taco Bell	Unknown	CC2 (Center/Corridor-Commercial/Residential)
East	Hillyard Pre School	4410 N. Market St.	CC2 (Center/Corridor-Commercial/Residential)
West	Residences	Various	CC2 (Center/Corridor-Commercial/Residential)

Appendix A and Appendix E provide historical aerial photographs, topographic maps, and EDR Reports, which were used to evaluate any potential environmental impacts on adjacent properties that may have also impacted the environmental condition at the Site. Land use at all adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center.

## 5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties, where there has been a release or likely release of any hazardous substance or any petroleum product, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product on the federal real property. A regulatory database summary was acquired from EDR on July 14, 2006. The regulatory database summary consolidates standard federal, state, local, and tribal environmental record sources based on ASTM D 6008-96 (2005) recommended minimum search distances from the Site. A copy of the complete EDR report is included in Appendix E. "High Risk" properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

### 5.1 FEDERAL ENVIRONMENTAL RECORDS

The regulatory information presented in Table 2 below was obtained from the EDR Federal regulatory database search report.

TABLE 2 FEDERAL DATABASE SEARCH								
Database	Search Distance (miles)	Target Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
<b>Delisted NPL</b>	<b>1.000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>NR</b>	<b>1</b>
NPL Recovery	TP		NR	NR	NR	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
<b>CERC-NFRAP</b>	<b>0.500</b>		<b>0</b>	<b>2</b>	<b>1</b>	<b>NR</b>	<b>NR</b>	<b>3</b>
<b>CORRACTS</b>	<b>1.000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>NR</b>	<b>1</b>
RCRA TSD	0.500		0	0	0	NR	NR	0
RCRA LQG	0.250		0	0	NR	NR	NR	0

**TABLE 2  
FEDERAL DATABASE SEARCH**

Database	Search Distance (miles)	Target Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total
<b>RCRA SQG</b>	<b>0.250</b>	<b>X</b>	<b>0</b>	<b>3</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>4</b>
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
US Brownfields	0.500		0	0	0	NR	NR	0
<b>CONSENT</b>	<b>1.000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>NR</b>	<b>1</b>
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0

<b>TABLE 2 FEDERAL DATABASE SEARCH</b>								
<b>Database</b>	<b>Search Distance (miles)</b>	<b>Target Site</b>	<b>&lt;1/8</b>	<b>1/8 – 1/4</b>	<b>1/4 – 1/2</b>	<b>1/2 – 1</b>	<b>&gt;1</b>	<b>Total</b>
MINES	0.250		NR	NR	NR	NR	NR	0
<b>FINDS</b>	<b>TP</b>	<b>X</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>1</b>
RAATS	TP		NR	NR	NR	NR	NR	0

Acronyms – are defined in detail in the attached EDR Report, Appendix E  
TP=Target Property (the Site) NR=Not Requested at this Search Distance

### 5.1.1 Delisted NPL (National Priorities List)

The National Oil and Hazardous Substances Pollution Contingency Plan establishes 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.

According to the EDR report, there is 1 Delisted NPL site within the ASTM search radius.

- Spokane Junkyard/Associated Properties., 3322 N. Cook St. (1/2-1 SSW)

This site is topographically lower, down gradient, and sufficiently distant from the USAR Center to pose any significant concerns.

### 5.1.2 CERCLIS-NFRAP

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

According to the EDR report, there are 3 CERC-NFRAP sites within the ASTM search radius.

- Aluminum Recycling Corp., 3412 E. Wellesley (1/8-1/4 NNE)
- Union Carbide Linde Div., 4020 N. Market St. (1/8-1/4 S)
- Burlington Northern Hillyard., 3205 E. Queen (1/4-1/2 N)

These sites are all topographically lower, cross or down gradient, and sufficiently distant from the USAR Center to pose any significant concerns.

### **5.1.3 CORRACTS**

CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows that nationally defined corrective action core events have occurred for every handler that has had corrective action activity.

According to the EDR report, there is 1 CORRACTS site within the ASTM search radius.

- Washington Chemical, 3828 E. Queen (1/2-1 NE)

This site is topographically lower and sufficiently distant from the USAR Center to pose any significant concerns.

### **5.1.4 RCRA Small Quantity Generator**

RCRAInfo is USEPA'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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites, which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. Conditionally exempt small quantity generators (CESQGs) generate less than 100 kilograms (kg) of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste.

The USAR Center is listed as being a conditionally exempt RCRA small quantity generator. The report states that no violations were found.

In addition to the USAR Center, there are 3 RCRA-SQG sites within the ASTM search radius.

## **Equal/Higher Elevation**

- Spokane School District Skills Center, 4141 N. Regal (1/8-1/4 SW)

The Spokane School District Skills Center is listed as having four General Requirement violations, all showing informal written enforcement. All violations are listed as attaining compliance by 5/2005.

## **Lower Elevation**

- Union Carbide Linde Div., 4020 N. Market St. (1/8-1/4 S)

Union Carbide is listed as having no violations.

- Oxarc Incorporated, 4020 N. Market St. (1/8-1/4 S)

Oxarc is listed as having no violations.

The Spokane School District Skills Center is at approximately equal elevation to the Site. All of these sights are located closer to the Spokane River, and are most likely down gradient. They should not cause significant concern for the USAR Center.

### **5.1.5 CONSENT**

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

According to the EDR report, there is 1 CONSENT site within the ASTM search radius.

- Spokane Junkyard/Associated Properties, 3322 N. Cook St. (1/2-1 SSW)

This site is topographically lower, down gradient, and sufficiently distant from the USAR Center to pose any significant concerns.

### **5.1.6 Facility Index System/Facility Registry System (FINDS) Site**

The FINDS List contains both facility information and “pointers” to other sources that contain more detail. The EDR report 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 Statute), and PADS (PCB Activity Data System).

According to the EDR report, the USAR Center is in the FINDS list. There is no specific additional information provided in the EDR report.

## 5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR State and Local regulatory database search report. Sites identified by this database search are discussed in the following subsections.

<b>TABLE 3 STATE DATABASE SEARCH</b>								
<b>Database</b>	<b>Search Distance (miles)</b>	<b>Target Site</b>	<b>&lt;1/8</b>	<b>1/8 – 1/4</b>	<b>1/4 – 1/2</b>	<b>1/2 – 1</b>	<b>&gt;1</b>	<b>Total</b>
<b>CSCSL</b>	<b>1.000</b>		<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>NR</b>	<b>5</b>
HSL	1.000		0	0	0	0	NR	0
<b>CSCSL NFA</b>	<b>0.500</b>		<b>0</b>	<b>1</b>	<b>0</b>	<b>NR</b>	<b>NR</b>	<b>1</b>
State Landfill	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
<b>LUST</b>	<b>0.500</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>NR</b>	<b>NR</b>	<b>2</b>
<b>UST</b>	<b>0.250</b>	<b>X</b>	<b>0</b>	<b>2</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>3</b>
AST	0.250		0	0	NR	NR	NR	0
<b>MANIFEST</b>	<b>0.250</b>	<b>X</b>	<b>0</b>	<b>1</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>2</b>
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ICR	0.500		0	0	0	NR	NR	0

TABLE 3 STATE DATABASE SEARCH								
Database	Search Distance (miles)	Target Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
WA Emissions	TP		NR	NR	NR	NR	NR	0
INACTIVE DRYCLEANERS	0.250		0	0	NR	NR	NR	0

Acronyms – are defined in detail in the attached EDR Report, Appendix E  
NR=Not Requested at this Search Distance

### 5.2.1 CSCSL - Confirmed & Suspected Contaminated Sites List

The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS. Priority sites planned for cleanup using state funds (state equivalent to Superfund) are identified along with sites where potentially responsible parties will pay for cleanup. The data comes from the Department of Ecology's Confirmed & Suspected Contaminated Sites list.

According to the EDR report, there are 5 sites within the ASTM search radius.

#### Equal/Higher Elevation

- Koch Materials Company, 4327 N. Thor St. (1/4-1/2 E)

#### Lower Elevation

- BNSF Railway Black Tank Proper, 3202 E. Wellesley (1/8-1/4 NNE)
- BN SF RR Bunker C Spill Area, Freya/E. Longfellow (1/4-1/2 E)
- Burlington Northern Hillyard., 3205 E. Queen (1/4-1/2 N)
- Sicilia Trucking, 5523 N. Julia (1/2-1 NE)

Koch Materials, is listed as being 4 feet higher in elevation than the Site, and is most likely cross or down gradient. It is also ¼ mile distant. It should not pose a significant concern to the USAR Center.

The remaining four sites are at a lower elevation and cross or down gradient to the Site and should not pose significant concerns to the USAR Center.

### **5.2.2 CSCSL No Further Action (NFA)**

This database includes information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a NFA code is entered based upon the type of NFA determination the site received.

According to the EDR report there is 1 CSCSL NFA site within the ASTM search radius.

- Union Carbide Linde Div., 4020 N. Market St. (1/8-1/4 S)

This site is topographically lower, down gradient, and sufficiently distant from the USAR Center to pose any significant concerns.

### **5.2.3 LUST - Leaking Underground Storage Tank List**

Leaking Underground Storage Tank (LUST) Incident Reports records contain an inventory of reported leaking underground storage tank incidents. The data obtained in the EDR report was from the Department of Ecology's Leaking Underground Storage Tanks Site List.

The USAR Center is on the LUST list from 1991. This listing is associated with the soils removed when 2 USTs were taken out. The status of the Site is listed as "reported cleaned up", dated 7/1992.

In addition, according to the EDR report, there is 1 LUST site within the ASTM search radius.

- Spokane School District #81, 2815 E. Garland (1/4-1/2 SW)

This site is topographically lower, down gradient, and sufficiently distant from the USAR Center to pose any significant concerns.

#### **5.2.4 UST – Registered Underground Storage Tanks**

UST's are regulated under Subtitle I of the RCRA and must be registered with the State department responsible for administering the UST program. The data obtained in the EDR report came from the Department of Ecology's Statewide UST Site/Tank Report.

According to the EDR report, the USAR Center is on the UST database. Information shows that 1 heating fuel UST and 1 used/waste oil UST were removed. Date of removals is not listed; however the contractor report (Section 3.5.2) shows a date of May, 1991.

There are 2 additional UST sites within the ASTM search radius.

##### **Equal/Higher Elevation**

- T.K. Qwik Stop, 3021 E. Wellesley Ave. (1/8-1/4 NNW)

##### **Lower Elevation**

- Vern E. Ziegler/Ziegler Lumber, 4220 N. Market St. (1/8-1/4 S)

This listing is for registered USTs, and not indicative of any problems.

The Qwik Stop is most likely up gradient from the Site, but no problems have been reported with this location. Vern Ziegler Lumber is most likely down gradient from the Site. These sites should not cause a concern for the USAR Center.

#### **5.2.5 MANIFEST Listing**

This database is maintained by the WDOE and is a collection of facilities that have reported Hazardous Waste Manifest Data information. Inclusion on this list is not indicative of a release.

According to the EDR report, there is 1 MANIFEST site within the ASTM search radius.

- Spokane School District Skills Center, 4141 N. Regal (1/8-1/4 SW)

The Spokane School District Skills Center is at approximately equal elevation to the Site. This site is located closer to the Spokane River, and is most likely down gradient. It should not cause significant concern for the USAR Center.

### 5.3 TRIBAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the EDR's Tribal database search report.

TABLE 4 TRIBAL DATABASE SEARCH								
Database	Search Distance (miles)	Target Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total
Indian Reservation	1.000		0	0	0	0	NR	0
Indian LUST	0.500		0	0	0	NR	NR	0
Indian UST	0.250		0	0	NR	NR	NR	0

Acronyms – are defined in detail in the attached EDR Report, Appendix E  
 NR=Not Requested at this Search Distance

According to the EDR report, no sites were located within the designated radius for each of the searched Tribal Databases.

### 5.4 EDR PROPRIETARY RECORDS

The regulatory information presented below was obtained from EDR's Proprietary Records database search report.

TABLE 5 EDR PROPRIETARY DATABASE SEARCH								
Database	Search Distance (miles)	Target Site	<1/8	1/8 – 1/4	1/4 – 1/2	1/2 – 1	>1	Total
Manufactured Gas Plants	1.000		0	0	0	0	NR	0
EDR Historical Auto Stations	TP		NR	NR	NR	NR	NR	0
EDR Historical Cleaners	TP		NR	NR	NR	NR	NR	0

Acronyms – are defined in detail in the attached EDR Report, Appendix E  
 TP=Target Property (the Site) NR=Not Requested at this Search Distance

According to the EDR report, no sites were located within the designated radius for each of the searched EDR Proprietary Databases.

## **5.5 ENVIRONMENTAL REGULATORY AGENCY INQUIRIES**

Information regarding the Site was requested from the following local government agencies. A summary of information obtained from the agencies contacted is presented below.

WDOE was contacted to request environmental records available for the Site. The following information was provided:

A 2 page initial spills report was provided by the WDOE showing that there was a 250-gallon release of unleaded fuel in July 1992 due to an auto/truck incident. The specific location on the Site was not identified; however, the report does state that the spill occurred on an asphalt area. WDOE reported fuel had penetrated the asphalt to the soils below. Soil sampling and remediation activities are not reported. No additional information could be located (see Appendix D).

In addition, WDOE stated they had TCP LUST-UST and Hazardous Waste Compliance files. The most significant file was a report prepared by MTH, Inc., which documents the removal of a ASTs and USTs from several facilities. The report provides detail of the removal of an approximate 300-gallon double walled, steel, mixed waste UST from the Mann USAR Center in October 1997. Additional details of the report are presented in Section 3.5.3 of this report, (also in Appendix D).

## **5.6 UNMAPPED SITES**

Thirteen unmapped properties were included in the EDR report. Unmapped sites are those with insufficient address information such that they can only be identified as within the zip code of the target property. Based on our reconnaissance of the site vicinity, the unmapped properties were not within the applicable search radii or are duplicate listings and are discussed in the appropriate subsections of Section 5.

## 5.7 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO THE SITE

To summarize Subsections 5.1 through 5.6, fourteen separate properties, in addition to the USAR Center, were evaluated as potential risk properties to the Site. The properties evaluated were identified as a result of information obtained during area reconnaissance and regulatory database searches and are listed below in Table 6.

<b>TABLE 6</b>				
<b>PROPERTIES EVALUATED FOR POTENTIAL ENVIRONMENTAL RISKS</b>				
<b>Company/Site</b>	<b>Database</b>	<b>Elevation in Regards to Site</b>	<b>Potential Risk to Site?</b>	<b>Comment</b>
Spokane Junkyard/Associated Properties	Delisted NPL, CONSENT	Lower	Low	No Issues, down gradient and distant
Aluminum Recycling Corp.	CERCLIS-NFRAP	Lower	Low	No Issues, cross or down gradient, and distant
Union Carbide Linde Div.	CERCLIS-NFRAP, RCRA-SQG, CSCSL-NFA	Lower	Low	No Violations, cross or down gradient, and distant
Burlington Northern Hillyard	CERCLIS-NFRAP, CSCSL	Lower	Low	No Violations, cross or down gradient, distant
Washington Chemical Inc.	CORRACTS	Lower	Low	21 Violations, No Further Action Status, topographically lower and distant
Spokane School District Skills Center	RCRA-SQG, MANIFEST	Equal/Higher	Low	4 Violations, No Further Action Status, equal elevation and down gradient
Oxarc Incorporated	RCRA-SQG	Equal/Higher	Low	No Violations, down gradient
Koch Materials Company	CSCSL	Equal/Higher	Low	No Violations, No Issues, cross or down gradient, distant
BNSF Railway Black Tank Property	CSCSL	Lower	Low	Remedial Action Being Completed, topographically lower and down gradient
BN SF Bunker C Spill Area	CSCSL	Lower	Low	Awaiting Remedial Action –No date provided on EDR report, topographically lower and down gradient

<b>TABLE 6</b>				
<b>PROPERTIES EVALUATED FOR POTENTIAL ENVIRONMENTAL RISKS</b>				
<b>Company/Site</b>	<b>Database</b>	<b>Elevation in Regards to Site</b>	<b>Potential Risk to Site?</b>	<b>Comment</b>
Sicilia Trucking	CSCSL	Lower	Low	No Issues, topographically lower and down gradient
Spokane School District #81	LUST	Lower	Low	Reported Cleanup of LUST, 2 USTs removed, topographically lower and down gradient
T.K. Qwik Stop	UST	Equal/Higher	Low	Tanks Operational and No Violations
Vern E. Ziegler/Ziegler Construction	UST	Lower	Low	3 USTs removed, No Violations, down gradient

Acronyms – are defined in detail in the attached EDR Report, Appendix E

Based on an evaluation of available site information and details concerning the properties listed in Table 6, none of the facilities evaluated are classified as “High Risk”. “High Risk” properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

## **6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS**

Findings documented in the following subsections are based on the September 6, 2006, site visit and area reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

### **6.1 ABOVE GROUND STORAGE TANK**

One 250-gallon, double-walled concrete used oil AST is present near the southwest corner of the AMSA shop. Site personnel indicated that one or more ASTs had been present in the past, but the exact location(s) was unknown. The tank itself shows staining; however, no stains or evidence of spills or release on the ground around the tank were observed during the September 2006 Site visit.

### **6.2 ASBESTOS CONTAINING MATERIAL**

Asbestos surveys have been performed at the Site (see Section 3.5.6), and records indicate that ACM are present only in the administration building. During the Site visit facility personnel indicated that there had been a recent water pipe break in the administration building boiler room. The insulation in the area of the break had been damaged (Photograph 10 in Appendix B). No records of the area being evaluated by a qualified ACM professional since the break were available. In the adjacent vent/air conditioning room there were large areas of loose or missing floor tiles (Photograph 11 in Appendix B). ACM listed as friable in vibration dampers was not closely observed during the Site visit due to the location of the dampers in the administration building drill hall.

### **6.3 HAZARDOUS SUBSTANCES**

Visual and physical inspections for hazardous substances and petroleum products were also conducted. The USAR Center is listed under USEPA as RCRA-CESQG. RCRA-CESQGs generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Based on information supplied by the 70<sup>th</sup> RRC, the Site is listed as a RCRA-CESQG due to the generation of waste from vehicle maintenance at the AMSA shop. Typical wastes noted during the Site reconnaissance were: used oily rags, used oil and oil filters, paint cans, used antifreeze, diesel fuel, and other vehicle maintenance waste. Chemicals stored at the AMSA shop include: diesel fuel, motor oil, brake fluid, gear oil, lubrication oil, multi-purpose grease, aerosol spray cans, as well as other typical vehicle maintenance fluids.

Hazardous materials stored at the Site were observed in three hazmat sheds, three portable 55-gallon drum containers, and within the AMSA shop (Photographs 12-16 and

20 in Appendix B). The hazmat sheds are located south of the AMSA shop on the west side of the Site. The portable 55-gallon drum containers are located near the east side of the AMSA shop.

Numerous CONEX storage units are present south of the AMSA shop, but they reportedly contain non-hazardous, unit and company supply materials such as helmets and tents, etc (Photograph 17 in Appendix B).

Used automotive batteries are stored in a battery storage room in the west central part of the AMSA shop. The batteries are stored on benches without secondary containment, or on the floor with a battery spill pad (Photograph 18 in Appendix B). A bermed wash and drain area is present in the battery room. White stains inside and outside the wash area were observed (Photograph 19 in Appendix B). In addition, used alkaline batteries and used battery clamps are stored in a caged area in the southwest corner of the AMSA shop (Photograph 20 in Appendix B).

In the administration building cleaning supplies are kept in designated janitor supply closets, and in the kitchen. Water treatment chemicals (sodium hydroxide) are kept in the boiler room.

Part of the activities at the USAR Center includes combat medical support/preventative medicine. As such, some medical supplies, including small quantities of isopropyl alcohol are kept in storage areas and offices in the administration building. Medical training is performed at the Site, but no medical (biological) waste is generated. All medical activity waste is disposed of as standard solid waste.

According to Site personnel, hazardous substances are not stored at the Site in excess of 1-year. The substances are picked up routinely by, and removed to, Fairchild Air Force Base for appropriate disposal.

Based on visual inspection, it appears that petroleum products and other hazardous materials are being handled properly at the Site, and storage of these relatively small quantities do not appear to pose an environmental threat to the Site at this time.

#### **6.4 HYDRAULIC EQUIPMENT/GREASE RACK**

Hydraulic equipment, such as a hydraulic lift/grease rack, that may incorporate oil reservoirs, is currently not present at the USAR Center. According to Site personnel and a 1989 Army property report (Section 3.5.1), a hydraulic lift/grease rack was historically located in the AMSA shop, which is no longer present. Site personnel were uncertain when it was removed. The 1989 report states that it was present then, but had not been used in many years.

## **6.5 INDOOR FIRING RANGE**

An IFR historically was present in the basement of the administration building (Photograph 37 in Appendix B). Based on documentation provided by the 70<sup>th</sup> RRC, the firing range was cleaned and all sand and dust was removed from the former range. The room was remodeled and is currently used for study/training with multiple computer workstations.

## **6.6 LEAD-BASED PAINT**

According to a prior lead based paint (LBP) survey there are varying levels of lead in the paint in the administration and AMSA buildings. During the 2006 Site visit, painted surfaces within the administration and AMSA buildings appeared to be in fair to good condition.

## **6.7 PITS, SUMPS, DRYWELLS, AND CATCH BASINS**

Twelve exterior surface drains, one sump, three dry wells, and three OWS are present at the Site. In addition, ten interior floor drains are identified, four in the mechanical room, and two in the kitchen area of the administration building, and four in the AMSA shop. The sump is located in the administration building boiler room. Two grease traps are also located in the kitchen area.

The administration building interior drains are reportedly tied into the city's sanitary sewer system, as are the grease traps. No interior drains are reported to go through an OWS.

All exterior drains, except two are reportedly tied to one of the three OWS. The two drains that do not connect to an OWS are located directly adjacent to the administration building; one at the bottom of a stairwell, and one associated with an exterior can wash where kitchen cans are cleaned.

The southern half of the Site is served by four exterior drains that flow to one of the OWS, and then to one of three drywells depending on how heavy stormwater runoff is. The three drywells have gravel bottoms and slotted sides for infiltration of stormwater runoff.

## **6.8 MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)**

No indications were found during the Site visit or records review process of the past presence of MEC, including unexploded ordnance. A locked small arms vault is located within the administration building. According to Site personnel no ammunition is stored within the vault or on the grounds of the USAR Center.

## **6.9 NEARBY PROPERTIES**

Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site were evaluated. Overall, none of the sites evaluated exhibit environmental conditions that have a significant probability to adversely affect environmental conditions at the Site.

A secondary source report indicates a sensitive receptor near the Site. During the September 2006 Site visit, it was confirmed that the Hillyard Center, a Head Start Preschool and an Institute for Extended Learning, is located east across Market Street.

## **6.10 OIL/WATER SEPARATORS**

Three OWS are present at the Site. One is located near the southeast corner of the AMSA shop, and is associated with the vehicle wash area at that location. The OWS receives stormwater runoff from drains in the paved area between the AMSA shop and the administration building, as well as wastewater from the vehicle wash area. The OWS drains into the city sanitary sewer southwest of the Site off the fence line.

A second OWS is located south of the AMSA shop, on the western edge of the property. The OWS receives stormwater from exterior drains in the POV area and the MEP area. It drains west into the city sanitary sewer off the fence line. Oily liquid was observed in this OWS at the time of the September 2006 Site visit.

The third OWS is located at the southern end of the property in a gravel portion of the MEP area. This OWS is relatively new. Site personnel noted that the previous OWS at that location had collapsed about 1.5 years ago, and was subsequently rebuilt. No record of environmental sampling, testing or cleanup was available. Site personnel indicated that the work had been overseen by the U.S. Army Corps of Engineers, but no reports or documentation had been received. This OWS receives stormwater from drains in the southern parts of the POV and MEP areas. It is connected to three infiltration drywells located in the southern third of the Site, and does not join the city sanitary sewer.

Two grease traps are associated with the kitchen. Site personnel had no knowledge of the regularity or most recent servicing of the grease traps.

## **6.11 PCB EQUIPMENT**

Based upon information provided by the 70<sup>th</sup> RRC, there is no known PCB containing equipment at this facility; however, PCBs may be contained in light ballasts in older type light fixtures. Based on the construction date of the buildings it is possible that some of these ballasts could potentially contain PCBs. Any light ballast not marked with "No

PCBs" should be assumed to contain PCBs and management and disposal of these light ballasts must be in accordance with Local, State and Federal requirements.

### **6.12 PCB TRANSFORMERS**

Three pole-mounted transformers are located at the Site. All are operated and maintained by the Avista Utilities Company. Two are located at the northwest corner of the Site, while the third is located at the southeast corner of the facility fence. A sticker indicating that there were no PCBs was present on the transformers.

### **6.13 RADIOACTIVE MATERIALS**

Facility personnel indicated that to their knowledge the Site never had a Nuclear Regulatory permit. Most military facilities will have some low level radiological materials associated with the illumination of various types of military equipment (e.g., watch dials, compasses, aiming circles, etc). There is no evidence to suggest that any radiological commodities were ever improperly managed at the Site, or that any radionuclides were ever released.

However, because the Facility's mission had included medical activities, primarily training and performance of medical exams, there were exam rooms. Most have been converted to offices. However, there is a dental x-ray room in the basement, which is no longer used. Site personnel were unaware of any other radioactive materials or activities ever at the Site.

### **6.14 RADON**

The most recent available radon survey results are from a 2004 long-term radon sampling report, in which 12 samples from different parts of the USAR Center were taken. This report concluded that radon was present in all samples above detection limits, but all were below the USEPA's recommended maximum allowable exposure level of 4 pCi/l. Shaw Environmental Group is currently performing radon surveys at facilities within the 70th RRC. The radon surveys commenced in July 2006 and results are currently not available.

### **6.15 UNDERGROUND STORAGE TANKS**

No USTs are currently present on the Site. Historically, two heating oil USTs, one 1,000-gallon and one 3,000-gallon, were located at the USAR Center. Both of these tanks were removed in 1991 (Section 3.5.2). In addition, an approximately 300-gallon UST for waste oil, antifreeze, solvents, brake fluid, etc. was historically present at the Site. This UST was also removed in 1997 (Section 3.5.3).

## **6.16 WASH RACK**

A concrete vehicle wash pad is located adjacent to the AMSA shop on the southeast side. Wash water is directed to slotted drains by the slope of the pad. The drain flows to an OWS, which in turn flows southwest off the Site and connects to the city sanitary sewer.

## **6.17 WASTE DISPOSAL SITES AND ACTIVITIES**

Solid waste is managed on-site in two metal dumpsters. Waste Management of Spokane empties the dumpsters weekly. Non-hazardous waste management, such as waste oil, is managed by Defense Reutilization Marketing Office (DRMO). There were no signs of land-filling or illegal waste disposal activities at the Site during the September 2006 site visit.

## **7.0 REVIEW OF SPECIAL RESOURCES**

### **7.1 LAND USE**

Figure 11 in Appendix A provides a 1991 aerial photograph of the USAR Center and surrounding area and depicts current land use, which is commercial and residential. The Site is zoned CC2 Commercial/Corridor-Commercial/Residential.

### **7.2 COASTAL ZONE MANAGEMENT**

According to the Department of Energy Environmental Policy & Guidance website for Coastal Zone Management Act and related regulations, Spokane County Washington does not lie within a coastal zone management area ([www.eh.doe.gov/oepa/laws/czma.html](http://www.eh.doe.gov/oepa/laws/czma.html)).

### **7.3 WETLANDS**

According to the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory map, no jurisdictional wetland areas are identified on the Site or adjacent properties (Overview Map in Appendix E).

### **7.4 100-YEAR FLOOD PLAIN**

A review of the FEMA digital Flood Hazard Area map indicates that the Site lies outside the 100-year and 500-year flood plains (Overview Map in Appendix E).

### **7.5 NATURAL RESOURCES**

No Site-specific survey addressing natural resources was available for review. Based on discussions with the Environmental Program Manger under contract with the 70<sup>th</sup> RRC, there are no issues of environmental concern related to natural resources at the Site.

### **7.6 CULTURAL RESOURCES**

Based on discussions with the Environmental Program Manger under contract with the 70<sup>th</sup> RRC, there is neither sites of cultural or traditional religious significance nor historic properties identified at the Site. Furthermore, the Site is not identified in the National Register of Historic Places Information System database, though no cultural resource survey has been performed. However, because the buildings are in excess of 50 years old, they may be potentially eligible for the National Register of Historic Places, and have not been evaluated for eligibility.

## 8.0 CONCLUSIONS

Lawhon & Associates, Inc. in conjunction with FMSM was contracted to prepare an ECP report for the Pfc. Joe E. Mann U.S. Army Reserve Center (WA032) located at 4415 North Market Street, Spokane County, Spokane, Washington. The tract of land is irregularly shaped with the east and west boundaries tapering to a point at the southern end of the property and encompasses approximately 7 acres. The Site consists of two permanent buildings: an administration building and an AMSA shop.

The USAR Center is currently occupied by the 981<sup>st</sup> Medical Detachment, the 396<sup>th</sup> Medical Detachment (Storage), the 643<sup>rd</sup> (Training), the 22<sup>nd</sup> Legal Defense Organization Trial Defense Services, and AMSA #80. The Site has been a USAR Center since the administration building and AMSA shop were constructed in 1953. An addition was added on the administration building in 1974 and the AMSA shop has undergone a number of renovations, with the most recent being an addition in 2001.

Findings of this ECP are based on interviews, existing environmental information, including visual observations, site records, Federal, State, and Local database and file information, related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following paragraphs present the findings related to areas of potential environmental concern that were evaluated during the ECP process.

- **Aboveground Storage Tanks** - One 250-gallon, double-walled concrete used oil AST is present near the southwest corner of the AMSA shop. Site personnel indicated that one or more ASTs had been present in the past, but the exact location(s) was unknown. The tank itself shows staining; however, no stains or evidence of spills or release on the ground around the tank were observed during the September 2006 Site visit.
- **Asbestos Containing Materials** – ACM was identified only in the administration building in a 2003 “Good Faith” Asbestos Survey. The report from that survey identified ACM in various floor tiles and mastic, glue on ceiling tiles, and vibration dampers in the ventilation system. Asbestos in the vibration dampers was considered as friable in the report. The 2003 survey found no asbestos in the AMSA shop. During the September 2006 Site visit, facility personnel indicated that there had been a recent water pipe break in the administration building boiler room. The insulation in the area of the break had been damaged. In addition, areas of loose or missing floor tiles were observed in the vent/air conditioning room in the administration building.
- **Use & Storage of CERCLA Hazardous Substances** – Chemicals containing CERCLA hazardous substances would have been used and stored at the Site in

amounts necessary to support unit-level vehicle and building maintenance activities. The quantities stored would reportedly not have exceeded corresponding CERCLA threshold planning quantities. There is no documentation indicating that the chemicals used or stored were improperly handled, released, or disposed at the Site.

- **Hydraulic Equipment/Grease Rack** - Hydraulic equipment, such as a hydraulic lift/grease rack, that may incorporate oil reservoirs, is currently not present at the USAR Center. According to Site personnel and a 1989 Army property report (Section 3.5.1), a hydraulic lift/grease rack was historically located in the AMSA shop, which is no longer present. Site personnel were uncertain when it was removed. The 1989 report states that it was present then, but had not been used in many years.
- **Indoor Firing Range** - Historically, the Site operated an indoor firing range in the basement of the administration building. In March – April 2001 a range removal and abatement was performed. A letter dated April 20, 2001 to the Mann Hall USAR Center stated that lead clearance levels were attained. The area was remodeled and is currently used for study/training with multiple computer workstations.
- **Lead-Based Paint** - A LBP survey was performed at the USAR Center and AMSA shop in 2003. According to the report, LBP is present in both facilities in varying amounts. The highest amounts are in red primers used on metal railings in the stairwells, and orange primers used in doorframes in the administration building. High concentrations of lead were also present on the roll-up doors in the AMSA shop. During the 2006 Site visit, painted surfaces within the administration building and AMSA shop appeared to be in fair to good condition.
- **Munitions and Explosives of Concern** - No indications were found during the Site visit or records review process of the past presence of MEC, including unexploded ordnance. A locked small arms vault is located within the administration building. According to Site personnel no ammunition is stored within the vault or on the grounds of the USAR Center.
- **Nearby Properties** - Potential environmental sites of concern, located within corresponding ASTM search radius distances from the Site were evaluated. Overall, none of the sites evaluated exhibit environmental conditions that have a significant probability to adversely affect environmental conditions at the Site.

The EDR report indicates a sensitive receptor near the Site. During the September 2006 Site visit, it was confirmed that the Hillyard Center, a Head Start

Preschool and an Institute for Extended Learning, is located east across Market Street.

- **Oil/Water Separators** - Three OWS are present at the Site. One is located near the southeast corner of the AMSA shop, and is associated with the vehicle wash area at that location. The OWS receives stormwater runoff from drains in the paved area between the AMSA shop and the administration building, as well as wastewater from the vehicle wash area. The OWS drains into the city sanitary sewer southwest of the Site off the fence line.

A second OWS is located south of the AMSA shop, on the western edge of the property. The OWS receives stormwater from exterior drains in the POV area and the MEP area. It drains west into the city sanitary sewer off the fence line. Oily liquid was observed in this OWS at the time of the September 2006 Site visit.

The third OWS is located at the southern end of the property in a gravel portion of the MEP area. This OWS is relatively new. Site personnel noted that the previous OWS at that location had collapsed about 1.5 years ago, and was subsequently rebuilt. This OWS receives stormwater from drains in the southern parts of the POV and MEP areas. It is connected to three infiltration drywells located in the southern third of the Site, and does not join the city sanitary sewer.

- **Petroleum Product Storage** - Petroleum storage occurs and historically would have occurred in designated areas within the AMSA shop and three hazmat storage sheds, located on the western edge of the Site. Petroleum products as well as antifreeze currently in use in the ASMA shop are kept in an oil distribution room in 55-gallon drums. These products are dispensed through a piped system connected to an electric air compressor also located in the AMSA shop.

Information provided by the WDOE shows that there was a 250-gallon release of unleaded fuel in July 1992 due to an auto/truck incident. The specific location on the Site was not identified; however, the report does state that the spill occurred on an asphalt area. WDOE reported fuel had penetrated the asphalt to the soils below. No additional information was available from WDOE.

- **Pits, Ponds, Sumps, Drywells, and Catch Basins** - A 2004 Survey of Drains, Pollution Control Equipment, and Discharge Points identified twelve exterior surface drains, one sump, three dry wells, and three OWS at the Site. In addition, ten interior floor drains are identified, four in the mechanical room, and two in the kitchen area of the administration building, and four in the AMSA shop. Two grease traps are also located in the kitchen area.

- **PCB Equipment** - Based upon information provided by the 70<sup>th</sup> RRC, there is no known PCB containing equipment at this facility; however, PCBs may be contained in light ballasts in older type light fixtures. Based on the construction date of the buildings it is possible that some of these ballasts could potentially contain PCBs. Any light ballast not marked with "No PCBs" should be assumed to contain PCBs and management and disposal of these light ballasts must be in accordance with Local, State and Federal requirements.
- **PCB Transformers** - Three pole-mounted transformers are located at the Site. All are operated and maintained by the Avista Utilities Company. Two are located at the northwest corner of the Site, while the third is located at the southeast corner of the facility fence. A sticker indicating that there were no PCBs was present on the transformers.
- **Radiological Materials** - Facility personnel indicated that to their knowledge the Site never had a Nuclear Regulatory permit. Most military facilities will have some low level radiological materials associated with the illumination of various types of military equipment (e.g., watch dials, compasses, aiming circles, etc.). There is no evidence to suggest that any radiological commodities were ever improperly managed at the Site, or that any radionuclides were ever released.

Historically, part of the USAR Center's mission included medical activities, primarily training and performance of medical exams. As a result, there is a dental x-ray room in the basement of the administration building that is no longer in use. According to Site personnel all dental equipment is still located in this room, and may contain an x-ray unit, which could contain minor amounts of radioactive material.

- **Radon** – The most recent available radon survey results are from a 2004 long-term radon sampling report, in which 12 samples from different parts of the USAR Center were taken. This report concluded that radon was present in all samples above detection limits, but all were below the USEPA's recommended maximum allowable exposure level of 4 pCi/l. Shaw Environmental Group is currently performing radon surveys at facilities within the 70th RRC. The radon surveys commenced in July 2006 and results are currently not available.
- **Underground Storage Tanks** - No USTs are currently present on the Site. Historically, two heating oil USTs, one 1,000-gallon and one 3,000-gallon, were located at the USAR Center. Both of these tanks were removed in 1991. One of the tank cavities exhibited contaminated soils, which were removed at the time of the tank removals, which placed it on the State LUST list. The status of the Site is listed as "reported cleaned up", dated 7/1992. In addition, an approximately 300-gallon UST for waste oil, antifreeze, solvents, brake fluid, etc. was

historically present at the Site. This UST was removed in 1997. Soil samples taken at the time of excavation showed levels below the Washington Model Toxics Control Act cleanup levels.

The 1,000-gallon heating oil tank was located at the southeast corner of the AMSA shop very near the vehicle wash area. The location of the 3,000-gallon heating oil tank is unknown, except that it was below concrete. The approximately 300-gallon waste product tank was located near the northeast corner of the AMSA shop, which is now lawn.

- **Wash Water Discharge** - A concrete vehicle wash pad is located adjacent to the AMSA shop on the southeast side. Wash water is directed to slotted drains by the slope of the pad. The drain flows to an OWS, which in turn flows southwest off the Site and connects to the city sanitary sewer

In accordance with Department of Defense policy defining the classifications (See Deputy Under Secretary of Defense Goodman Memorandum dated 21 October 1996), the Site has been classified as Category 2, an area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred. This classification is based on the contaminated soils encountered during UST removal and the 250-gallon fuel spill.

## 9.0 LIMITATIONS

This ECP Report was prepared to review certain elements of the environmental condition of property related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. It documents efforts to determine or discover the presence or likely presence of a release or threatened release of these materials. Project activities were performed in general conformance with the BRRM, ASTM D6008 guidance, the project prescribed scope of work, and generally accepted practices in the consulting industry. The degree of care and skill is consistent with that generally exercised in the industry under similar conditions.

Lawhon & Associates, Inc., has relied on certain information provided by the USACE, USAR, and other parties referenced in the report. This information was assumed to be accurate and complete unless information to the contrary arose during the course of the investigation. Historic documentation (e.g., information on past environmental practices, environmental records, USARC operational changes, unit and equipment changes, chemical/substance inventories and storage, current as-built drawings, etc.) and facility personnel knowledge regarding chemicals used or stored on the Site and the quantities stored, was often limited or non-existent. Therefore, statements regarding storage of chemicals or presence of hazardous substances reflect best available data and are not warranted for either completeness or accuracy over the history of the facility.

In preparing this report, Lawhon & Associates, Inc., was required to review previous documents from other sources (collectively referred to herein as the Prior Reports). The Prior Reports may present findings regarding the abatement or remediation of *known* concerns at the time of their preparation or within the limit of the project scope of work. The Prior Reports may include statements or opinions of the original authors of the Prior Reports as to the satisfactory completion of work. Lawhon & Associates, Inc., notes that environmental laws and regulations, including abatement or remedial action levels, are periodically reviewed and updated by the various regulatory agencies and may have changed since the respective dates of the Prior Reports.

Lawhon & Associates, Inc. has summarized certain of the Prior Reports in fulfilling the project prescribed scope of work. This summarization may include statements or opinions as to the satisfactory completion of work. These statements or opinions are those of the original report authors. Lawhon & Associates, Inc. neither warrants nor certifies the accuracy or completeness of these statements. The summarization of previous documents has not reviewed or updated those conclusions with regards to actions from the time of that document to date, current regulatory agency abatement, or remedial standards. Rather, this summary provides the original author's conclusions at the time the report was prepared. Evaluation of the completeness of previous

documents or statements of abatement or remediation is beyond the current scope of service included in this contract.

A limited site reconnaissance was performed to visually identify materials or conditions representing recognized adverse environmental conditions. Identification of hidden conditions, observation of the effects of activities or incidents occurring after completion of the reconnaissance, buried conditions, conditions obscured by dense foliage, conditions beneath buildings, other structures, or covered by building/paving materials, or conditions otherwise obscured, is beyond the scope of this work. The conditions described in this report are valid only at the time that the observations were made. Some conditions may change with time.

The findings and conclusions contained in this report are based in part on the information available at the time of the study. The findings and conclusions should be considered not as scientific certainties, but as probabilities based on professional judgment of the significance of the limited data gathered in the course of the site evaluation, interviews and literature review. If additional or corrected information becomes available, Lawhon & Associates, Inc., requests the opportunity to review/modify conclusions, as warranted.

## 10.0 REFERENCES

### 10.1 PERSONS CONTACTED

- Ms. Charlene Mitzimberg, Unit Administrator, Joe E. Mann USAR Center, (509) 483-6920, September 6, 2006.
- Mr. Steve Hart, Facility Manager, Joe E. Mann USAR Center, (509) 483-6920, ext. 123, September 6, 2006.
- Mr. Patrick Marchman, Environmental Program Manger, ICI, LLC, U.S. Army Reserves 70<sup>th</sup> Regional Readiness Command, (206) 301-2091, September 6-7, 2006.

### 10.2 RESOURCES CONSULTED

- Environmental Data Resources, Inc. (EDR) Report for the Pfc. Joe E. Mann USAR Center, July 14, 2006.
- Federal Regulatory Databases
  - National Priorities List (NPL), April 19, 2006
  - Proposed NPL Sites, April 19, 2006
  - Delisted NPL Sites, April 19, 2006
  - Federal Superfund Liens (NPL Liens), October 15, 1991
  - Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), February 1, 2006
  - CERCLIS No Further Remedial Action Planned Sites (NFRAP), February 1, 2006
  - Resource Conservation and Recovery Information System (RCRIS) Corrective Action Sites (CORRACTS), March 15, 2005
  - Resource Conservation and Recovery Act Information (RCRA), March 9, 2006
  - Emergency Response Notification System (ERNS), December 31, 2005
  - Engineering Controls Sites List (US ENG CONTROLS), March 21, 2006

- Listing of Brownfields Sites, April 26, 2006
- Superfund Consent Decrees, December 14, 2004
- Records of Decision (ROD), March 13, 2006
- Department of Defense Sites, December 31, 2004
- Uranium Mill Tailings Sites, November 4, 2005
- Open Dump Inventory (ODI), June 30, 1985
- Toxic Chemical Release Inventory System (TRIS), December 31, 2003
- Toxic Substances Control Act (TSCA), December 31, 2002
- FIFRA/TSCA Tracking System, March 29, 2006
- FTTS INSP, March 31, 2006
- Section 7 Tracking Systems (SSTS), December 31, 2004
- Integrated Compliance Information System (ICIS), February 13, 2006
- PCB Activity Database System (PADS), December 27, 2005
- Material Licensing Tracking System (MLTS), April 12, 2006
- Mines Master Index File (MINES), February 9, 2006
- Facility Index System/Facility Registry System (FINDS), April 27, 2006
- RCRA Administrative Action Tracking System (RAATS), April 17, 1995
- Biennial Reporting System (BRS), December 31, 2003
- State and Local Regulatory Databases
  - Confirmed and Suspected Contaminated Sites List, May 11, 2006
  - Hazardous Sites List, March 27, 2006
  - Confirmed & Contaminated Sites – No Further Action, May 11, 2006
  - Solid Waste Facility Database, October 01, 2004

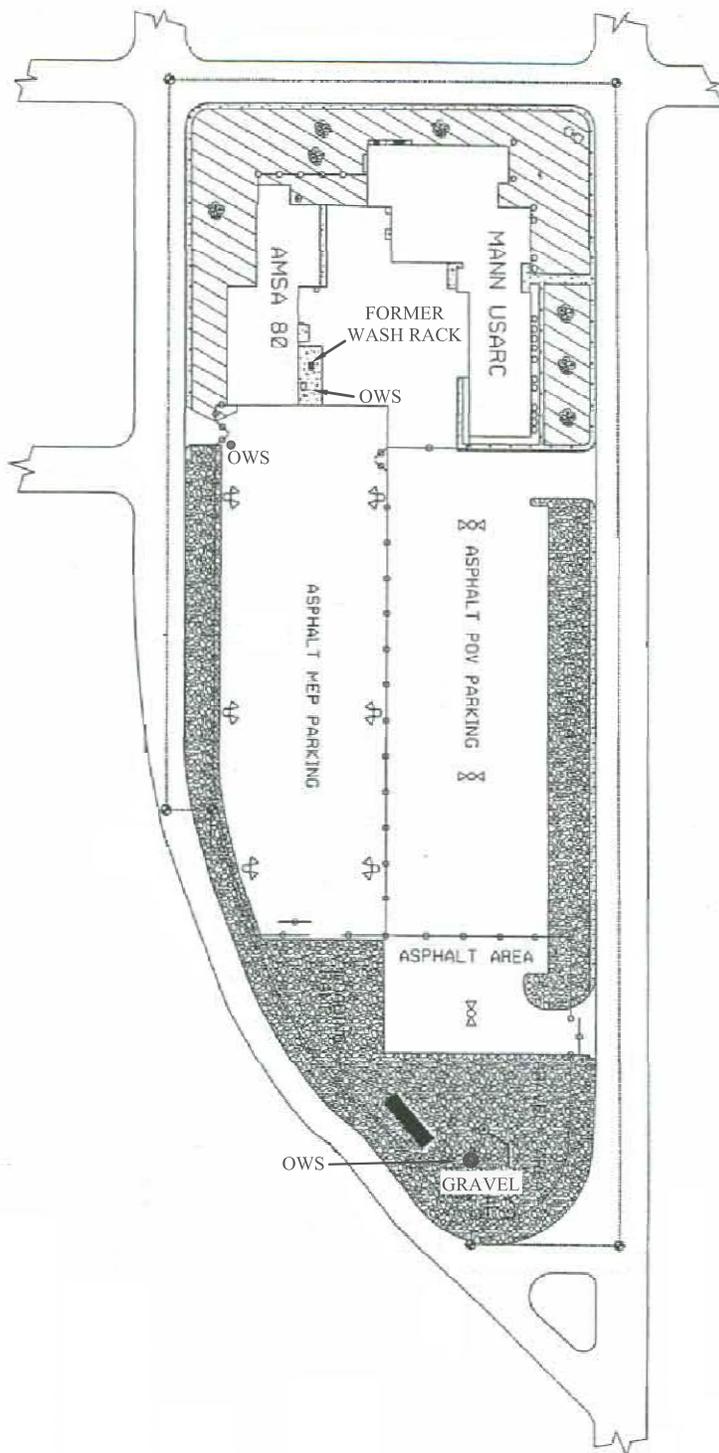
- Solid Waste Tire Facilities, November 01, 2005
- Leaking Underground Storage Tanks Site List, March 08, 2006
- Underground Storage Tank Database, April 27, 2006
- Aboveground Storage Tank Locations, December 12, 2005
- Hazardous Waste Manifest Data, December 31, 2004
- Reported Spills, March 29, 2006
- Institutional Control Site List, June 06, 2006
- Voluntary Cleanup Program Sites, May 11, 2006
- Independent Cleanup Reports, December 01, 2002
- Drycleaner List, January 12, 2006
- Clandestine Drug Lab Contaminated Site List, May 23, 2006
- Washington Emissions Data System, December 31, 2004
- Inactive Drycleaners, January 01, 2006
- Tribal Records
  - Indian Reservations, December 31, 2004
  - Leaking Underground Storage Tanks on Indian Land, April 14, 2006
  - Underground Storage Tanks on Indian Land, April 05, 2006
- EDR Proprietary Records
  - Manufactured Gas Plants
  - Historical Auto Stations
  - Historical Cleaners
- Historical Chain of Title Report for the PFC Joe E. Mann USARC, September 14, 2006.

- Environmental Lien Search Report for the PFC Joe E. Mann USARC, September 14, 2006.
- State of Washington Department of Ecology, Coastal Zone Management Program, September, 2006,  
<http://www.ecy.wa.gov/programs/sea/czm/index.html>.
- State of Washington State Department of Natural Resources Geology of Washington, Columbia Basin Area website, September, 2006,  
<http://www.dnr.wa.gov/geology/columbia.htm>.
- USEPA Map of Radon Zones,  
<http://www.epa.gov/radon/zonemap/washington.htm>.

### **10.3 AGENCIES CONTACTED**

- Ms. Sally Perkins, Washington Department of Ecology, 3190 160<sup>th</sup> Avenue SE, Bellevue, WA, August 10, 2006.
- US EPA, Region 10 FOIA Officer, 1200 6<sup>th</sup> Avenue, Seattle, WA, August 10, 2006.
- Planning Department, City of Spokane Valley Planning Department, (509) 921-1000, September 28, 2006.

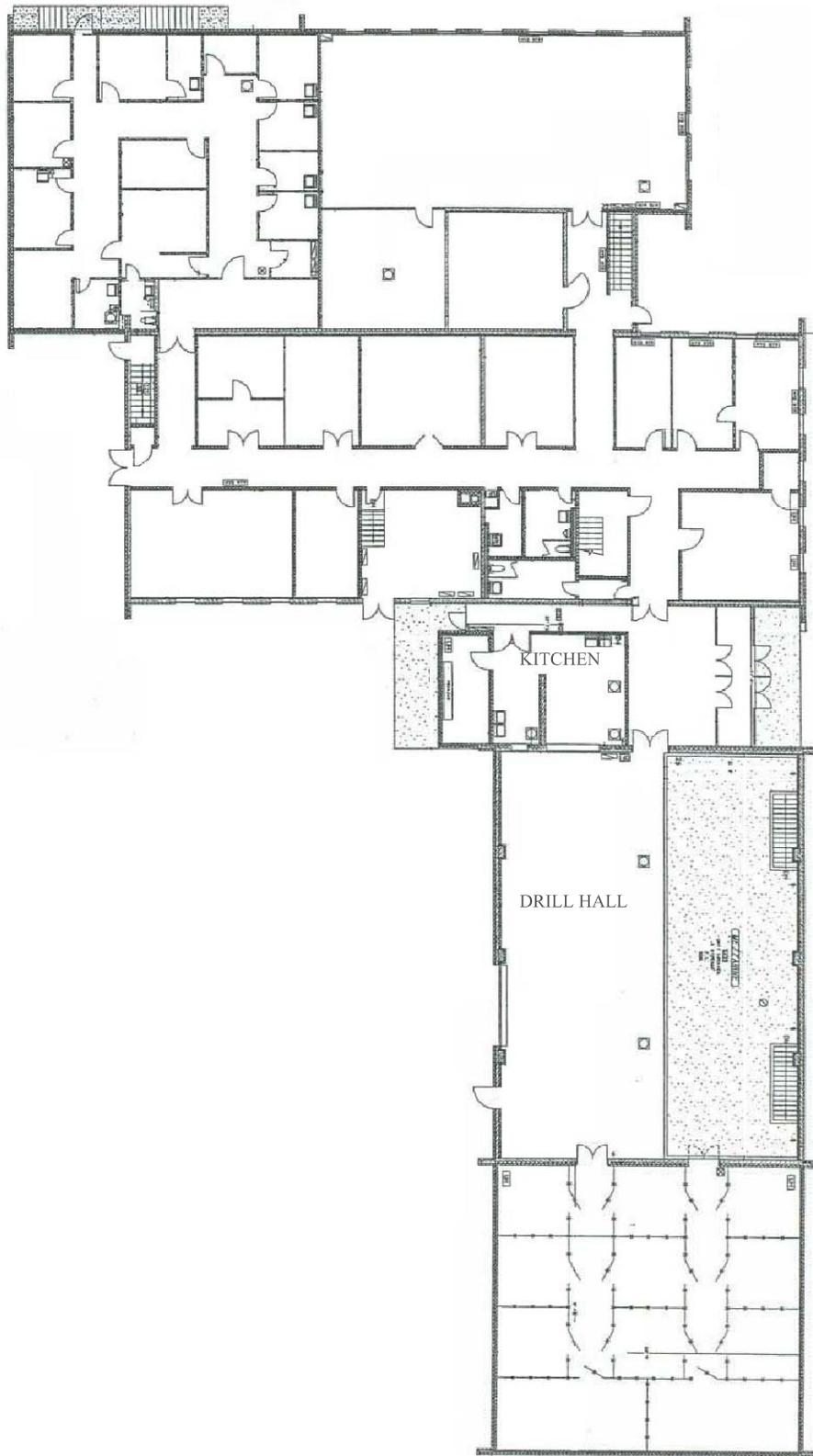




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 APPROXIMATE SCALE

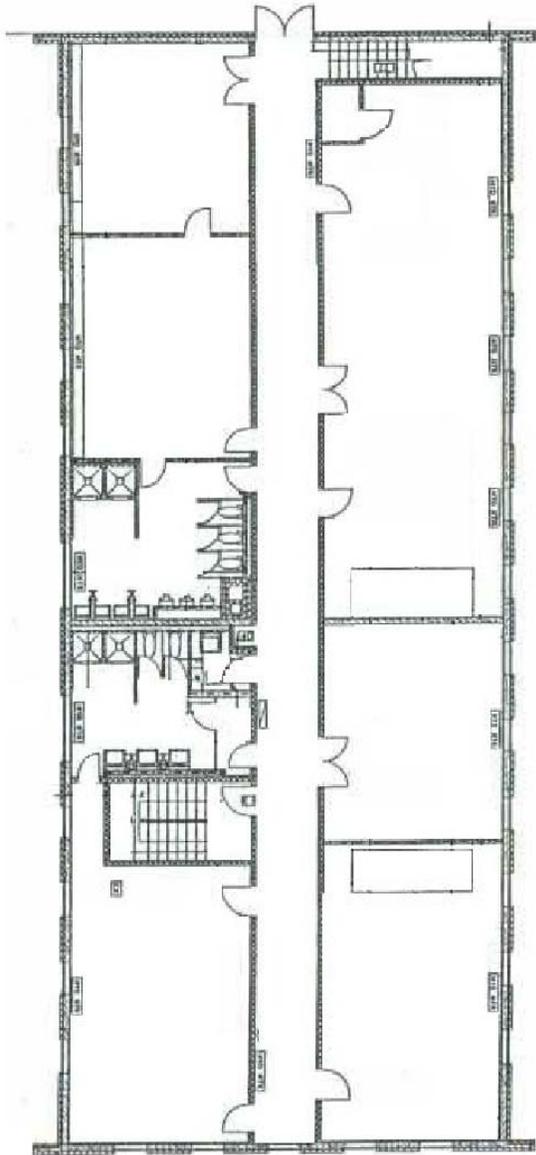


FIGURE 2  
 SITE LAYOUT PLAN  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON

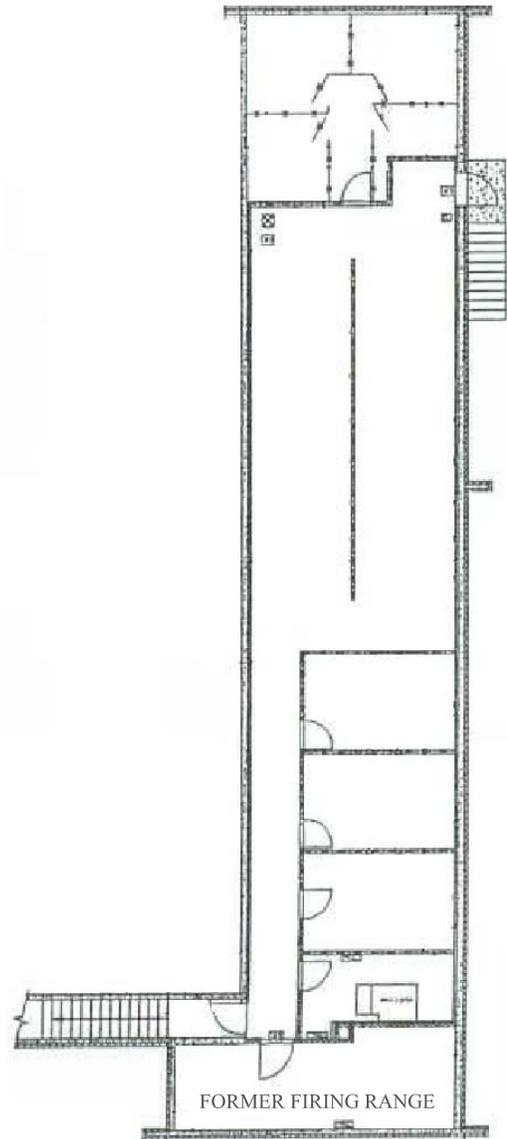


SCALE: 1"=30'  
APPROXIMATE SCALE

FIGURE 3  
INTERIOR LAYOUT OF ADMINISTRATIVE BLDG. 1ST FLOOR  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON



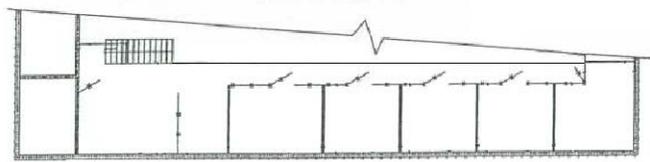
SECOND FLOOR



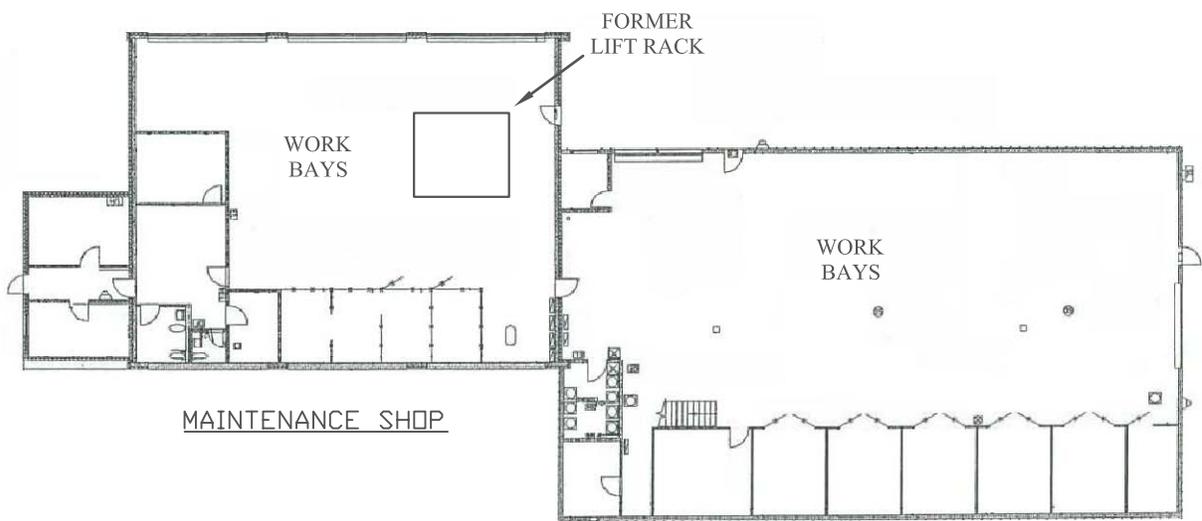
BASEMENT



SCALE: 1"=20'  
APPROXIMATE SCALE



MEZZANINE



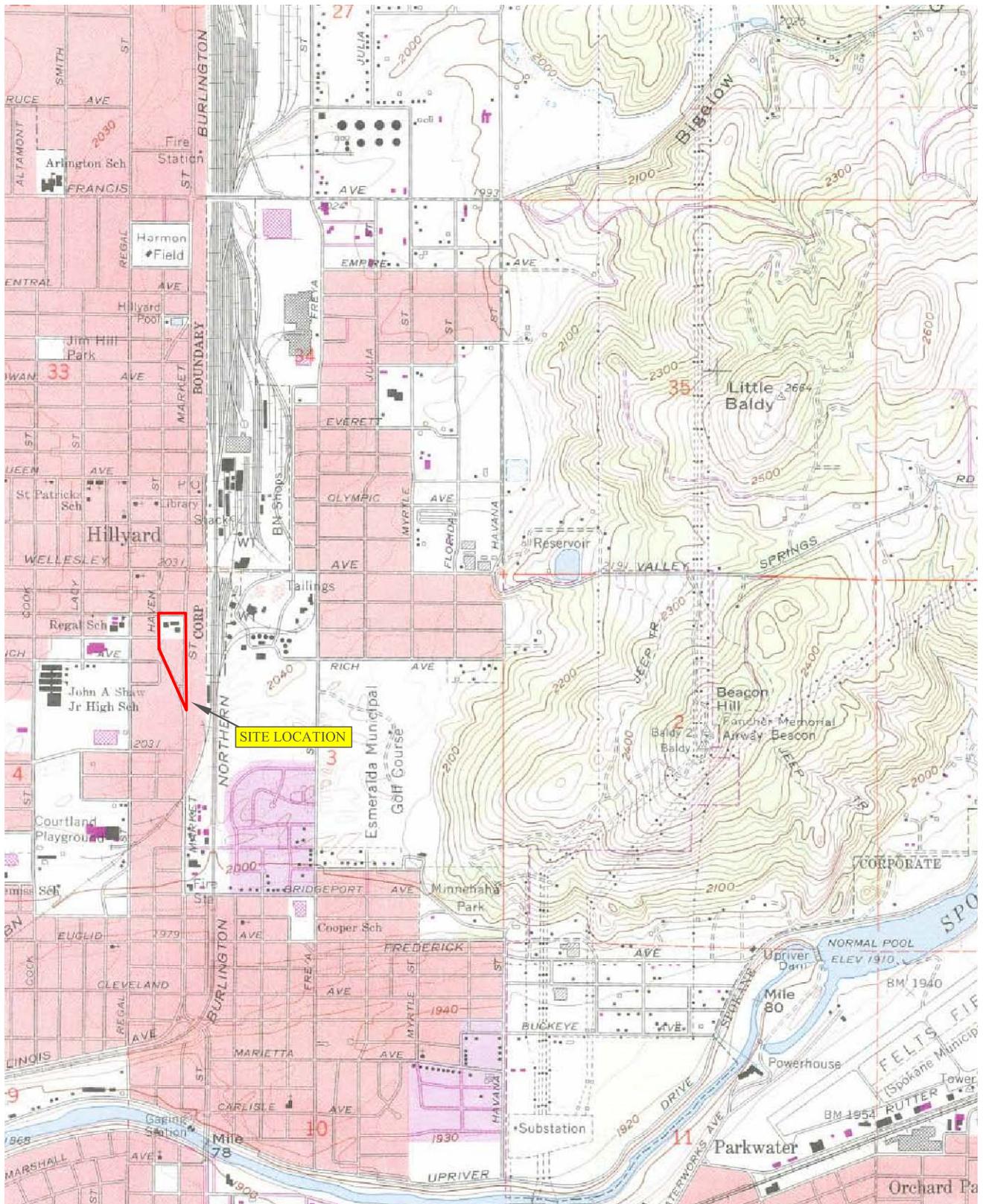
MAINTENANCE SHOP

WAREHOUSE

SCALE: 1"=30'  
APPROXIMATE SCALE

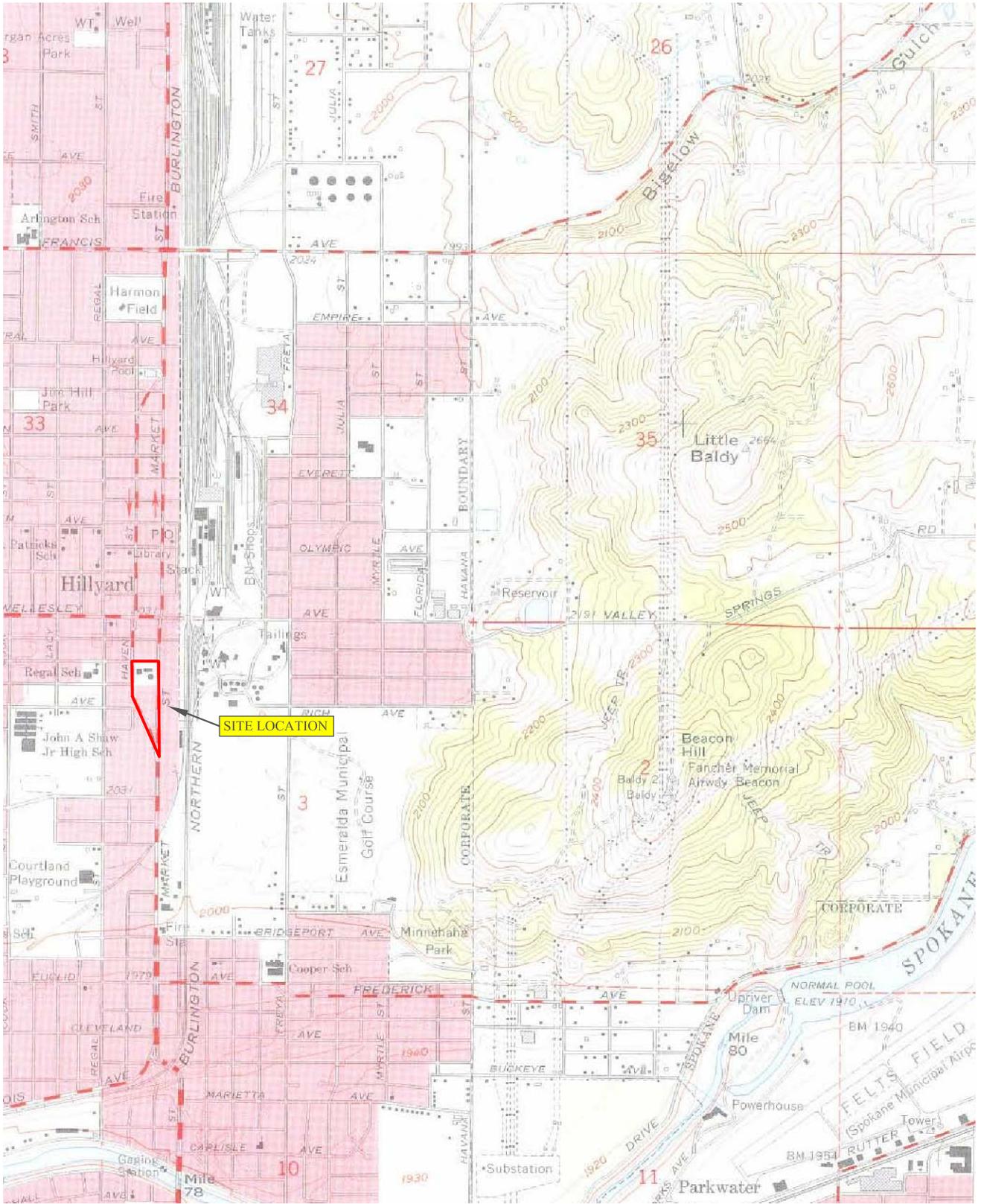


FIGURE 5  
INTERIOR LAYOUT OF AMSA SHOP  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON



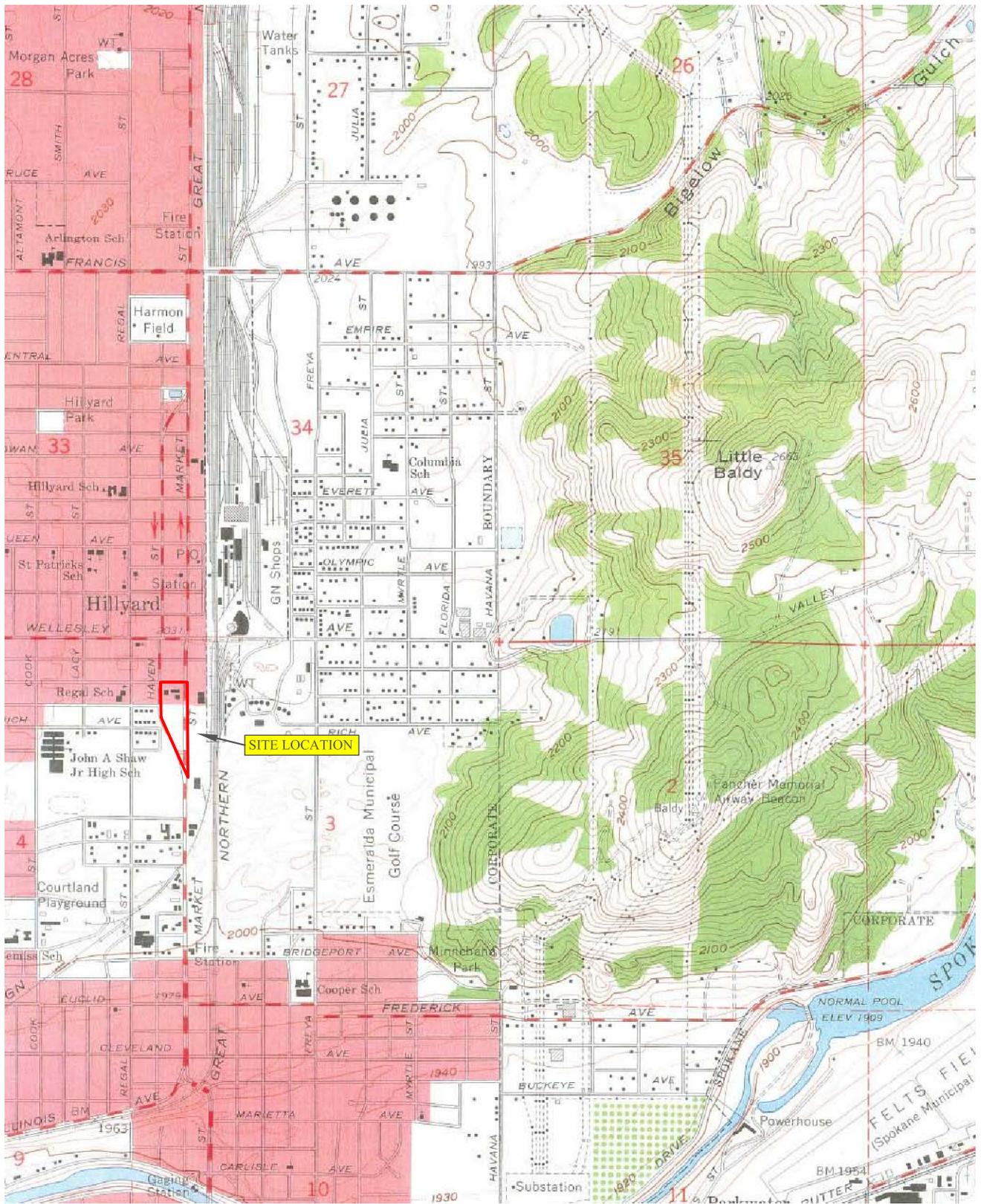
SCALE: 1:24000  
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FIGURE 6  
 1986 TOPOGRAPHIC MAP  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON



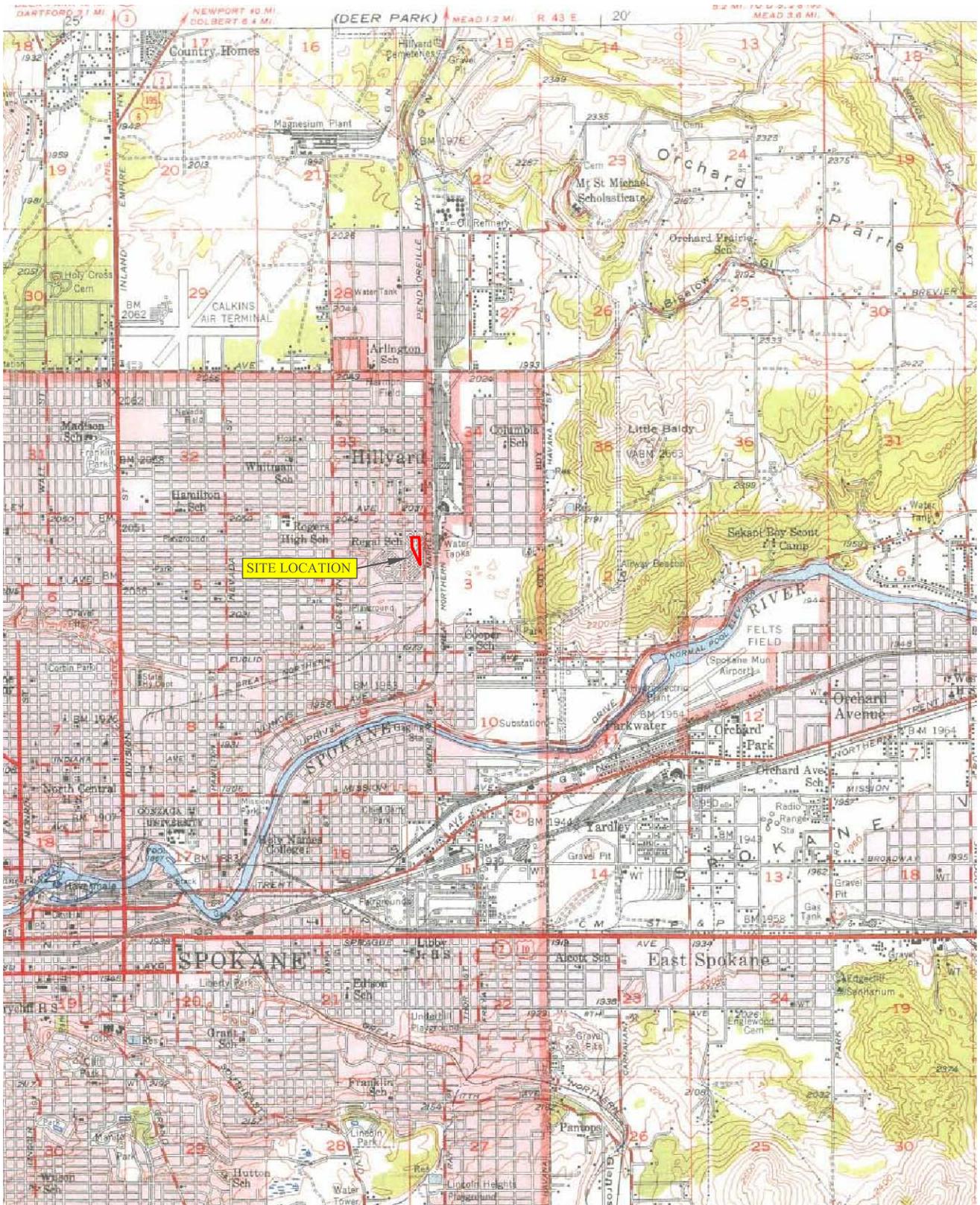
SCALE: 1:24000  
 APPROXIMATE SCALE

FIGURE 7  
 1973 TOPOGRAPHIC MAP  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON



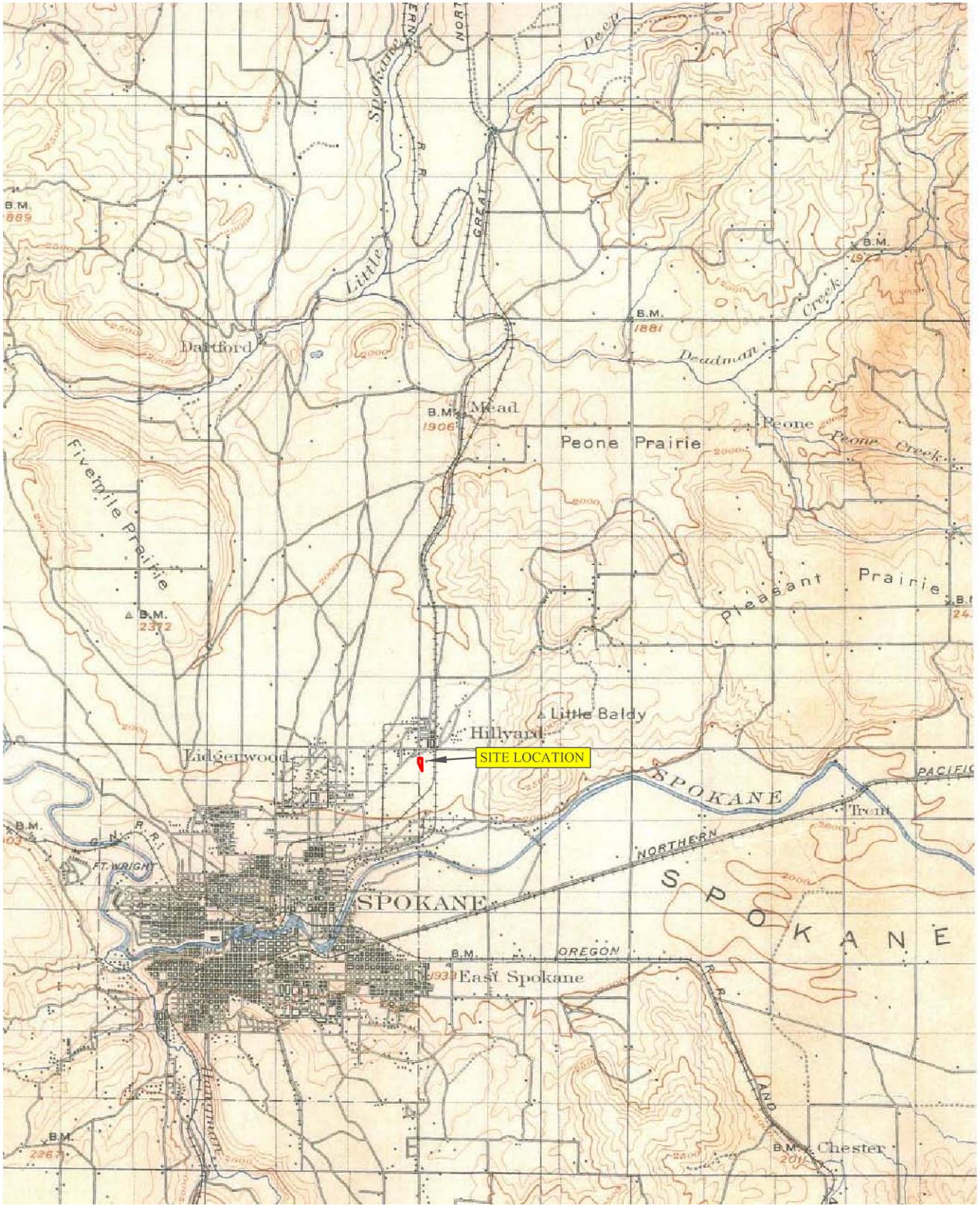
SCALE: 1:24000  
 APPROXIMATE SCALE

FIGURE 8  
 1963 TOPOGRAPHIC MAP  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON



SCALE: 1:62500  
 APPROXIMATE SCALE

FIGURE 9  
 1950 TOPOGRAPHIC MAP  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON



SCALE: UNKNOWN  
APPROXIMATE SCALE

FIGURE 10  
1901 TOPOGRAPHIC MAP  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON

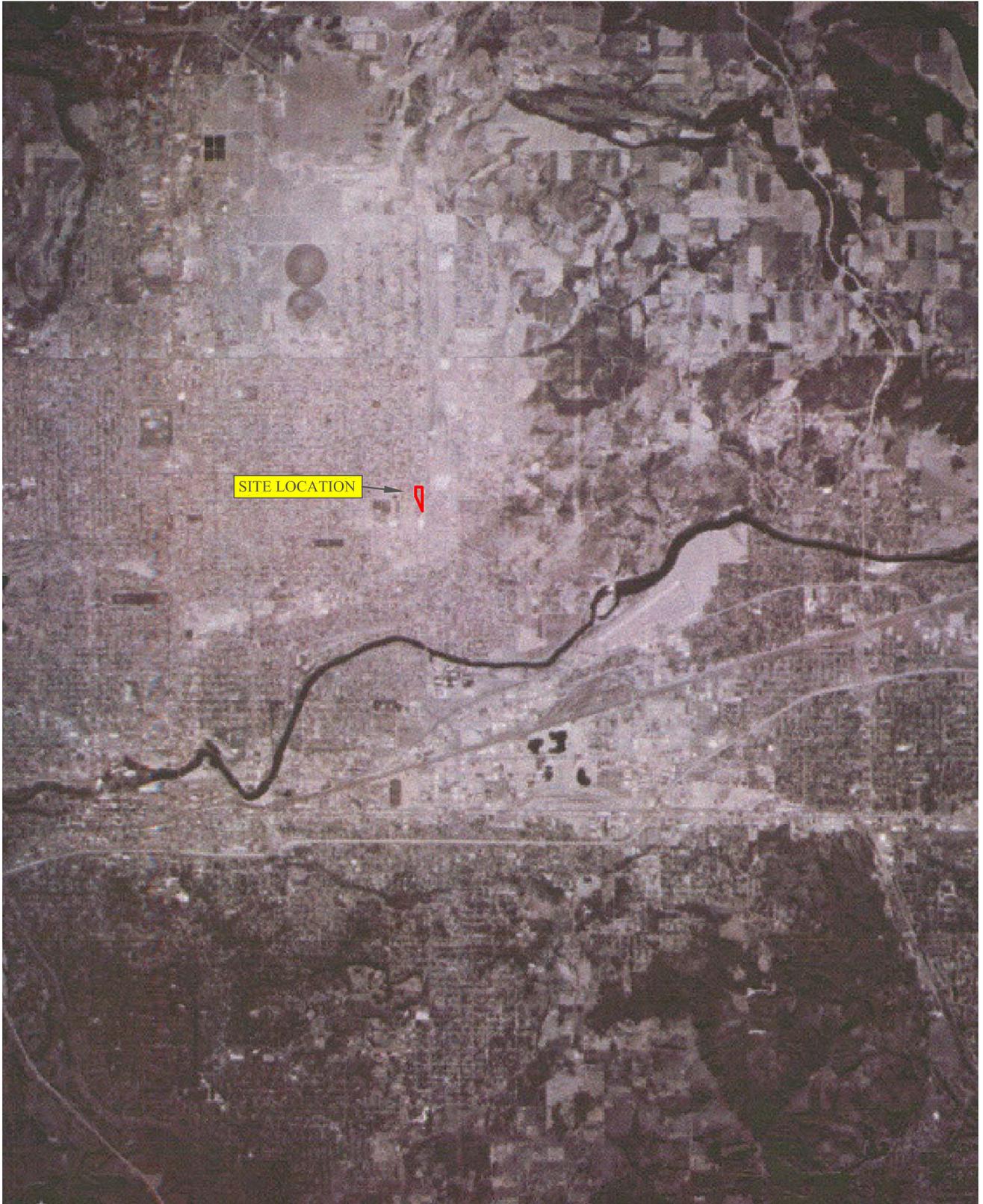


SITE LOCATION

SCALE: 1 : 100000  
APPROXIMATE SCALE



FIGURE 11  
1991 AERIAL PHOTOGRAPH  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON



SCALE: 1:175000  
APPROXIMATE SCALE



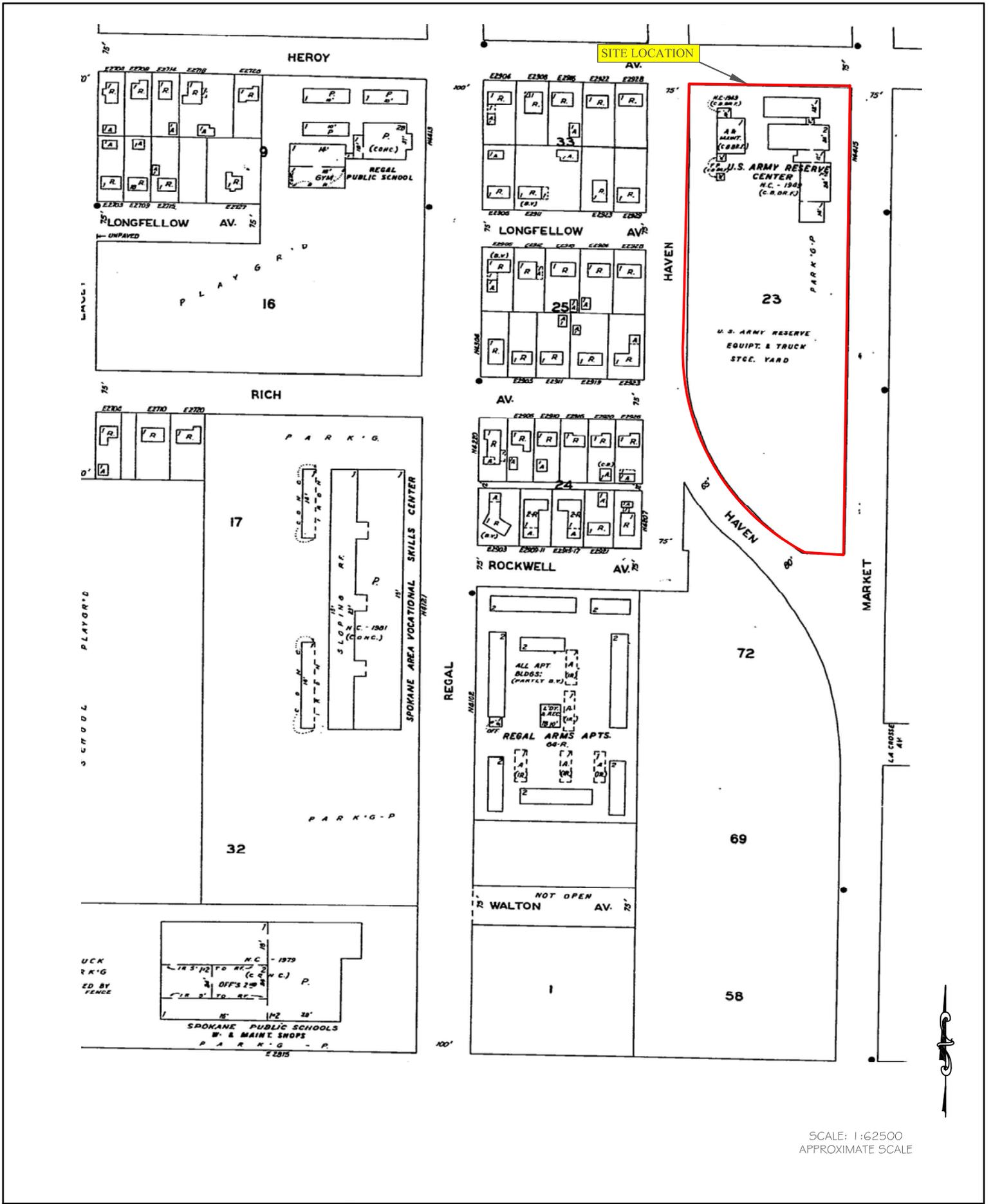
FIGURE 12  
1982 AERIAL PHOTOGRAPH  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON



SCALE: 1:62500  
APPROXIMATE SCALE



FIGURE 13  
1972 AERIAL PHOTOGRAPH  
MANN HALL USARC WA032  
4415 N. MARKET STREET  
SPOKANE, WASHINGTON



SCALE: 1:62500  
 APPROXIMATE SCALE

FIGURE 14  
 1980 SANBORN FIRE INSURANCE MAP  
 MANN HALL USARC WA032  
 4415 N. MARKET STREET  
 SPOKANE, WASHINGTON



**Photograph 1. Administration Building facing southwest**



**Photograph 2. Administration Building facing west**



**Photograph 3. POV facing west**



**Photograph 4. AMSA facing north**



**Photograph 5. MEP facing north**



**Photograph 6. MEP facing east at south end of Site**



**Photograph 7. AMSA Work Bays at southern end of AMSA**



**Photograph 8. Used Oil AST Hazardous Waste Storage Shed**



**Photograph 9. AMSA facing south**



**Photograph 10. Insulation in Boiler Room**



**Photograph 11. Loose floor tiles in Fan/Air Conditioning Room next to Boiler Room**



**Photograph 12. AMSA Hazmat Storage Cages in AMSA**



**Photograph 13. Waste oil storage sheds near southeast end of AMSA**



**Photograph 14. Hazmat Shed # 3**



**Photograph 15. Hazmat Shed # 2 containing new oil and diesel**



**Photograph 16. Hazmat Shed # 1**



**Photograph 17. CONEX Units**



**Photograph 18. Used batteries with secondary containment**



**Photograph 19. Used batteries wash and drain area with white staining**



**Photograph 20. Used batteries in Hazmat Room**



**Photograph 21. Former Hydraulic Lift area at northern end of AMSA**



**Photograph 22. Hazmat cabinet #1 in Hazmat Room**



Photograph 23. Hazmat cabinet #2 in Hazmat Room



Photograph 24. Hazmat cabinet #3 in Hazmat Room



Photograph 25. Hazmat cabinet #4 in Hazmat Room



Photograph 26. Hazmat cabinet #5 in Hazmat Room



**Photograph 27. New Oil Supply Room**



**Photograph 28. Solvent Cleaning Station**



**Photograph 29. Medical Exam Room**



**Photograph 30. Off Site facing east toward Preschool**



**Photograph 31. Off Site facing south**



**Photograph 32. Residences facing southwest**



**Photograph 33. Off Site facing northwest**



**Photograph 34. Former UST and OWS-1**



**Photograph 35. OWS – 2**



**Photograph 36. Rebuilt OWS – 3**



**Photograph 37. Former Indoor Firing Range**



**Photograph 38. Pole Mounted Transformer**



**Photograph 39. Former Dental X-Ray Room**



2055 East Rio Salado Parkway, Suite 201  
Tempe, Arizona 85281  
Phone: (480) 967-6752  
Fax Number: (480) 966-9422  
Web Site: [www.netronline.com](http://www.netronline.com)

## **HISTORICAL CHAIN OF TITLE REPORT**

**PFC JOE E. MANN USARC  
4415 N MARKET ST  
SPOKANE, WASHINGTON**

**Submitted to:**

**ENVIRONMENTAL DATA RESOURCES, INC.  
C/O  
FMSM ENGINEERS, INC.  
1901 Nelson Miller Parkway  
Louisville, Kentucky 40223  
(502) 212-5000**

**Attention: Robert Newman**

**Project No. N06-5247**

**Monday, September 18, 2006**

**NETR- Real Estate Research & Information** hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

Lots 1 through 12 of Block 97; Lots 1 through 12 of Block 86; and Lots 1, 2, 3, 4, 12 and portions of Lots 5, 6, 8, 9, 10 and 11 of Block 83; all in North Minnehaha Addition, situated and lying in the Northwest  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of Section 3, Township 25 North, Range 43 East of the Willamette Meridian, City and County of Spokane, State of Washington

Assessor's Parcel No: 35032.2301

## **1. HISTORICAL CHAIN OF TITLE**

### 1. DECLARATION OF TAKING:

RECORDED: 05-03-1943  
GRANTOR: Jessie M. Mokler, et al  
GRANTEE: Defense Plants Corporation  
INSTRUMENT: Civil 342

### 2. DEED:

RECORDED: 05-03-1943  
GRANTOR: Buckley Investment Company  
GRANTEE: Defense Plants Corporation  
INSTRUMENT: Bk 542, Pg 318  
COMMENTS: The Defense Plants Corporation was dissolved and all its assets were vested in the Reconstruction Finance Corporation. On 04-10-1946, the Reconstruction Finance Corporation declared the property as surplus and transferred to War Assets Administration whereas by letter dated 05-03-1946, the property was assigned to the National Housing Agency for disposition

### 3. DEED:

RECORDED: 05-01-1947  
GRANTOR: United States of America, acting by and through the National Housing Agency  
GRANTEE: United States of America  
INSTRUMENT: Bk 542, Pg 318

## **2. LEASES AND MISCELLANEOUS**

1. No institutional controls or engineering controls were found of record.

### **3. LIMITATION**

This report was prepared for the use of Environmental Data Resources, Inc., and FMSM Engineers, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.



## **The EDR Environmental Lien Search Report**

**PFC JOE E. MANN USARC  
N 4415 MARKET ST  
SPOKANE, WASHINGTON**

**Monday, September 18, 2006**

**Project Number: L06-4542**

## **The Standard In Environmental Risk Management Information**

**440 Wheelers Farm Road  
Milford, Connecticut 06460**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802**

# ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

## TARGET PROPERTY INFORMATION

### ADDRESS

**PFC JOE E. MANN USARC  
N 4415 MARKET ST  
SPOKANE, WASHINGTON**

## DEED INFORMATION

Type of Deed: WD  QCD  Other  DEED

Title is vested in: United States of America

Title received from: United States of America, acting by and through the National Housing Agency

Deed Dated: 07-31-1946

Deed Recorded: 05-01-1947

Book: 542

Page: 318

## LEGAL DESCRIPTION

Description: Lots 1 through 12 of Block 97; Lots 1 through 12 of Block 86; and Lots 1, 2, 3, 4, 12 and portions of Lots 5, 6, 8, 9, 10 and 11 of Block 83; all in North Minnehaha Addition, situated and lying in the Northwest  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of Section 3, Township 25 North, Range 43 East of the Willamette Meridian, City and County of Spokane, State of Washington

Assessor's Parcel Number: 35032.2301

**ENVIRONMENTAL LIEN**

Environmental Lien: **Found**  **Not Found**

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Recorded:

Book:

Page:

Comments: Although, an environmental lien was not found of record it was noted that a mechanics lien was filed by an environmental consulting firm, as Instrument No. 9208270026 on 08-27-1992. Whereas Roar Tech, Inc., a Washington Corporation at the request of Pegasus Environmental Management Services, Inc., filed a lien for labor performed and/or material furnished in the amount of \$13,883.55

**OTHER ACTIVITY AND USE LIMITATIONS (AULs)**

Other AULs: **Found**  **Not Found**

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

**Disclaimer - Copyright and Trademark Notice**

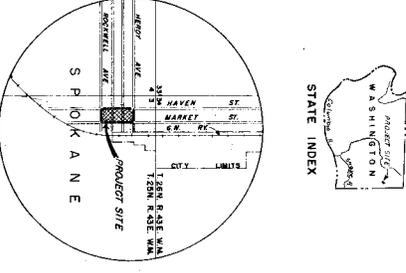
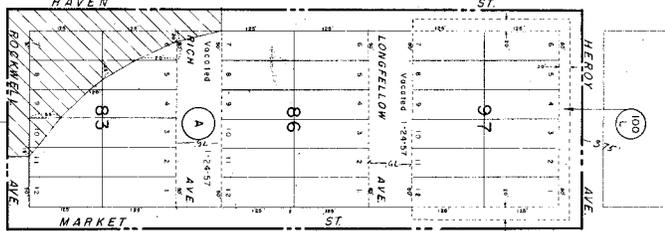
This report was prepared for the use of Environmental Data Resources, Inc., and FMSM Engineers, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and Nationwide Environmental Title Research (NETR) specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

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ACQUISITION TRACT REGISTER			
TRACT NO.	LAND OWNER	ACREAGE	REMARKS
A	Public Housing Administration	8.39	Transfer from deed 118-57
100 L	City of Spokane	0.00	Public Housing Administration

PROJECT MAP	
STATE	WASHINGTON
COUNTY	SPOKANE
DIVISION	NORTH PACIFIC
DISTRICT	WALLA, WALLA
ARMY AREA	SIXTH



**NOTE**  
The boundary of this installation was compiled from dead descriptions and plots of record.

NORTH MINNEHAHA ADDITION  
SPOKANE, WASHINGTON  
NW 1/4, Sec 3, T.25 N., R. 43 E., W. 1 M.

LOT ACRES FEE CONVEYED BY DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS TO CITY OF SPOKANE BY QUITCLAIM DEED DATED 16 DECEMBER 1963.

20 APR 64	Due to Revised	ADD
20 JUL 62	Added to 100L	ADD
17 SEP 57	Due to First Addit	ADD

REVISIONS

DRAWN BY: N.A.L. TRACED BY: N.A.L. CHECKED BY: N.A.L. SUBMITTED BY: Robert U. Sweeney RECOMMENDED BY: [Signature] AUTHORIZED BY: [Signature]	DEPARTMENT OF THE ARMY OFFICE OF THE WALLA WALLA DISTRICT ENGINEER NORTH PACIFIC DIVISION REAL ESTATE UNITED STATES ARMY RESERVE CENTER SPOKANE, WASHINGTON MILITARY RESERVATION
---	--

APPROVED BY: [Signature]  
DATE: 18 OCT 1956  
OFFICE CHIEF OF ENGINEERS, WASHINGTON  
AUDITED 3764

ACQUISITION AUTHORIZATION	REC-0 8858, dated 18 Aug 1956 Lic No File No 50130 Date 30 June 1952
TRACT NUMBER	87
AVAILMENT	
CONFORM LINE	
DISPOSAL	

**LEGEND**  
 100 L FOR THE SPECIAL SURVEY SHOWN BELOW AND SYMBOL NO. 11  
 RESERVATION LINE  
 RESERVATION LINE  
 TRACT BOUNDARY LINE  
 AVAILMENT  
 CONFORM LINE  
 DISPOSAL

**ACQUISITION**  
 TOTAL ACRES ACQUIRED 8.39  
 ACRES FE  
 ACRES TRANSFERRED Fee 8.39  
 ACRES LEASD  
 ACRES LEAS TERMINATED  
 ACRES LEAS INTEREST Lc (1) 0.00

**DISPOSAL**  
 TOTAL ACRES DISPOSED OF 1.07  
 ACRES SOLD (FEE) 1.07  
 ACRES TRANSFERRED Fee  
 ACRES LEAS TERMINATED  
 ACRES LEAS INTEREST Lc (1) 0.00

**LOCATION OF PROJECT**  
 SPOKANE, WASHINGTON  
 MAPS OF  
 TRANSPORTATION FACILITIES  
 RAILROADS - N. P. & N.  
 STATE ROADS - 10 & 395  
 FEDERAL ROADS - 10 & 395  
 AIR LINES



**EDR**® Environmental  
Data Resources Inc

**The EDR-City Directory**  
*Abstract*

**PFC JOE E. MANN USARC**  
4415 N MARKET ST  
SPOKANE, WA 99207

**Inquiry Number: 1715536.90**

**Monday, July 24, 2006**

**The Standard in  
Environmental Risk  
Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

## EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## **SUMMARY**

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1964 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

**Date EDR Searched Historical Sources:** July 24, 2006

**Target Property:**

4415 N MARKET ST  
SPOKANE, WA 99207

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	US Dept Of Army Reserve Center (Spokane Subsector Command)	Polk's City Directory
1969	US Army Reserve Center	Polk's City Directory
1974	US Army Reserve Center	Polk's City Directory
1980	US Army Reserve Center (Mann Hall)	Polk's City Directory
1986	US Army Reserve Center (Mann Hall)	Polk's City Directory
1991	US Army Reserve Center (Mann Hall)	Polk's City Directory
1996	US Army Reserve Hospital	Polk's City Directory
2001	US Army Reserve	Polk's City Directory
2006	US Army Reserve Hospital	Polk's City Directory
	US Army Reserve Recruiting	Polk's City Directory

**Adjoining Properties**

**SURROUNDING**

Multiple Addresses  
SPOKANE, WA 99207

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	<u>**N MARKET ST**</u>	Polk's City Directory
	Address not listed in research source (4312)	Polk's City Directory
	Safeway Store (4410)	Polk's City Directory
	Address not listed in research source (4414)	Polk's City Directory
	Don's Enco Service (4503)	Polk's City Directory
	Headlight Oil Co (gas) (4506)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	Headlight Oil Co (fuel) (4512)	Polk's City Directory
	Residence (4515)	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Residence (3017)	Polk's City Directory
1969	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Zig's Electric & Plumbing Supply (4312)	Polk's City Directory
	Safeway Store (4410)	Polk's City Directory
	Address not listed in research source (4414)	Polk's City Directory
	Vacant (4503)	Polk's City Directory
	Headlight Oil Co (gas) (4506)	Polk's City Directory
	Headlight Oil Co (fuel) (4512)	Polk's City Directory
	Residence (4515)	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Residence (3017)	Polk's City Directory
1974	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Zig's Electric & Plumbing Supply (4312)	Polk's City Directory
	Safeway Store (4410)	Polk's City Directory
	Address not listed in research source (4414)	Polk's City Directory
	Vacant (4503)	Polk's City Directory
	Headlight Oil Co (gas) (4506)	Polk's City Directory
	Headlight Oil Co (fuel) (4512)	Polk's City Directory
	Residence (4515)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Residence (3017)	Polk's City Directory
1980	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Zig's Electric & Plumbing Supply (4312)	Polk's City Directory
	Address not listed in research source (4410)	Polk's City Directory
	Address not listed in research source (4414)	Polk's City Directory
	D & D Clutch & Brake (4503)	Polk's City Directory
	Square Deal Repair (4506)	Polk's City Directory
	Thrifty Auto Supply (4512)	Polk's City Directory
	Residence (4515)	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory
1986	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Zig's Electric & Plumbing Supply (4312)	Polk's City Directory
	Address not listed in research source (4410)	Polk's City Directory
	Thrifty Auto Supply (4414)	Polk's City Directory
	Quality Tire & Brake (4503)	Polk's City Directory
	Safeway Store (4512)	Polk's City Directory
	Residence (4515)	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory
1991	<b><u>**N MARKET ST**</u></b>	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Zig's Electric & Plumbing Supply (4312)	Polk's City Directory
	Hillyard Center Inst For Ext Learning Com College (4410)	Polk's City Directory
	Thrifty Auto Supply (4414)	Polk's City Directory
	Paradise Motors (4503)	Polk's City Directory
	Safeway Store (4512)	Polk's City Directory
	Vacant (4515)	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory
1996	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Hillyard Center Head Start (4410)	Polk's City Directory
	Paradise Motors (4503)	Polk's City Directory
	Safeway Store (4512)	Polk's City Directory
	No other addresses 4300-4599	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory
2001	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Head Start (4410)	Polk's City Directory
	Paradise Motors (4503)	Polk's City Directory
	Safeway Food & Drug (4512)	Polk's City Directory
	No other addresses 4300-4599	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	<b><u>**N MARKET ST**</u></b>	Polk's City Directory
	Hillyard Head Start (4410)	Polk's City Directory
	Pace People Accessing Careers (4410)	Polk's City Directory
	Paradise Motors (4503)	Polk's City Directory
	Liquidation Outlet (4512)	Polk's City Directory
	No other addresses 4300-4599	Polk's City Directory
	<b><u>**E HEROY AVE**</u></b>	Polk's City Directory
	Apts (3017)	Polk's City Directory



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**PFC JOE E. MANN USARC  
N. 4415 MARKET ST  
SPOKANE, WA 99207**

**Inquiry Number: 01715536.86r**

**July 14, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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***Thank you for your business.***  
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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

N. 4415 MARKET ST  
SPOKANE, WA 99207

#### COORDINATES

Latitude (North): 47.697800 - 47° 41' 52.1"  
Longitude (West): 117.365000 - 117° 21' 54.0"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 472613.2  
UTM Y (Meters): 5282558.5  
Elevation: 2037 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47117-F3 SPOKANE NE, WA  
Most Recent Revision: 1986  
  
West Map: 47117-F4 SPOKANE NW, WA  
Most Recent Revision: 1986

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
USARMY RESERVE CENTER MANN HALL 4415 N MARKET ST SPOKANE, WA 99207	FINDS	110015548861
USARMY RESERVE CENTER MANN HALL 4415 N MARKET ST SPOKANE, WA 99207	RCRA-SQG MANIFEST	WAH000020156
SPOKANE USARC - MANN HALL 4415 N MARKET ST SPOKANE, WA 99207	LUST UST	N/A

# EXECUTIVE SUMMARY

## DATABASES WITH NO MAPPED SITES

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

### FEDERAL RECORDS

<b>NPL</b>	National Priority List
<b>Proposed NPL</b>	Proposed National Priority List Sites
<b>NPL RECOVERY</b>	Federal Superfund Liens
<b>CERCLIS</b>	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>DOD</b>	Department of Defense Sites
<b>FUDS</b>	Formerly Used Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>HSL</b>	Hazardous Sites List
<b>SWF/LF</b>	Solid Waste Facility Database
<b>SWTIRE</b>	Solid Waste Tire Facilities
<b>AST</b>	Aboveground Storage Tank Locations
<b>SPILLS</b>	Reported Spills
<b>INST CONTROL</b>	Institutional Control Site List
<b>VCP</b>	Voluntary Cleanup Program Sites
<b>ICR</b>	Independent Cleanup Reports
<b>DRYCLEANERS</b>	Drycleaner List
<b>CDL</b>	Clandestine Drug Lab Contaminated Site List
<b>EMI</b>	Washington Emissions Data System
<b>INACTIVE DRYCLEANERS</b>	Inactive Drycleaners

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
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## EXECUTIVE SUMMARY

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

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants  
**EDR Historical Auto Stations**EDR Proprietary Historic Gas Stations  
**EDR Historical Cleaners**..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

### FEDERAL RECORDS

**Delisted NPL:** 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.

A review of the Delisted NPL list, as provided by EDR, and dated 04/19/2006 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SPOKANE JUNKYARD/ASSOCIATED PR</i></b>	<b><i>N 3322 COOK ST.</i></b>	<b><i>1/2 - 1 SSW</i></b>	<b><i>16</i></b>	<b><i>33</i></b>

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

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/01/2006 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALUMINUM RECYCLING CORP	E 3412 WELLESLEY	1/8 - 1/4NNE	8	15
<b><i>UNION CARBIDE LINDE DIV</i></b>	<b><i>4020 N MARKET ST</i></b>	<b><i>1/8 - 1/4S</i></b>	<b><i>B9</i></b>	<b><i>15</i></b>
<b><i>BURLINGTON NORTHERN HILLYD</i></b>	<b><i>3205 E QUEEN</i></b>	<b><i>1/4 - 1/2N</i></b>	<b><i>14</i></b>	<b><i>24</i></b>

## EXECUTIVE SUMMARY

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>WASHINGTON CHEMICAL INC</b>	<b>E 3828 QUEEN AVE</b>	<b>1/2 - 1 NE</b>	<b>15</b>	<b>25</b>

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SPOKANE SCH DIST SKILLS CENTER</b>	<b>4141 N REGAL</b>	<b>1/8 - 1/4 SW</b>	<b>5</b>	<b>10</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>UNION CARBIDE LINDE DIV</b>	<b>4020 N MARKET ST</b>	<b>1/8 - 1/4 S</b>	<b>B9</b>	<b>15</b>
<b>OXARC INCORPORATED</b>	<b>4020 N. MARKET ST.</b>	<b>1/8 - 1/4 S</b>	<b>B10</b>	<b>16</b>

**CONSENT:** Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/14/2004 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SPOKANE JUNKYARD/ASSOCIATED PR</b>	<b>N 3322 COOK ST.</b>	<b>1/2 - 1 SSW</b>	<b>16</b>	<b>33</b>

### STATE AND LOCAL RECORDS

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

A review of the CSCSL list, as provided by EDR, and dated 05/11/2006 has revealed that there are 5

## EXECUTIVE SUMMARY

CSCSL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>KOCH MATERIALS COMPANY</b>	<b>4327 N THOR ST</b>	<b>1/4 - 1/2 E</b>	<b>11</b>	<b>17</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BNSF RAILWAY BLACK TANK PROPER	3202 E WELLESLEY	1/8 - 1/4 NNE	6	12
BN SF RR BUNKER C SPILL AREA	FREYA / E LONGFELLOW	1/4 - 1/2 E	12	21
<b>BURLINGTON NORTHERN HILLYD</b>	<b>3205 E QUEEN</b>	<b>1/4 - 1/2 N</b>	<b>14</b>	<b>24</b>
SICILIA TRUCKING	N 5523 JULIA	1/2 - 1 NE	17	37

**CSCSL NFA:** The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 05/11/2006 has revealed that there is 1 CSCSL NFA site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>UNION CARBIDE LINDE DIV</b>	<b>4020 N MARKET ST</b>	<b>1/8 - 1/4 S</b>	<b>B9</b>	<b>15</b>

**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 Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 03/08/2006 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SPOKANE SCHOOL DISTRICT #81</b>	<b>2815 E GARLAND</b>	<b>1/4 - 1/2 SW</b>	<b>13</b>	<b>22</b>

**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 Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 04/27/2006 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T. K. QWIK STOP	3021 E WELLESLEY AVE	1/8 - 1/4 NNW	7	14

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VERN E ZIEGLER/ZIEGLER LUMBER	4220 N MARKET STREET	1/8 - 1/4 S	4	9

## EXECUTIVE SUMMARY

**MANIFEST:** Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

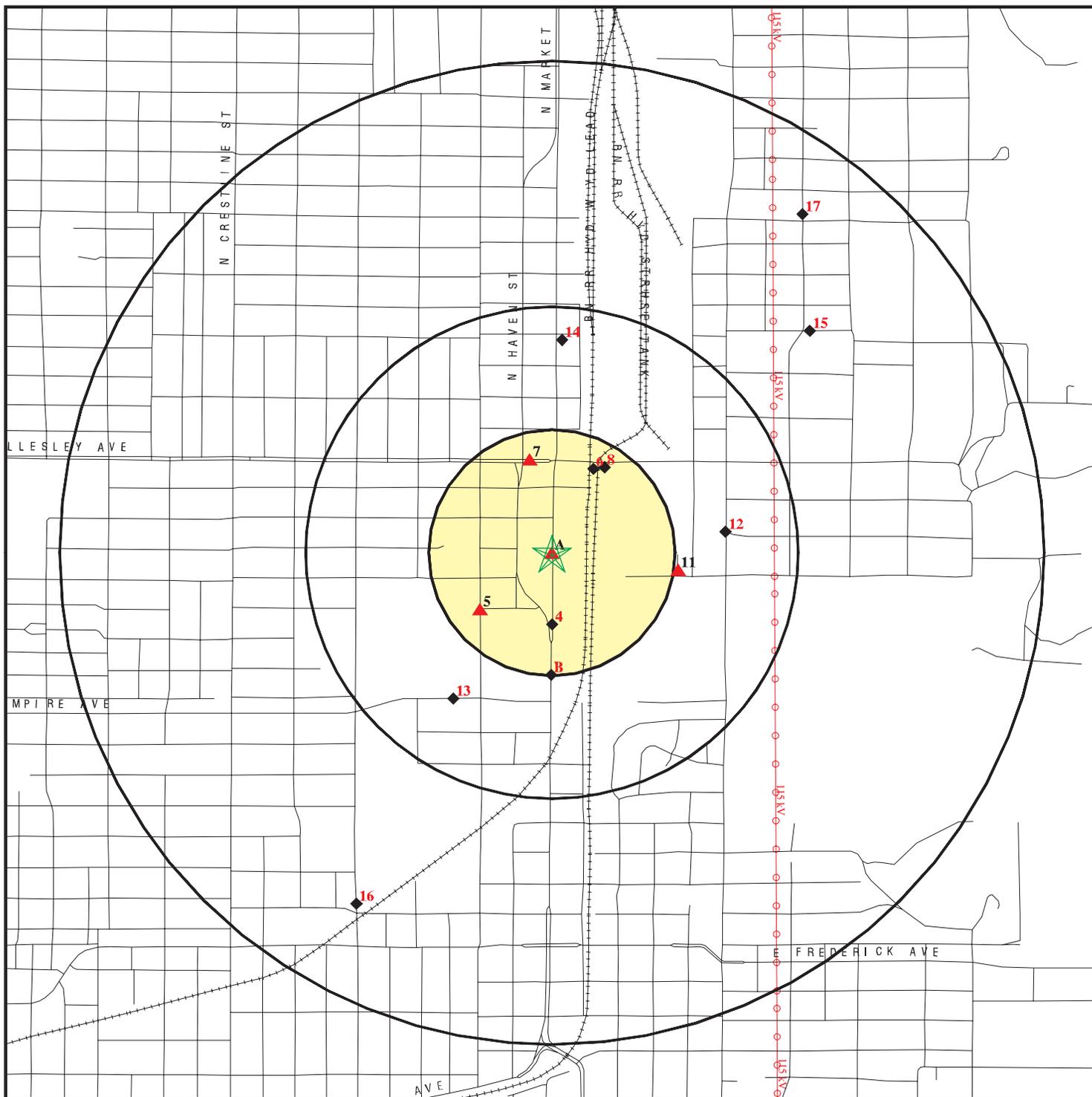
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SPOKANE SCH DIST SKILLS CENTER</i>	<i>4141 N REGAL</i>	<i>1/8 - 1/4SW</i>	<i>5</i>	<i>10</i>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
BNSF HILLYARD LEAD SOIL SITE	CSCSL
NORTH MARKET ST BN	CSCSL
SEMMATERIALS LP - HILLYARD	CSCSL
DRAPER TRACTOR PARTS	CERC-NFRAP
WESTERN FRUIT EXPRESS SHOP	RCRA-SQG, FINDS, CERC-NFRAP, CSCSL NFA
A TO Z RENTALS & SALES INC	UST
THE PLANT	UST
WA DOT PARCEL 603853	RCRA-SQG, FINDS
MARKET ST DRUM	RCRA-SQG, FINDS
E JOSEPH N JULIA ST	RCRA-SQG, FINDS
ALUMINUM RECYCLING CORP	RCRA-SQG
3901 E BROADWAY AVE	HMIRS
BURLINGTON NORTHERN RAILROAD	ICR

# OVERVIEW MAP - 01715536.86r



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

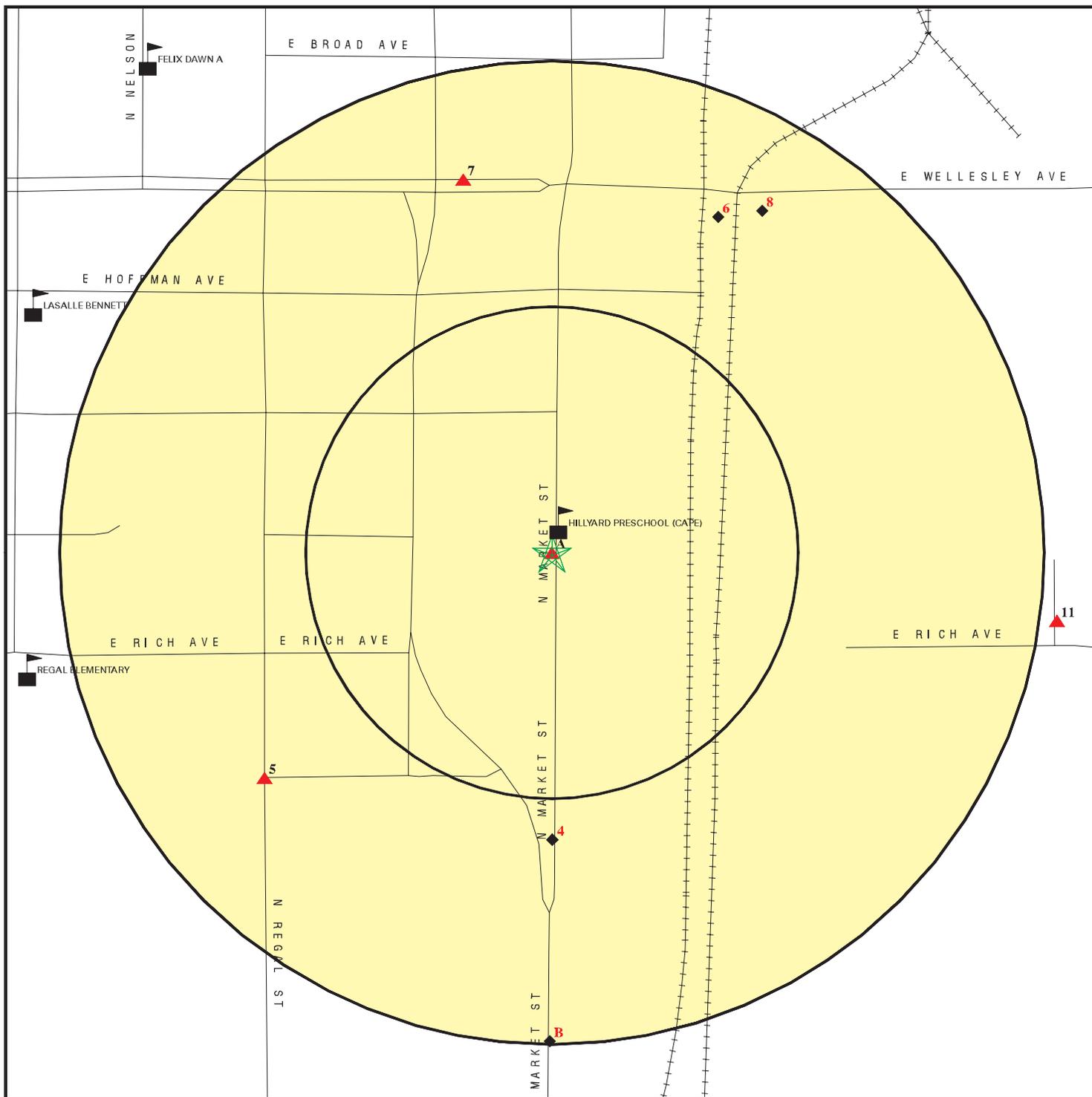
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

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: PFC JOE E. MANN USARC  
 ADDRESS: N. 4415 MARKET ST  
 SPOKANE WA 99207  
 LAT/LONG: 47.6978 / 117.3650

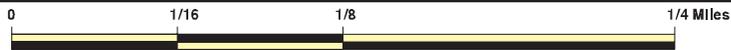
CLIENT: FMSM Engineers  
 CONTACT: Robert Newman  
 INQUIRY #: 01715536.86r  
 DATE: July 14, 2006

# DETAIL MAP - 01715536.86r



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

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone



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SITE NAME: PFC JOE E. MANN USARC  
 ADDRESS: N. 4415 MARKET ST  
 SPOKANE WA 99207  
 LAT/LONG: 47.6978 / 117.3650

CLIENT: FMSM Engineers  
 CONTACT: Robert Newman  
 INQUIRY #: 01715536.86r  
 DATE: July 14, 2006

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	1	NR	1
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	2	1	NR	NR	3
CORRACTS		1.000	0	0	0	1	NR	1
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	3	NR	NR	NR	3
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	1	NR	1
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
CSCSL		1.000	0	1	3	1	NR	5
HSL		1.000	0	0	0	0	NR	0
CSCSL NFA		0.500	0	1	0	NR	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	0	1	NR	NR	1
UST	X	0.250	0	2	NR	NR	NR	2
AST		0.250	0	0	NR	NR	NR	0
MANIFEST	X	0.250	0	1	NR	NR	NR	1
SPILLS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ICR		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CDL		TP	NR	NR	NR	NR	NR	0
WA Emissions		TP	NR	NR	NR	NR	NR	0
INACTIVE DRYCLEANERS		0.250	0	0	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

**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  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A1**            **USARMY RESERVE CENTER MANN HALL**  
**Target**        **4415 N MARKET ST**  
**Property**      **SPOKANE, WA 99207**

**FINDS**        **1007078201**  
**110015548861**

**Site 1 of 3 in cluster A**

**Actual:**  
**2037 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

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

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

**A2**            **USARMY RESERVE CENTER MANN HALL**  
**Target**        **4415 N MARKET ST**  
**Property**      **SPOKANE, WA 99207**

**RCRA-SQG**    **1007265391**  
**MANIFEST**    **WAH000020156**

**Site 2 of 3 in cluster A**

**Actual:**  
**2037 ft.**

**RCRAInfo:**

Owner:            70TH REGIONAL SUPPORT COMMAND  
 (206) 281-3142  
 EPA ID:            WAH000020156  
 Contact:          DEBRA WINTERTON  
 206281-3142

Classification:    Conditionally Exempt Small Quantity Generator  
 TSDF Activities:   Not reported

Violation Status: No violations found

**WA MANIFEST:**

Facility Site ID Number:        5136813  
 Permit by Rule:                    False  
 Treatment by Generator:        False  
 Mixed radioactive waste:        False  
 Importer of hazardous waste:   False  
 Immediate recycler:              False  
 Treatment/Storage/Disposal/Recycling Facility:    False  
 Generator of dangerous fuel waste:                    False  
 Generator marketing to burner:                        False  
 "Other marketers (i.e., blender, distributor, etc.)":   False  
 Utility boiler burner:                                    False  
 Industry boiler burner:                                  False  
 Industrial Furnace:                                      False  
 Smelter deferral:                                        False  
 Universal waste - batteries - generate:                False  
 Universal waste - thermostats - generate:            False  
 Universal waste - mercury - generate:                False  
 Universal waste - lamps - generate:                    False  
 Universal waste - batteries - accumulate:            False  
 Universal waste - thermostats - accumulate:        False  
 Universal waste - mercury - accumulate:            False  
 Universal waste - lamps - accumulate:                False  
 Destination Facility for Universal Waste:            False

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**USARMY RESERVE CENTER MANN HALL (Continued)**

**1007265391**

Off-specification used oil burner - utility boiler: False  
Off-specification used oil burner - industrial boiler: False  
Off-specification used oil burner - industrial furnace: False  
EPA ID: WAH000020156  
Facility Address 2: Not reported  
TAX REG NBR: NA  
NAICS CD: 92811  
BUSINESS TYPE: Army Reserve Center  
MAIL NAME: USARMY Reserve Center Mann Hall  
MAIL ADDR LINE1: 4415 N MARKET ST  
MAIL CITY,ST,ZIP: SPOKANE, WA 99207  
MAIL COUNTRY: UNITED STATES  
LEGAL ORG NAME: USAR 70th Regional Readiness Command  
LEGAL ORG TYPE: Federal  
LEGAL ADDR LINE1: 4570 TEXAS WAY W  
LEGAL CITY,ST,ZIP: SEATTLE, WA 98199-1015  
LEGAL COUNTRY: UNITED STATES  
LEGAL PHONE NBR: 2062813142  
LEGAL EFFECTIVE DATE: 09/01/96  
LAND ORG NAME: USAR 70th Regional Readiness Command  
LAND ORG TYPE: Federal  
LAND PERSON NAME: Not reported  
LAND ADDR LINE1: 4570 TEXAS WAY WEST  
LAND CITY,ST,ZIP: SEATTLE, WA 98199-1015  
LAND COUNTRY: UNITED STATES  
LAND PHONE NBR: 2062813142  
OPERATOR ORG NAME: US Army Reserve Center MannHall  
OPERATOR ORG TYPE: Federal  
OPERATOR ADDR LINE1: 4415 N Market St  
OPERATOR CITY,ST,ZIP: Spokane, WA 99207  
OPERATOR COUNTRY: UNITED STATES  
OPERATOR PHONE NBR: 509-483-6441  
OPERATOR EFFECTIVE DATE: 09/01/96  
SITE CONTACT NAME: Debra Winterton  
SITE CONTACT ADDR LINE1: 4570 TEXAS WAY WEST  
SITE CONTACT ZIP: SEATTLE, WA 98199-1015  
SITE CONTACT COUNTRY: UNITED STATES  
SITE CONTACT PHONE NBR: 206281-3142  
SITE CONTACT EMAIL: Not reported  
FORM CONTACT NAME: Debra Winterton  
FORM CONTACT ADDR LINE1: 4570 TEXAS WAY WEST  
FORM CONTACT CITY,ST,ZIP: SEATTLE, WA 98199-1015  
FORM CONTACT COUNTRY: UNITED STATES  
FORM CONTACT PHONE NBR: 206281-3142  
FORM CONTACT EMAIL: Not reported  
GEN STATUS CD: SQG  
MONTHLY GENERATION: False  
BATCH GENERATION: True  
ONE TIME GENERATION: False  
TRANSPORTS OWN WASTE: False  
TRANSPORTS OTHRS WASTE: False  
RECYCLER ONSITE: False  
TRANSFER FACILITY: False  
OTHER EXEMPTION: Not reported  
UW BATTERY GEN: False  
USED OIL TRANSPORTER: False  
USED OIL TRANSFER FACILITY: False

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EPA ID Number

EDR ID Number  
EPA ID Number

**USARMY RESERVE CENTER MANN HALL (Continued)**

**1007265391**

USED OIL PROCESSOR: False  
USED OIL REREFINER: False  
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False  
USED OIL FUEL MRKTR MEETS SPECS: False

**A3** **SPOKANE USARC - MANN HALL**  
**Target** **4415 N MARKET ST**  
**Property** **SPOKANE, WA 99207**

**LUST** **U003105332**  
**UST** **N/A**

**Site 3 of 3 in cluster A**

**Actual:**  
**2037 ft.**

**LUST:**  
Facility ID: 8729  
Facility Status: Cleanup Started  
Release ID: 3663  
Release Notification Date: 7/6/1992 00:00:00  
Release Status Date: 7/6/1992 00:00:00  
Alternate Name: U.S. ARMY RESERVE CENTER  
Lat/Lon: 47.69801775 / -117.3663789  
Affected Media: Soil  
FS ID: 5136813  
Site Response Code Unit: EA

Facility ID: 8729  
Facility Status: Reported Cleaned Up  
Release ID: 3663  
Release Notification Date: 7/6/1992 00:00:00  
Release Status Date: 7/6/1992 00:00:00  
Alternate Name: U.S. ARMY RESERVE CENTER  
Lat/Lon: 47.69801775 / -117.3663789  
Affected Media: Soil  
FS ID: 5136813  
Site Response Code Unit: EA

**UST:**  
Facility ID: 5136813  
Site ID: 8729  
Install Date: 1/1/1961 00:00:00  
Capacity: 2,001 to 4,999 Gallons  
Status: Removed  
Tank Name: 1  
Substance: Heating Fuel  
Compartment #: 1  
Tank ID: 3118  
Comartment ID: 3170  
Decimal Latitude: 47.69802  
Decimal Longitude: -117.36638  
Ecology Region: EA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SPOKANE USARC - MANN HALL (Continued)**

**U003105332**

Facility ID: 5136813  
Site ID: 8729  
Install Date: 1/1/1973 00:00:00  
Capacity: Not reported  
Status: Removed  
Tank Name: 2  
Substance: Used Oil/Waste Oil  
Compartment #: 1  
Tank ID: 3193  
Comartment ID: 3247  
Decimal Latitude: 47.69802  
Decimal Longitude: -117.36638  
Ecology Region: EA

**4**  
**South**  
**1/8-1/4**  
**770 ft.**

**VERN E ZIEGLER/ZIEGLER LUMBER**  
**4220 N MARKET STREET**  
**SPOKANE, WA 99207**

**UST U000591227**  
**N/A**

**Relative:**  
**Lower**

UST:

**Actual:**  
**2035 ft.**

Facility ID: 69122266  
Site ID: 6608  
Install Date: 6/14/1985 00:00:00  
Capacity: Not reported  
Status: Removed  
Tank Name: 3  
Substance: Leaded Gasoline  
Compartment #: 1  
Tank ID: 32361  
Comartment ID: 32828  
Decimal Latitude: 47.69611  
Decimal Longitude: -117.36601  
Ecology Region: EA

Facility ID: 69122266  
Site ID: 6608  
Install Date: 12/31/1964 00:00:00  
Capacity: 111 TO 1,100 Gallons  
Status: Removed  
Tank Name: 1  
Substance: Leaded Gasoline  
Compartment #: 1  
Tank ID: 32425  
Comartment ID: 32895  
Decimal Latitude: 47.69611  
Decimal Longitude: -117.36601  
Ecology Region: EA

Facility ID: 69122266  
Site ID: 6608  
Install Date: 12/31/1964 00:00:00  
Capacity: 111 TO 1,100 Gallons  
Status: Removed  
Tank Name: 2  
Substance: Leaded Gasoline  
Compartment #: 1  
Tank ID: 32621  
Comartment ID: 33092

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**VERN E ZIEGLER/ZIEGLER LUMBER (Continued)**

EDR ID Number  
 EPA ID Number

**U000591227**

Decimal Latitude: 47.69611  
 Decimal Longitude: -117.36601  
 Ecology Region: EA

**5  
 SW  
 1/8-1/4  
 981 ft.**

**SPOKANE SCH DIST SKILLS CENTER  
 4141 N REGAL  
 SPOKANE, WA 99207**

**RCRA-SQG 1005445374  
 FINDS WAH000016444  
 MANIFEST**

**Relative:  
 Higher**

RCRAInfo:  
 Owner: SPOKANE SCH DIST  
 (509)353-4380

**Actual:  
 2039 ft.**

EPA ID: WAH000016444  
 Contact: LARRY HAGEL  
 509353-5274

Classification: Conditionally Exempt Small Quantity Generator  
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: WAC173-303-515(6)(a)(i)  
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
 Date Violation Determined: 04/29/2004  
 Actual Date Achieved Compliance: 05/03/2004

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 05/25/2004  
 Penalty Type: Not reported

Regulation Violated: WAC173-303-515(6)  
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
 Date Violation Determined: 04/29/2004  
 Actual Date Achieved Compliance: 05/03/2004

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 05/25/2004  
 Penalty Type: Not reported

Regulation Violated: WAC173-303-522(2)(a)  
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
 Date Violation Determined: 04/29/2004  
 Actual Date Achieved Compliance: 05/03/2004

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 05/25/2004  
 Penalty Type: Not reported

Regulation Violated: WAC173-303-070(3)  
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
 Date Violation Determined: 04/29/2004  
 Actual Date Achieved Compliance: 01/10/2005

Enforcement Action: WRITTEN INFORMAL  
 Enforcement Action Date: 05/25/2004  
 Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20040503
	GENERATOR-GENERAL REQUIREMENTS	20040503
	GENERATOR-GENERAL REQUIREMENTS	20040503

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SPOKANE SCH DIST SKILLS CENTER (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

GENERATOR-GENERAL REQUIREMENTS

**1005445374**  
 20050110

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

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

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**WA MANIFEST:**

Facility Site ID Number:	64458151	
Permit by Rule:	False	
Treatment by Generator:	False	
Mixed radioactive waste:	False	
Importer of hazardous waste:	False	
Immediate recycler:	False	
Treatment/Storage/Disposal/Recycling Facility:	False	
Generator of dangerous fuel waste:	False	
Generator marketing to burner:	False	
"Other marketers (i.e., blender, distributor, etc.)":	False	
Utility boiler burner:	False	
Industry boiler burner:	False	
Industrial Furnace:	False	
Smelter deferral:	False	
Universal waste - batteries - generate:	False	
Universal waste - thermostats - generate:	False	
Universal waste - mercury - generate:	False	
Universal waste - lamps - generate:	False	
Universal waste - batteries - accumulate:	False	
Universal waste - thermostats - accumulate:	False	
Universal waste - mercury - accumulate:	False	
Universal waste - lamps - accumulate:	False	
Destination Facility for Universal Waste:	False	
Off-specification used oil burner - utility boiler:	False	
Off-specification used oil burner - industrial boiler:	False	
Off-specification used oil burner - industrial furnace:	False	
EPA ID:	WAH000016444	
Facility Address 2:	Not reported	
TAX REG NBR:	328005738	
NAICS CD:	61111	
BUSINESS TYPE:	Not reported	
MAIL NAME:	Spokane Sch Dist	
MAIL ADDR LINE1:	200 N Bernard St	
MAIL CITY,ST,ZIP:	SPOKANE, WA 99201-0282	
MAIL COUNTRY:	UNITED STATES	
LEGAL ORG NAME:	Spokane Sch Dist	
LEGAL ORG TYPE:	State	
LEGAL ADDR LINE1:	200 N Bernard St	
LEGAL CITY,ST,ZIP:	SPOKANE, WA 99201-0282	
LEGAL COUNTRY:	UNITED STATES	
LEGAL PHONE NBR:	(509)353-4380	
LEGAL EFFECTIVE DATE:	10/17/01	

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**SPOKANE SCH DIST SKILLS CENTER (Continued)**

**1005445374**

LAND ORG NAME: Spokane Sch Dist  
 LAND ORG TYPE: State  
 LAND PERSON NAME: Not reported  
 LAND ADDR LINE1: 200 N Bernard St  
 LAND CITY,ST,ZIP: SPOKANE, WA 99201-0282  
 LAND COUNTRY: UNITED STATES  
 LAND PHONE NBR: (509)353-4380  
 OPERATOR ORG NAME: Not reported  
 OPERATOR ORG TYPE: State  
 OPERATOR ADDR LINE1: 2815 E GARLAND  
 OPERATOR CITY,ST,ZIP: SPOKANE, WA 99207  
 OPERATOR COUNTRY: UNITED STATES  
 OPERATOR PHONE NBR: 509-354-7163  
 OPERATOR EFFECTIVE DATE: / /  
 SITE CONTACT NAME: Larry Hagel  
 SITE CONTACT ADDR LINE1: 2525 N. Cincinnati  
 SITE CONTACT ZIP: SPOKANE, WA 99207  
 SITE CONTACT COUNTRY: UNITED STATES  
 SITE CONTACT PHONE NBR: 509 353-5274  
 SITE CONTACT EMAIL: larryha@spokaneschools.org  
 FORM CONTACT NAME: Larry Hagel  
 FORM CONTACT ADDR LINE1: 2525 N. Cincinnati  
 FORM CONTACT CITY,ST,ZIP: SPOKANE, WA 99207  
 FORM CONTACT COUNTRY: UNITED STATES  
 FORM CONTACT PHONE NBR: 509 353-5274  
 FORM CONTACT EMAIL: larryha@spokaneschools.org  
 GEN STATUS CD: SQG  
 MONTHLY GENERATION: False  
 BATCH GENERATION: False  
 ONE TIME GENERATION: False  
 TRANSPORTS OWN WASTE: False  
 TRANSPORTS OTHRS WASTE: False  
 RECYCLER ONSITE: False  
 TRANSFER FACILITY: False  
 OTHER EXEMPTION: Not reported  
 UW BATTERY GEN: False  
 USED OIL TRANSPORTER: False  
 USED OIL TRANSFER FACILITY: False  
 USED OIL PROCESSOR: False  
 USED OIL REREFINER: False  
 USED OIL FUEL MRKTR DIRECTS SHPMNTS: False  
 USED OIL FUEL MRKTR MEETS SPECS: False

**6**  
**NNE**  
**1/8-1/4**  
**1005 ft.**

**BNSF RAILWAY BLACK TANK PROPERTY**  
**3202 E WELLESLEY**  
**SPOKANE, WA 99207**

**CSCSL S104780225**  
**N/A**

**Relative:**  
**Lower**

**SHWS:**

**Actual:**  
**2034 ft.**

Facility ID: 98615712  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.70043158 / -117.3645255  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action  
 Independent Site Status - those sites undergoing an independent cleanup:  
 Independent Site Assessment of Interim Remedial Action Report received

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**BNSF RAILWAY BLACK TANK PROPERTY (Continued)**

**S104780225**

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Ground Water	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:		Not reported
Halogenated Organic Compounds:		Not reported
EPA Priority Pollutants - Metals and Cyanide:		Not reported
Metals - Other non-priority pollutant medals:		Not reported
Polychlorinated biPhenyls (PCBs):		Not reported
Pesticides:		Not reported
Petroleum Products:		Suspected to be present
Phenolic Compounds:		Not reported
Non-Halogenated Solvents:		Not reported
Dioxin:		Not reported
Polynuclear Aromatic Hydrocarbons (PAH):		Suspected to be present
Reactive Wastes:		Not reported
Corrosive Wastes:		Not reported
Radioactive Wastes:		Not reported
Asbestos:		Not reported
Conventional Contaminants, Organic:		Not reported
Conventional Contaminants, Inorganic:		Not reported
Lat/Long :	47° 42' 1" / 117° 21' 52"	
Media Id :		7909
Media Type Description :		Suspected
Media Status Description :		Groundwater
Tibutyl Tin Contaminant Group :		Not reported
Bioassay/benthic Failures Contam group :		Not reported
Wood Debris Contaminant Group :		Not reported
Other Deleterious Substance Group :		Not reported

Facility ID: 98615712  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.70043158 / -117.3645255  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:  
 Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media :	Soil	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:		Not reported
Halogenated Organic Compounds:		Not reported
EPA Priority Pollutants - Metals and Cyanide:		Not reported
Metals - Other non-priority pollutant medals:		Not reported
Polychlorinated biPhenyls (PCBs):		Not reported
Pesticides:		Not reported
Petroleum Products:		Confirmed above MTCA cleanup levels
Phenolic Compounds:		Not reported
Non-Halogenated Solvents:		Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**BNSF RAILWAY BLACK TANK PROPERTY (Continued)**

**S104780225**

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 42' 1" / 117° 21' 52"
Media Id :	6951
Media Type Description :	Confirmed
Media Status Description :	Soil
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

**7**  
**NNW**  
**1/8-1/4**  
**1030 ft.**

**T. K. QWIK STOP**  
**3021 E WELLESLEY AVE**  
**SPOKANE, WA 99207**

**UST U003027058**  
**N/A**

**Relative:**  
**Higher**

**UST:**

Facility ID:	39822389
Site ID:	4601
Install Date:	6/1/1973 00:00:00
Capacity:	5,000 to 9,999 Gallons
Status:	Operational
Tank Name:	U
Substance:	Unleaded Gasoline
Compartment #:	1
Tank ID:	26986
Comartment ID:	27352
Decimal Latitude:	47.70030
Decimal Longitude:	-117.36710
Ecology Region:	EA

**Actual:**  
**2039 ft.**

Facility ID:	39822389
Site ID:	4601
Install Date:	6/5/1989 00:00:00
Capacity:	5,000 to 9,999 Gallons
Status:	Operational
Tank Name:	P
Substance:	Unleaded Gasoline
Compartment #:	1
Tank ID:	27068
Comartment ID:	27436
Decimal Latitude:	47.70030
Decimal Longitude:	-117.36710
Ecology Region:	EA

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**T. K. QWIK STOP (Continued)**

**U003027058**

Facility ID: 39822389  
 Site ID: 4601  
 Install Date: 6/1/1973 00:00:00  
 Capacity: 10,000 to 19,999 Gallons  
 Status: Operational  
 Tank Name: R  
 Substance: Leaded Gasoline  
 Compartment #: 1  
 Tank ID: 27139  
 Comartment ID: 27507  
 Decimal Latitude: 47.70030  
 Decimal Longitude: -117.36710  
 Ecology Region: EA

**8**  
**NNE**  
**1/8-1/4**  
**1077 ft.**

**ALUMINUM RECYCLING CORP**  
**E 3412 WELLESLEY**  
**SPOKANE, WA 99207**

**CERC-NFRAP 1000300351**  
**WAD043005651**

**Relative:**  
**Lower**

CERCLIS-NFRAP Classification Data:  
 Federal Facility: Not a Federal Facility  
 Non NPL Code: NFRAP

**Actual:**  
**2034 ft.**

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 12/01/1979
Assessment: PRELIMINARY ASSESSMENT	Completed: 07/03/1986
Assessment: SITE INSPECTION	Completed: 09/13/1988
Assessment: SITE REASSESSMENT	Completed: 09/18/2000
Assessment: ARCHIVE SITE	Completed: 12/01/2005

CERCLIS-NFRAP Alias Name(s):  
 HILLYARD PROCESSING

**B9**  
**South**  
**1/8-1/4**  
**1312 ft.**

**UNION CARBIDE LINDE DIV**  
**4020 N MARKET ST**  
**SPOKANE, WA 99207**

**RCRA-SQG 1000336486**  
**FINDS WAD027521483**  
**CERC-NFRAP**  
**CSCSL NFA**

**Site 1 of 2 in cluster B**

**Relative:**  
**Lower**

CERCLIS-NFRAP Classification Data:  
 Federal Facility: Not a Federal Facility  
 Non NPL Code: NFRAP  
 NPL Status: Not on the NPL

**Actual:**  
**2034 ft.**

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 11/01/1979
Assessment: PRELIMINARY ASSESSMENT	Completed: 08/27/1985
Assessment: ARCHIVE SITE	Completed: 08/27/1985

CERCLIS-NFRAP Alias Name(s):  
 LINDE DIVISION

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**UNION CARBIDE LINDE DIV (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000336486**

RCRAInfo:  
 Owner: UNION CARBIDE CORP  
 EPA ID: WAD027521483  
 Contact: JACK GRIFFITH  
 (509) 489-1810  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.  
 WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

WA NFA:  
 Facility/Site Id : 652  
 Ecology Status : Awaiting Site Hazard Assessment  
 Independent Status Code : Not reported  
 WARM Bin Number : Not reported  
 NFA Code : Cleanup under priority authority  
 NFA Date : 8/9/1989 00:00:00  
 Program Plan Code : Not reported

**B10**  
**South**  
**1/8-1/4**  
**1312 ft.**

**OXARC INCORPORATED**  
**4020 N. MARKET ST.**  
**SPOKANE, WA 99207**

**RCRA-SQG 1000435999**  
**FINDS WAD980977136**

**Site 2 of 2 in cluster B**

**Relative:**  
**Lower**

**Actual:**  
**2034 ft.**

RCRAInfo:  
 Owner: NORWECO INC  
 EPA ID: WAD980977136  
 Contact: GREGORY WALMSLEY  
 (509) 535-7794  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**FINDS:**

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

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**OXARC INCORPORATED (Continued)**

**1000435999**

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

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

**11**  
**East**  
**1/4-1/2**  
**1364 ft.**

**KOCH MATERIALS COMPANY**  
**4327 N THOR ST**  
**SPOKANE, WA 99217**

**RCRA-SQG** **1001491438**  
**CSCSL** **WA0001006139**  
**FINDS**  
**MANIFEST**

**Relative:**  
**Higher**

RCRAInfo:  
 Owner: KOCH MATERIALS CO  
 (316)828-5500  
 EPA ID: WA0001006139  
 Contact: Not reported  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**Actual:**  
**2041 ft.**

**FINDS:**

**Other Pertinent Environmental Activity Identified at Site:**

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

PCS (Permit Compliance System) 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.

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

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

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

**SHWS:**

Facility ID: 16655424  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.690936000000001 / -117.361949  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action  
 Independent Site Status - those sites undergoing an independent cleanup:  
 Release report received, awaiting assessment by Potentially Liable Person (PLP)

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**KOCH MATERIALS COMPANY (Continued)**

**1001491438**

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
 Arsenic Code: Not reported  
 Base/Neutral/Acid Organics: Not reported  
 Halogenated Organic Compounds: Not reported  
 EPA Priority Pollutants - Metals and Cyanide: Not reported  
 Metals - Other non-priority pollutant medals: Not reported  
 Polychlorinated biPhenyls (PCBs): Not reported  
 Pesticides: Not reported  
 Petroleum Products: Confirmed above MTCA cleanup levels  
 Phenolic Compounds: Not reported  
 Non-Halogenated Solvents: Not reported  
 Dioxin: Not reported  
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
 Reactive Wastes: Not reported  
 Corrosive Wastes: Not reported  
 Radioactive Wastes: Not reported  
 Asbestos: Not reported  
 Conventional Contaminants, Organic: Not reported  
 Conventional Contaminants, Inorganic: Not reported  
 Lat/Long : 47° 41' 27.37000000000001" / 117° 21' 43.00999999999998"  
 Media Id : 1158  
 Media Type Description : Confirmed  
 Media Status Description : Soil  
 Tributyl Tin Contaminant Group : Not reported  
 Bioassay/benthic Failures Contam group : Not reported  
 Wood Debris Contaminant Group : Not reported  
 Other Deleterious Substance Group : Not reported

Facility ID: 16655424  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.690936000000001 / -117.361949  
 Responsible Unit: Eastern Region

Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action  
 Independent Site Status - those sites undergoing an independent cleanup:  
 Release report received, awaiting assessment by Potentially Liable Person (PLP)

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water  
 Arsenic Code: Not reported  
 Base/Neutral/Acid Organics: Not reported  
 Halogenated Organic Compounds: Not reported  
 EPA Priority Pollutants - Metals and Cyanide: Not reported  
 Metals - Other non-priority pollutant medals: Not reported  
 Polychlorinated biPhenyls (PCBs): Not reported  
 Pesticides: Not reported  
 Petroleum Products: Suspected to be present  
 Phenolic Compounds: Not reported  
 Non-Halogenated Solvents: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**KOCH MATERIALS COMPANY (Continued)**

**1001491438**

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 41' 27.37000000000001" / 117° 21' 43.009999999999998"
Media Id :	1159
Media Type Description :	Suspected
Media Status Description :	Groundwater
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

**WA MANIFEST:**

Facility Site ID Number:	16655424
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WA0001006139
Facility Address 2:	Not reported
TAX REG NBR:	601153656
NAICS CD:	324121
BUSINESS TYPE:	Asphalt Manufacturing
MAIL NAME:	Koch Materials COMPANY
MAIL ADDR LINE1:	PO Box 6226
MAIL ADDR LINE2:	Hillyard Station
MAIL CITY,ST,ZIP:	SPOKANE, WA 99217
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Koch Materials Co
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO Box 2338
LEGAL CITY,ST,ZIP:	WICHITA, KS 67201

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**KOCH MATERIALS COMPANY (Continued)**

**1001491438**

LEGAL COUNTRY: UNITED STATES  
LEGAL PHONE NBR: (316)828-5500  
LEGAL EFFECTIVE DATE: 04/29/85  
LAND ORG NAME: Burlington Northern Santa Fe Railroad  
LAND ORG TYPE: Private  
LAND PERSON NAME: Not reported  
LAND ADDR LINE1: 999 3rd Ave Ste 2120  
LAND ADDR LINE2: Catellus Mgmt CO  
LAND CITY,ST,ZIP: SEATTLE, WA 98104-4037  
LAND COUNTRY: UNITED STATES  
LAND PHONE NBR: (206)749-9590  
OPERATOR ORG NAME: Not reported  
OPERATOR ORG TYPE: Private  
OPERATOR ADDR LINE1: PO Box 6227  
OPERATOR ADDR LINE2: Hillyard Station  
OPERATOR CITY,ST,ZIP: SPOKANE, WA 99207-0904  
OPERATOR COUNTRY: UNITED STATES  
OPERATOR PHONE NBR: (509)487-4560  
OPERATOR EFFECTIVE DATE: 04/29/85  
SITE CONTACT NAME: Scott Blubaugh  
SITE CONTACT ADDR LINE1: PO Box 6226  
SITE CONTACT ZIP: SPOKANE, WA 99217  
SITE CONTACT COUNTRY: UNITED STATES  
SITE CONTACT PHONE NBR: (509)487-4560  
SITE CONTACT EMAIL: blubaugS@kochind.com  
FORM CONTACT NAME: Scott Blubaugh  
FORM CONTACT ADDR LINE1: PO Box 6226  
FORM CONTACT CITY,ST,ZIP: SPOKANE, WA 99217  
FORM CONTACT COUNTRY: UNITED STATES  
FORM CONTACT PHONE NBR: (509)487-4560  
FORM CONTACT EMAIL: blubaugS@kochind.com  
GEN STATUS CD: XQG  
MONTHLY GENERATION: False  
BATCH GENERATION: False  
ONE TIME GENERATION: False  
TRANSPORTS OWN WASTE: False  
TRANSPORTS OTHRS WASTE: False  
RECYCLER ONSITE: False  
TRANSFER FACILITY: False  
OTHER EXEMPTION: Not reported  
UW BATTERY GEN: False  
USED OIL TRANSPORTER: False  
USED OIL TRANSFER FACILITY: False  
USED OIL PROCESSOR: False  
USED OIL REREFINER: False  
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False  
USED OIL FUEL MRKTR MEETS SPECS: False

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**12**  
**East**  
**1/4-1/2**  
**1875 ft.**

**BN SF RR BUNKER C SPILL AREA**  
**FREYA / E LONGFELLOW**  
**SPOKANE, WA 99207**

**CSCSL S102554784**  
**N/A**

**Relative:**  
**Lower**

SHWS:

Facility ID: 20894  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.698250790000003 / -117.35748959999999  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
     Ranked, Awaiting Remedial Action (RA)  
 Independent Site Status - those sites undergoing an independent cleanup:  
     Not reported

**Actual:**  
**2035 ft.**

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site  
 Affected Media : Ground Water  
 Arsenic Code: Not reported  
 Base/Neutral/Acid Organics: Not reported  
 Halogenated Organic Compounds: Not reported  
 EPA Priority Pollutants - Metals and Cyanide: Not reported  
 Metals - Other non-priority pollutant medals: Not reported  
 Polychlorinated biPhenyls (PCBs): Not reported  
 Pesticides: Not reported  
 Petroleum Products: Suspected to be present  
 Phenolic Compounds: Not reported  
 Non-Halogenated Solvents: Not reported  
 Dioxin: Not reported  
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
 Reactive Wastes: Not reported  
 Corrosive Wastes: Not reported  
 Radioactive Wastes: Not reported  
 Asbestos: Not reported  
 Conventional Contaminants, Organic: Not reported  
 Conventional Contaminants, Inorganic: Not reported  
 Lat/Long : 47° 41' 53" / 117° 21' 26"  
 Media Id : 5450  
 Media Type Description : Suspected  
 Media Status Description : Groundwater  
 Tributyl Tin Contaminant Group : Not reported  
 Bioassay/benthic Failures Contam group : Not reported  
 Wood Debris Contaminant Group : Not reported  
 Other Deleterious Substance Group : Not reported

Facility ID: 20894  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.698250790000003 / -117.35748959999999  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
     Ranked, Awaiting Remedial Action (RA)  
 Independent Site Status - those sites undergoing an independent cleanup:  
     Not reported  
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**BN SF RR BUNKER C SPILL AREA (Continued)**

**S102554784**

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 41' 53" / 117° 21' 26"

Media Id : 5119

Media Type Description : Confirmed

Media Status Description : Soil

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

13  
 SW  
 1/4-1/2  
 1889 ft.

**SPOKANE SCHOOL DISTRICT #81**  
**2815 E GARLAND**  
**SPOKANE, WA 99207**

**LUST U001127331**  
**UST N/A**

**Relative:  
 Lower**

LUST:

Facility ID: 12681  
 Facility Status: Awaiting Cleanup  
 Release ID: 448421  
 Release Notification Date: 2/19/1998 00:00:00  
 Release Status Date: 2/19/1998 00:00:00  
 Alternate Name: Not reported  
 Lat/Lon: 47.69488437 / -117.3731014  
 Affected Media: Soil  
 FS ID: 23579836  
 Site Response Code Unit: EA

**Actual:  
 2035 ft.**

Facility ID: 12681  
 Facility Status: Reported Cleaned Up  
 Release ID: 448421  
 Release Notification Date: 2/19/1998 00:00:00  
 Release Status Date: 3/30/1998 00:00:00  
 Alternate Name: Not reported  
 Lat/Lon: 47.69488437 / -117.3731014  
 Affected Media: Soil  
 FS ID: 23579836  
 Site Response Code Unit: EA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SPOKANE SCHOOL DISTRICT #81 (Continued)

U001127331

UST:

Facility ID: 23579836  
Site ID: 12681  
Install Date: 4/18/1978 00:00:00  
Capacity: 10,000 to 19,999 Gallons  
Status: Removed  
Tank Name: #1  
Substance: Leaded Gasoline  
Compartment #: 1  
Tank ID: 12936  
Comartment ID: 13136  
Decimal Latitude: 47.69488  
Decimal Longitude: -117.37310  
Ecology Region: EA

Facility ID: 23579836  
Site ID: 12681  
Install Date: 4/18/1978 00:00:00  
Capacity: 5,000 to 9,999 Gallons  
Status: Removed  
Tank Name: #2  
Substance: Unleaded Gasoline  
Compartment #: 1  
Tank ID: 13066  
Comartment ID: 13267  
Decimal Latitude: 47.69488  
Decimal Longitude: -117.37310  
Ecology Region: EA

Facility ID: 23579836  
Site ID: 12681  
Install Date: 3/1/1998 00:00:00  
Capacity: 5,000 to 9,999 Gallons  
Status: Operational  
Tank Name: A  
Substance: Unleaded Gasoline  
Compartment #: 1  
Tank ID: 476331  
Comartment ID: 476419  
Decimal Latitude: 47.69488  
Decimal Longitude: -117.37310  
Ecology Region: EA

Facility ID: 23579836  
Site ID: 12681  
Install Date: 3/1/1998 00:00:00  
Capacity: 5,000 to 9,999 Gallons  
Status: Operational  
Tank Name: A  
Substance: Diesel  
Compartment #: 2  
Tank ID: 476331  
Comartment ID: 476420  
Decimal Latitude: 47.69488  
Decimal Longitude: -117.37310  
Ecology Region: EA

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SPOKANE SCHOOL DISTRICT #81 (Continued)**

EDR ID Number  
 EPA ID Number

**U001127331**

Facility ID: 23579836  
 Site ID: 12681  
 Install Date: 12/31/1964 00:00:00  
 Capacity: Not reported  
 Status: Exempt  
 Tank Name: GARLAND  
 Substance: Heating Fuel  
 Compartment #: 1  
 Tank ID: 7797  
 Comartment ID: 7935  
 Decimal Latitude: 47.69488  
 Decimal Longitude: -117.37310  
 Ecology Region: EA

**14  
 North  
 1/4-1/2  
 2286 ft.**

**BURLINGTON NORTHERN HILLYD  
 3205 E QUEEN  
 SPOKANE, WA 99207**

**RCRA-SQG 1000285957  
 CSCSL WAD000812883  
 FINDS  
 CERC-NFRAP**

**Relative:  
 Lower**

CERCLIS-NFRAP Classification Data:  
 Federal Facility: Not a Federal Facility  
 Non NPL Code: NFRAP

**Actual:  
 2034 ft.**

NPL Status: Not on the NPL  
 CERCLIS-NFRAP Assessment History:  
 Assessment: DISCOVERY Completed: 05/01/1981  
 Assessment: PRELIMINARY ASSESSMENT Completed: 12/16/1985  
 Assessment: ARCHIVE SITE Completed: 12/16/1985

RCRAInfo:  
 Owner: BURLINGTON NORTHERN & SANTA FE RAILWAY  
 EPA ID: WAD000812883  
 Contact: BRUCE SHEPPARD  
 (206) 467-3382  
 Classification: Small Quantity Generator  
 TSDF Activities: Not reported  
 Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.  
 WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

**SHWS:**

Facility ID: 639  
 MTBE Code: Not reported  
 Prog plan code : Not reported  
 UXO Code : Not reported  
 Lat/Long : 47.704202019999997 / -117.3638266  
 Responsible Unit: Eastern Region

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**BURLINGTON NORTHERN HILLYD (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000285957**

Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action  
 Independent Site Status - those sites undergoing an independent cleanup:  
 Independent Site Assessment of Interim Remedial Action Report received  
 WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
 Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
 Arsenic Code: Not reported  
 Base/Neutral/Acid Organics: Not reported  
 Halogenated Organic Compounds: Not reported  
 EPA Priority Pollutants - Metals and Cyanide: Not reported  
 Metals - Other non-priority pollutant metals: Not reported  
 Polychlorinated biPhenyls (PCBs): Not reported  
 Pesticides: Not reported  
 Petroleum Products: Confirmed above MTCA cleanup levels  
 Phenolic Compounds: Not reported  
 Non-Halogenated Solvents: Not reported  
 Dioxin: Not reported  
 Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
 Reactive Wastes: Not reported  
 Corrosive Wastes: Not reported  
 Radioactive Wastes: Not reported  
 Asbestos: Not reported  
 Conventional Contaminants, Organic: Not reported  
 Conventional Contaminants, Inorganic: Not reported  
 Lat/Long : 47° 42' 15" / 117° 21' 49"  
 Media Id : 1071  
 Media Type Description : Confirmed  
 Media Status Description : Soil  
 Tributyl Tin Contaminant Group : Not reported  
 Bioassay/benthic Failures Contam group : Not reported  
 Wood Debris Contaminant Group : Not reported  
 Other Deleterious Substance Group : Not reported

15  
 NE  
 1/2-1  
 3649 ft.

**WASHINGTON CHEMICAL INC**  
**E 3828 QUEEN AVE**  
**SPOKANE, WA 99207**

**RCRA-SQG 1000474540**  
**FINDS WAD037991528**  
**RAATS**  
**CORRACTS**  
**CERC-NFRAP**

**Relative:**  
**Lower**

CERCLIS-NFRAP Classification Data:  
 Federal Facility: Not a Federal Facility  
 Non NPL Code: DR  
 NPL Status: Not on the NPL

**Actual:**  
**2034 ft.**

CERCLIS-NFRAP Assessment History:  
 Assessment: DISCOVERY Completed: 03/12/1991  
 Assessment: PRELIMINARY ASSESSMENT Completed: 06/29/1993  
 Assessment: ARCHIVE SITE Completed: 06/29/1993

CORRACTS Data:

EPA Id: WAD037991528  
 Region: 10  
 Area Name: ENTIRE FACILITY  
 Actual Date: 03/19/1993  
 Corrective Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

WASHINGTON CHEMICAL INC (Continued)

1000474540

2002 NAICS Title: Other Chemical and Allied Products Merchant Wholesalers  
42269  
42272  
514199

EPA Id: WAD037991528  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 08/15/1991  
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

2002 NAICS Title: Other Chemical and Allied Products Merchant Wholesalers  
42269  
42272  
514199

EPA Id: WAD037991528  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 10/05/1992  
Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

2002 NAICS Title: Other Chemical and Allied Products Merchant Wholesalers  
42269  
42272  
514199

EPA Id: WAD037991528  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 11/12/1991  
Corrective Action: CA225IN - Stabilization Measures Evaluation, This facility is not , amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available

2002 NAICS Title: Other Chemical and Allied Products Merchant Wholesalers  
42269  
42272  
514199

EPA Id: WAD037991528  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 12/31/1993  
Corrective Action: CA999NF - Corrective Action Process Terminated, No Further Action

2002 NAICS Title: Other Chemical and Allied Products Merchant Wholesalers  
42269  
42272  
514199

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

WASHINGTON CHEMICAL INC (Continued)

1000474540

RCRAInfo Corrective Action Summary:

- Event: Corrective Action Process Terminated, No Further Action  
Event Date: 12/31/1993
- Event: CA Prioritization, Facility or area was assigned a high corrective action priority.  
Event Date: 03/19/1993
- Event: RFA Determination Of Need For An RFI, RFI is Necessary;  
Event Date: 10/05/1992
- Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.  
Event Date: 11/12/1991
- Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.  
Event Date: 08/15/1991

RCRAInfo:

Owner: WASHINGTON CHEMICAL INC  
(509) 483-1658  
EPA ID: WAD037991528  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

- Regulation Violated: WAC 173-303-830  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty
- Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/18/1985  
Penalty Type: Proposed Monetary Penalty
- Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 06/30/1985  
Penalty Type: Proposed Monetary Penalty
- Regulation Violated: -340(3), -630(5)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 10/04/1991  
Penalty Type: Proposed Monetary Penalty
- Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 03/13/1992  
Penalty Type: Proposed Monetary Penalty

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

WASHINGTON CHEMICAL INC (Continued)

1000474540

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 07/12/1994  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -630(3)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 10/04/1991  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/01/1987  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -395(1)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -380  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 10/04/1991  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/01/1987  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -070(3)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 10/04/1991  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 03/13/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

WASHINGTON CHEMICAL INC (Continued)

1000474540

Enforcement Action Date: 07/12/1994  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/01/1987  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -380(2)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -395(4)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 06/19/1989  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -620(3)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 04/12/1990  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -630(5)  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -630(3)  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty

Regulation Violated: -145(2)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

WASHINGTON CHEMICAL INC (Continued)

1000474540

Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty  
Regulation Violated: -390  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty  
Regulation Violated: -380(3)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 04/12/1990  
Penalty Type: Proposed Monetary Penalty  
Regulation Violated: -630(8)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/31/1992  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 06/19/1989  
Penalty Type: Proposed Monetary Penalty  
Regulation Violated: 270.1 (262.34)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 10/28/1991  
Actual Date Achieved Compliance: 06/16/1998  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 10/04/1991  
Penalty Type: Proposed Monetary Penalty  
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 03/13/1992  
Penalty Type: Proposed Monetary Penalty  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 07/12/1994  
Penalty Type: Proposed Monetary Penalty  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 01/31/1992  
Penalty Type: Proposed Monetary Penalty  
Regulation Violated: 270.1

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**WASHINGTON CHEMICAL INC (Continued)**

**1000474540**

<p>Area of Violation:          Date Violation Determined:          Actual Date Achieved Compliance:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Regulation Violated:          Area of Violation:          Date Violation Determined:          Actual Date Achieved Compliance:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Regulation Violated:          Area of Violation:          Date Violation Determined:          Actual Date Achieved Compliance:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Enforcement Action:          Enforcement Action Date:          Penalty Type:</p> <p>Regulation Violated:          Area of Violation:          Date Violation Determined:          Actual Date Achieved Compliance:</p> <p>Enforcement Action:          Enforcement Action Date:</p>	<p>TSD-GENERAL STANDARDS          10/28/1991          06/16/1998</p> <p>EPA TO STATE ADMINISTRATIVE REFERRAL          10/04/1991          Proposed Monetary Penalty</p> <p>INITIAL 3008(A) COMPLIANCE ORDER          03/13/1992          Proposed Monetary Penalty</p> <p>FINAL 3008(A) COMPLIANCE ORDER          07/12/1994          Proposed Monetary Penalty</p> <p>FINAL 3008(A) COMPLIANCE ORDER          01/31/1992          Proposed Monetary Penalty</p> <p>WRITTEN INFORMAL          09/01/1987          Proposed Monetary Penalty</p> <p>Not reported          TSD-GENERAL STANDARDS          10/04/1991          06/16/1998</p> <p>EPA TO STATE ADMINISTRATIVE REFERRAL          10/04/1991          Proposed Monetary Penalty</p> <p>FINAL 3008(A) COMPLIANCE ORDER          01/31/1992          Proposed Monetary Penalty</p> <p>WRITTEN INFORMAL          09/01/1987          Proposed Monetary Penalty</p> <p>Not reported          TSD-GENERAL STANDARDS          10/04/1991          06/16/1998</p> <p>EPA TO STATE ADMINISTRATIVE REFERRAL          10/04/1991          Proposed Monetary Penalty</p> <p>FINAL 3008(A) COMPLIANCE ORDER          01/31/1992          Proposed Monetary Penalty</p> <p>WRITTEN INFORMAL          09/01/1987          Proposed Monetary Penalty</p> <p>Not reported          TSD-LAND BAN REQUIREMENTS          06/27/1988          03/29/1989</p> <p>FINAL 3008(A) COMPLIANCE ORDER          01/31/1992</p>
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Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**WASHINGTON CHEMICAL INC (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000474540**

Penalty Type: Proposed Monetary Penalty  
 Regulation Violated: 330  
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
 Date Violation Determined: 05/28/1985  
 Actual Date Achieved Compliance: 06/16/1998  
 Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
 Enforcement Action Date: 01/31/1992  
 Penalty Type: Proposed Monetary Penalty  
 Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
 Enforcement Action Date: 01/18/1985  
 Penalty Type: Proposed Monetary Penalty  
 Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
 Enforcement Action Date: 06/30/1985  
 Penalty Type: Proposed Monetary Penalty

**Penalty Summary:**

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	7/12/1994	3000	EPA
Proposed Monetary Penalty	3/13/1992	626425	EPA
Proposed Monetary Penalty	1/31/1992	429000	STATE

There are 21 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616
	TSD-CONTAINERS REQUIREMENTS	19980616
TSD-CONTAINERS REQUIREMENTS	19980616	
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	19980616
	TSD-GENERAL STANDARDS	19980616
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616
	TSD-GENERAL STANDARDS	19980616

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Site	Database(s)	EDR ID Number EPA ID Number
<b>WASHINGTON CHEMICAL INC (Continued)</b>		<b>1000474540</b>
	TSD-GENERAL STANDARDS	19980616
	TSD-CONTAINERS REQUIREMENTS	19980616
	TSD-CONTAINERS REQUIREMENTS	19980616
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616
	TSD-GENERAL STANDARDS	19980616
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616
	TSD-GENERAL STANDARDS	19980616
Other Evaluation	TSD-LAND BAN REQUIREMENTS	19890329
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616
	TSD-GENERAL STANDARDS	19980616
	TSD-GENERAL STANDARDS	19980616
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19980616
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19980616

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

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

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

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

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

<b>16</b>	<b>SPOKANE JUNKYARD/ASSOCIATED PROPERTIES</b>	<b>CERCLIS</b>	<b>1000267936</b>
<b>SSW</b>	<b>N 3322 COOK ST.</b>	<b>FINDS</b>	<b>WAD981767296</b>
<b>1/2-1</b>	<b>SPOKANE, WA 99207</b>	<b>CONSENT</b>	
<b>4312 ft.</b>		<b>Delisted NPL</b>	
		<b>CSCSL NFA</b>	
<b>Relative:</b>	<b>CERCLIS Classification Data:</b>		
<b>Lower</b>	Federal Facility: Not a Federal Facility		
	Non NPL Status: Not reported		
<b>Actual:</b>	NPL Status: Deleted from the Final NPL		
<b>2002 ft.</b>	Contact: KEVIN ROCHLIN	Contact Tel: (206) 553-2106	
	Contact Title: Not reported		
	Site Description: FIRE:CORGLIANO SITE,7/15/87.JNKYRD W/HAZ MTRIALS-MILITARY SRPLUS & SCRAP.FIRE HAD SML EXLSNS,LRG FIREBALL-5 FIREMEN HSPITALIZED.SEVERAL HUNDRD DRUMS & SML CNTNERS & SEVRAL BLDGS W/UNKNOWN CONTENTS.RMVL ACTION DUE TO EMERGENCYFIRE:CORGLIANO SITE,7/15 /87.JNKYRD W/HAZ MTRIALS-MILITARY SRPLUS & SCRAP.FIRE HAD SML EXLSNS,LRG FIREBALL-5 FIREMEN HSPITALIZED.SEVERAL HUNDRD DRUMS & SML CNTNERS & SEVRAL BLDGS		

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SPOKANE JUNKYARD/ASSOCIATED PROPERTIES (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**1000267936**

W/UNKNOWN CONTENTS.RMVL ACTION DUE TO EMERGENCY

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	07/16/1987
Assessment:	PRELIMINARY ASSESSMENT	Completed:	01/20/1989
Assessment:	SITE INSPECTION	Completed:	01/20/1989
Assessment:	REMOVAL	Completed:	08/26/1989
Assessment:	HRS PACKAGE	Completed:	02/28/1992
Assessment:	NON-NPL PRP SEARCH	Completed:	07/29/1992
Assessment:	PROPOSAL TO NPL	Completed:	10/14/1992
Assessment:	REMOVAL ASSESSMENT	Completed:	12/08/1993
Assessment:	FINAL LISTING ON NPL	Completed:	05/31/1994
Assessment:	ADMIN ORDER ON CONSENT	Completed:	06/30/1995
Assessment:	COMBINED RI/FS	Completed:	06/30/1995
Assessment:	SECTION 107 LITIGATION	Completed:	10/30/1995
Assessment:	ENGINEERING EVAL/COST ANALYSIS	Completed:	08/15/1996
Assessment:	PRP REMOVAL	Completed:	07/14/1997
Assessment:	PRP RI/FS	Completed:	07/14/1997
Assessment:	DELETION FROM NPL	Completed:	09/23/1997
Assessment:	ORDER (GENERIC)	Completed:	07/24/1998
Assessment:	COMFORT/STATUS LETTER	Completed:	10/08/1998
Assessment:	Lodged By DOJ	Completed:	07/26/2000
Assessment:	CONSENT DECREE	Completed:	09/08/2000
Assessment:	FIVE YEAR REVIEW	Completed:	09/21/2001
Assessment:	READY-FOR-REUSE EVALUATION CHECKLIST	Completed:	03/22/2004

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

- CORIGLIAND SITE
- SPOKANE METALS
- SPOKANE JUNK YARD
- SPOKANE JUNKYARD/ASSOCIATED PROPERTIES

Delisted NPL:

EPA ID: WAD981767296  
 Region: 10  
 Federal: General  
 Deleted Date: 09/23/1997

Site Details:

Site Name: SPOKANE JUNKYARD/ASSOCIATED PROPERTIES  
 Site Status: Deleted  
 Status Date: 09/23/1997  
 Site City: SPOKANE  
 Site State: WA  
 Federal Site: Not a Federal Facility  
 HRS Score: 50.00  
 GW Score: 100.00  
 SW Score: 0.00  
 Air Score: Not reported  
 Soil Score: Not reported  
 DC Score: Not reported  
 FE Score: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**SPOKANE JUNKYARD/ASSOCIATED PROPERTIES (Continued)**

**1000267936**

Substance Details:

Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	A003
CAS #:	Not reported
Substance:	ANTIMONY AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	A038
CAS #:	Not reported
Substance:	NICKEL AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	A046
CAS #:	1336-36-3
Substance:	POLYCHLORINATED BIPHENYLS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	C151
CAS #:	Not reported
Substance:	IRON AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	C247
CAS #:	Not reported
Substance:	ZINC AND COMPOUNDS
Pathway:	NO PATHWAY INDICATED
Scoring:	1
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	C460
CAS #:	7439-97-6
Substance:	MERCURY
Pathway:	GROUND WATER PATHWAY
Scoring:	3
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	D006
CAS #:	7440-43-9
Substance:	CADMIUM (CD)
Pathway:	GROUND WATER PATHWAY
Scoring:	3
Site ID:	Not reported
NPL Status:	Deleted from the Final NPL
Substance ID:	D007
CAS #:	7440-47-3

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

**SPOKANE JUNKYARD/ASSOCIATED PROPERTIES (Continued)**

**1000267936**

Substance: CHROMIUM  
Pathway: NO PATHWAY INDICATED  
Scoring: 1  
Site ID: Not reported  
NPL Status: Deleted from the Final NPL  
Substance ID: D008  
CAS #: 7439-92-1  
Substance: LEAD (PB)  
Pathway: NO PATHWAY INDICATED  
Scoring: 1  
Site ID: Not reported  
NPL Status: Deleted from the Final NPL  
Substance ID: Not reported  
CAS #: Not reported  
Substance: Not reported  
Pathway: Not reported  
Scoring: Not reported

Summary Details:

" The Spokane Junkyard/Associated Properties site covers 10.5 acres in a light commercial and residential area in Spokane, Spokane County, Washington. It is surrounded by single and multiple-family dwellings, as well as several private bus inesses and an elementary school. From the 1940s until 1983, the Spokane Junkyard accepted military surplus items, automobiles, heavy equipment, appliances, and electrical transformers. On July 15, 1987, an explosive fire consumed the Spokane Junkyard property. Adjacent to the junkyard is a property where Spokane Metals Co. recycled scrap metal, including transformers, from 1936 to 1983. The site also encompasses a residential lot and a vacant field owned by two individuals, and an undeveloped strip of land dedicated to public use. Following the 1987 fire, EPA used CERCLA emergency funds to transport 140 drums of hazardous liquids and solids (including PCB oils, flammable materials, corrosive materials, and chlorinated organic compounds) and 140 cubic yards of asbestos to regulated landfills. During 1987-89, EPA found elevated levels of heavy metals (including liquid mercury, cadmium, and lead) and PCBs in surface soils. An estimated 200,000 square feet of contaminated soil remain on-site. The site is currently fenced, but EPA has received reports of attempts at illegal access. The site lies above the Spokane Valley Aquifer, designated a Sole Source Aquifer under the Safe Drinking Water Act. Approximately 165,000 people obtain drinking water from public and private wells within 4 miles of the site. Wells within 4 miles are also used for irrigation. The wells are potentially threatened because water is shallow (40 feet in some cases) and soils are permeable, permitting soil contaminants (as deep as 3.5 feet in some cases) to reach ground water. (The description of the site (release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See FR 5600, February 11, 1991 or subsequent FR notices.)"

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SPOKANE JUNKYARD/ASSOCIATED PROPERTIES (Continued)**

EDR ID Number  
 EPA ID Number

**1000267936**

Site Status Details:

NPL Status: Deleted  
 Proposed Date: 10/14/1992  
 Final Date: 05/31/1994  
 Deleted Date: 09/23/1997

CONSENT:

Full-text of a consent decree on this site issued by a United States District Court is available from EDR.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

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

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

WA NFA:

Facility/Site Id : 125  
 Ecology Status : RA and all activities completed, No Monitoring  
 Independent Status Code : Not reported  
 WARM Bin Number : 0  
 NFA Code : Removed from HSL  
 NFA Date : 8/19/1997 00:00:00  
 Program Plan Code : Not reported

17  
 NE  
 1/2-1  
 4521 ft.

**SICILIA TRUCKING  
 N 5523 JULIA  
 SPOKANE, WA 99207**

**CSCSL S104159092  
 N/A**

Relative:  
 Lower

SHWS:

Facility ID: 691  
 MTBE Code: Not reported  
 Prog plan code : 3  
 UXO Code : Not reported  
 Lat/Long : 47.708125279999997 / -117.3542061  
 Responsible Unit: Eastern Region  
 Ecology Site Status relative to the MTCA cleanup process:  
 Independent Remedial Action

Actual:  
 2029 ft.

Independent Site Status - those sites undergoing an independent cleanup:  
 Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**SICILIA TRUCKING (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

Site

**S104159092**

	petroleum contamination)	
Affected Media :	Soil	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:	Not reported	
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels	
EPA Priority Pollutants - Metals and Cyanide:	Not reported	
Metals - Other non-priority pollutant medals:	Not reported	
Polychlorinated biPhenyls (PCBs):	Not reported	
Pesticides:	Not reported	
Petroleum Products:	Confirmed above MTCA cleanup levels	
Phenolic Compounds:	Not reported	
Non-Halogenated Solvents:	Not reported	
Dioxin:	Not reported	
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported	
Reactive Wastes:	Not reported	
Corrosive Wastes:	Not reported	
Radioactive Wastes:	Not reported	
Asbestos:	Not reported	
Conventional Contaminants, Organic:	Not reported	
Conventional Contaminants, Inorganic:	Not reported	
Lat/Long :	47° 42' 29" / 117° 21' 15"	
Media Id :	1147	
Media Type Description :	Confirmed	
Media Status Description :	Soil	
Tibutyl Tin Contaminant Group :	Not reported	
Bioassay/benthic Failures Contam group :	Not reported	
Wood Debris Contaminant Group :	Not reported	
Other Deleterious Substance Group :	Not reported	

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SPOKANE	1001114289	WA DOT PARCEL 603853	SR 2 MP 290.1	99207	RCRA-SQG, FINDS
SPOKANE	S105831703	BNSF HILLYARD LEAD SOIL SITE	4800 TO 5300 BLOCK N FERRALL ST	99207	CSCSL
SPOKANE	1003880328	DRAPER TRACTOR PARTS	N 8525 FREYA	99207	CERC-NFRAP
SPOKANE	2005709106	3901 E BROADWAY AVE	3901 E BROADWAY AVE		HMIRS
SPOKANE	1001600558	MARKET ST DRUM	FRANCIS ST & MARKET ST	99207	RCRA-SQG, FINDS
SPOKANE	U004040846	A TO Z RENTALS & SALES INC	8000 N MARKET STREET	99217	UST
SPOKANE	U004041017	THE PLANT	4020 N MARKET STREET	99207	UST
SPOKANE	1000403245	WESTERN FRUIT EXPRESS SHOP	E MARKET ST N OF FRANCIS	99207	RCRA-SQG, FINDS, CERC-NFRAP, CSCSL NFA
SPOKANE	S105430865	NORTH MARKET ST BN	MARKET / LINCOLN	99207	CSCSL
SPOKANE	S105454617	BURLINGTON NORTHERN RAILROAD	ONE QUARTER MILE E. OF WELLESLEY AVE. / MARKET S	99207	ICR
SPOKANE	1001490987	E JOSEPH N JULIA ST	50 FT S OF E JOSEPH ON N JULIA	99207	RCRA-SQG, FINDS
SPOKANE	S105613449	SEMMATERIALS LP - HILLYARD	4327 N THOR STREET	99207	CSCSL
SPOKANE	1007265239	ALUMINUM RECYCLING CORP	3412 E WELLESLEY	99207	RCRA-SQG

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **FEDERAL RECORDS**

### **NPL: National Priority List**

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

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 8  
Telephone: 303-312-6774

EPA Region 4  
Telephone 404-562-8033

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

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

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **NPL RECOVERY: 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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

## **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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **HMIRS:** Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

## **US ENG CONTROLS:** Engineering Controls Sites List

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

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **US INST CONTROL:** Sites with Institutional Controls

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

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

## **FUDS:** Formerly Used Defense Sites

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

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **US BROWNFIELDS:** A Listing of Brownfields Sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

### **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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Varies

### **ROD:** Records Of Decision

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

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

### **UMTRA:** Uranium Mill Tailings Sites

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

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

### **ODI:** Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

## **TSCA:** Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Every 4 Years

## **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **SSTS:** Section 7 Tracking Systems

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

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

## **MLTS:** Material Licensing Tracking System

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

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

## **MINES:** Mines Master Index File

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

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

## **FINDS:** Facility Index System/Facility Registry System

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

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

## **RAATS:** RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/30/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Biennially

## STATE AND LOCAL RECORDS

### **CSCSL:** Confirmed & Suspected Contaminated Sites List

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

Date of Government Version: 05/11/2006  
Date Data Arrived at EDR: 05/16/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 42

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 05/16/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Semi-Annually

### **HSL:** Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/22/2006  
Date Data Arrived at EDR: 03/27/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 17

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 06/06/2006  
Next Scheduled EDR Contact: 09/04/2006  
Data Release Frequency: Semi-Annually

### **CSCSL NFA:** Confirmed & Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 05/11/2006  
Date Data Arrived at EDR: 05/16/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 42

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 05/16/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Semi-Annually

### **SWF/LF:** Solid Waste Facility Database

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

Date of Government Version: 10/01/2004  
Date Data Arrived at EDR: 01/06/2005  
Date Made Active in Reports: 02/02/2005  
Number of Days to Update: 27

Source: Department of Ecology  
Telephone: 360-407-6132  
Last EDR Contact: 07/07/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Annually

### **SWTIRE:** Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005  
Date Data Arrived at EDR: 03/16/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 28

Source: Department of Ecology  
Telephone: N/A  
Last EDR Contact: 07/07/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **LUST:** Leaking Underground Storage Tanks Site List

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

Date of Government Version: 03/08/2006	Source: Department of Ecology
Date Data Arrived at EDR: 03/16/2006	Telephone: 360-407-7200
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Quarterly

## **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: 04/27/2006	Source: Department of Ecology
Date Data Arrived at EDR: 04/28/2006	Telephone: 360-407-7170
Date Made Active in Reports: 06/05/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Quarterly

## **AST:** Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 12/13/2005	Source: Department of Ecology
Date Data Arrived at EDR: 12/14/2005	Telephone: 360-407-7562
Date Made Active in Reports: 01/16/2006	Last EDR Contact: 05/30/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Varies

## **MANIFEST:** Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2004	Source: Department of Ecology
Date Data Arrived at EDR: 04/24/2006	Telephone: N/A
Date Made Active in Reports: 05/31/2006	Last EDR Contact: 05/15/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/14/2006
	Data Release Frequency: Annually

## **SPILLS:** Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 03/29/2006	Source: Department of Ecology
Date Data Arrived at EDR: 04/13/2006	Telephone: 360-407-7450
Date Made Active in Reports: 05/31/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Semi-Annually

## **INST CONTROL:** Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 06/06/2006	Source: Department of Ecology
Date Data Arrived at EDR: 06/06/2006	Telephone: 360-407-7170
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 06/05/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Varies

## **VCP:** Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/11/2006  
Date Data Arrived at EDR: 05/16/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 42

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 05/16/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Varies

## **ICR:** Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002  
Date Data Arrived at EDR: 01/03/2003  
Date Made Active in Reports: 01/22/2003  
Number of Days to Update: 19

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: No Update Planned

## **DRYCLEANERS:** Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 01/12/2006  
Date Data Arrived at EDR: 03/23/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 21

Source: Department of Ecology  
Telephone: 360-407-6732  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Varies

## **CDL:** Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 05/23/2006  
Date Data Arrived at EDR: 06/07/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 20

Source: Department of Health  
Telephone: 360-236-3380  
Last EDR Contact: 06/07/2006  
Next Scheduled EDR Contact: 09/04/2006  
Data Release Frequency: Varies

## **EMI:** Washington Emissions Data System

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 03/16/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 28

Source: Department of Ecology  
Telephone: 360-407-6040  
Last EDR Contact: 04/11/2006  
Next Scheduled EDR Contact: 07/17/2006  
Data Release Frequency: Annually

## **INACTIVE DRYCLEANERS:** Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 01/12/2006  
Date Data Arrived at EDR: 03/23/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 21

Source: Department of Ecology  
Telephone: 360-407-6732  
Last EDR Contact: 05/15/2006  
Next Scheduled EDR Contact: 08/14/2006  
Data Release Frequency: Annually

## **TRIBAL RECORDS**

### **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 02/08/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 177

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 05/12/2006  
Next Scheduled EDR Contact: 08/07/2006  
Data Release Frequency: Semi-Annually

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

Date of Government Version: 03/14/2006  
Date Data Arrived at EDR: 03/21/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 23

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 05/23/2006  
Next Scheduled EDR Contact: 08/21/2006  
Data Release Frequency: Varies

**INDIAN UST:** Underground Storage Tanks on Indian Land

Date of Government Version: 04/05/2006  
Date Data Arrived at EDR: 04/05/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 8

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 05/23/2006  
Next Scheduled EDR Contact: 08/21/2006  
Data Release Frequency: Varies

**EDR PROPRIETARY RECORDS**

**Manufactured Gas Plants:** EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**EDR Historical Auto Stations:** EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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 Historical Cleaners:** EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## COUNTY RECORDS

### **KING COUNTY:**

#### **Abandoned Landfill Study in King County**

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985  
Date Data Arrived at EDR: 11/07/1994  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 10/21/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **KITSAP COUNTY:**

#### **Water Wells in Kitsap County**

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: 0

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: N/A

### **SEATTLE COUNTY:**

#### **Abandoned Landfill Study in the City of Seattle**

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984  
Date Data Arrived at EDR: 11/07/1994  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 10/21/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **SEATTLE/KING COUNTY:**

#### **Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project**

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986  
Date Data Arrived at EDR: 08/18/1995  
Date Made Active in Reports: 09/20/1995  
Number of Days to Update: 33

Source: Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 08/14/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **SNOHOMISH COUNTY:**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Sites of Record at Snohomish Health District

Date of Government Version: 01/26/2006	Source: Snohomish Health District
Date Data Arrived at EDR: 05/01/2006	Telephone: 206-339-5250
Date Made Active in Reports: 05/31/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Semi-Annually

## TACOMA/PIERCE COUNTY:

### Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002	Source: Tacoma-Pierce County Health Department
Date Data Arrived at EDR: 03/24/2003	Telephone: 206-591-6500
Date Made Active in Reports: 05/14/2003	Last EDR Contact: 03/19/2003
Number of Days to Update: 51	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## OTHER DATABASE(S)

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

### CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/04/2006	Telephone: N/A
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 05/02/2006  
Number of Days to Update: 46

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/11/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

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

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## **Nursing Homes**

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## **Public Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## **Private Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## **Daycare Centers: Daycare Center Listing**

Source: Department of Social & Health Services  
Telephone: 253-383-1735

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

## **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

PFC JOE E. MANN USARC  
N. 4415 MARKET ST  
SPOKANE, WA 99207

### TARGET PROPERTY COORDINATES

Latitude (North):	47.69780 - 47° 41' 52.1"
Longitude (West):	117.365 - 117° 21' 54.0"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	472613.2
UTM Y (Meters):	5282558.5
Elevation:	2037 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	47117-F3 SPOKANE NE, WA
Most Recent Revision:	1986
West Map:	47117-F4 SPOKANE NW, WA
Most Recent Revision:	1986

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

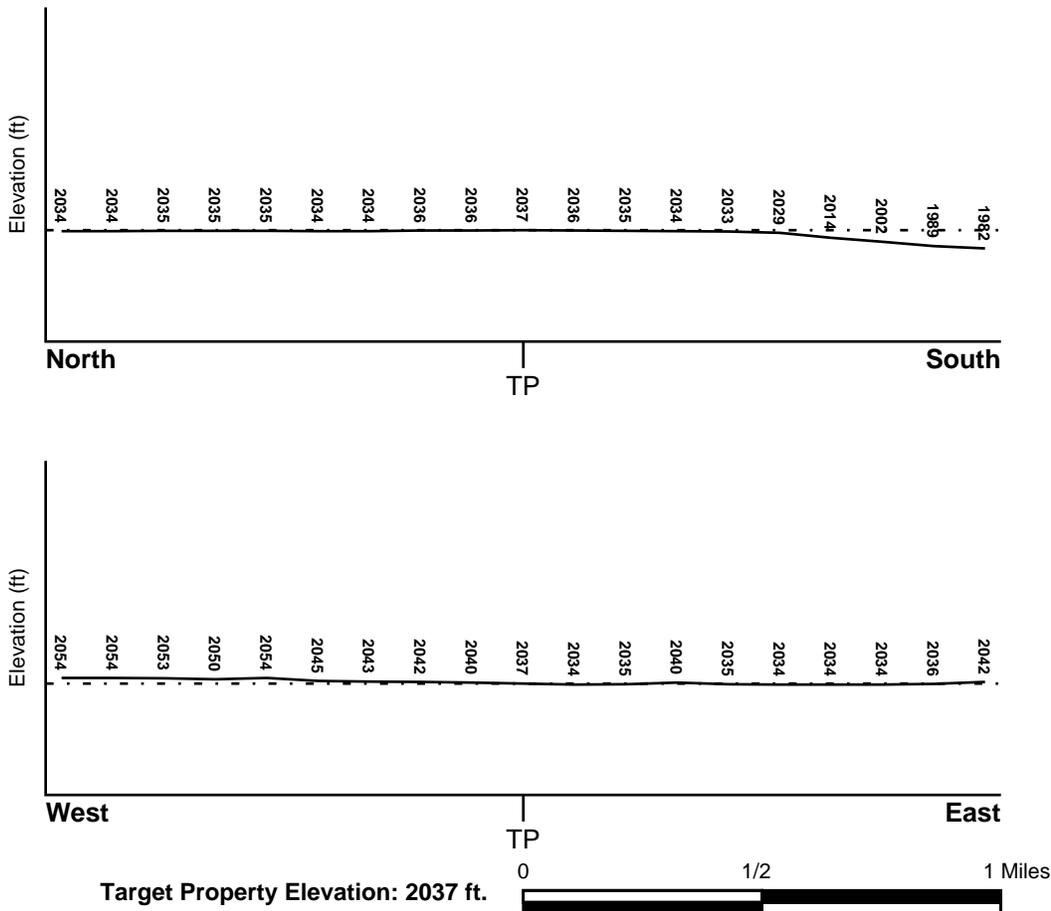
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

## 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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Target Property County</u> SPOKANE, WA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
--	--

Flood Plain Panel at Target Property: 5301830003B

Additional Panels in search area:  
5301740285C  
5301830007B  
5301830002B  
5301830008B  
5301830001B

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> SPOKANE NE	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	--

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Location Relative to TP:	1/8 - 1/4 Mile NNE
Site Name:	ALUMINUM RECYCLING CORP
Site EPA ID Number:	WAD043005651
Groundwater Flow Direction:	W AND SW, DOWN THE SPOKANE VALLEY
Inferred Depth to Water:	178 feet
Hydraulic Connection:	The uppermost aquifer at the site is located within unconsolidated sediments.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

## **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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SPOKANE

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 40 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	9 inches	17 inches	gravelly - coarse 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: 6.00 Min: 2.00	Max: 7.30 Min: 6.10
3	17 inches	25 inches	gravelly - coarse 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: 6.00 Min: 2.00	Max: 7.30 Min: 6.10
4	25 inches	29 inches	weathered bedrock	Not reported	Not reported	Max: 6.00 Min: 0.06	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: stony - loam  
silt loam  
unweathered bedrock

Surficial Soil Types: stony - loam  
silt loam  
unweathered bedrock

Shallow Soil Types: gravelly - loam  
loam  
silt loam

Deeper Soil Types: unweathered bedrock

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS3148177	1/4 - 1/2 Mile East
2	USGS3148090	1/4 - 1/2 Mile NNE
3	USGS3148255	1/4 - 1/2 Mile WSW
4	USGS3148256	1/2 - 1 Mile WSW
5	USGS3148326	1/2 - 1 Mile SSW
6	USGS3147992	1/2 - 1 Mile NNE
A8	USGS3148058	1/2 - 1 Mile WNW
A9	USGS3148059	1/2 - 1 Mile WNW
10	USGS3147877	1/2 - 1 Mile North
11	USGS3148176	1/2 - 1 Mile East

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

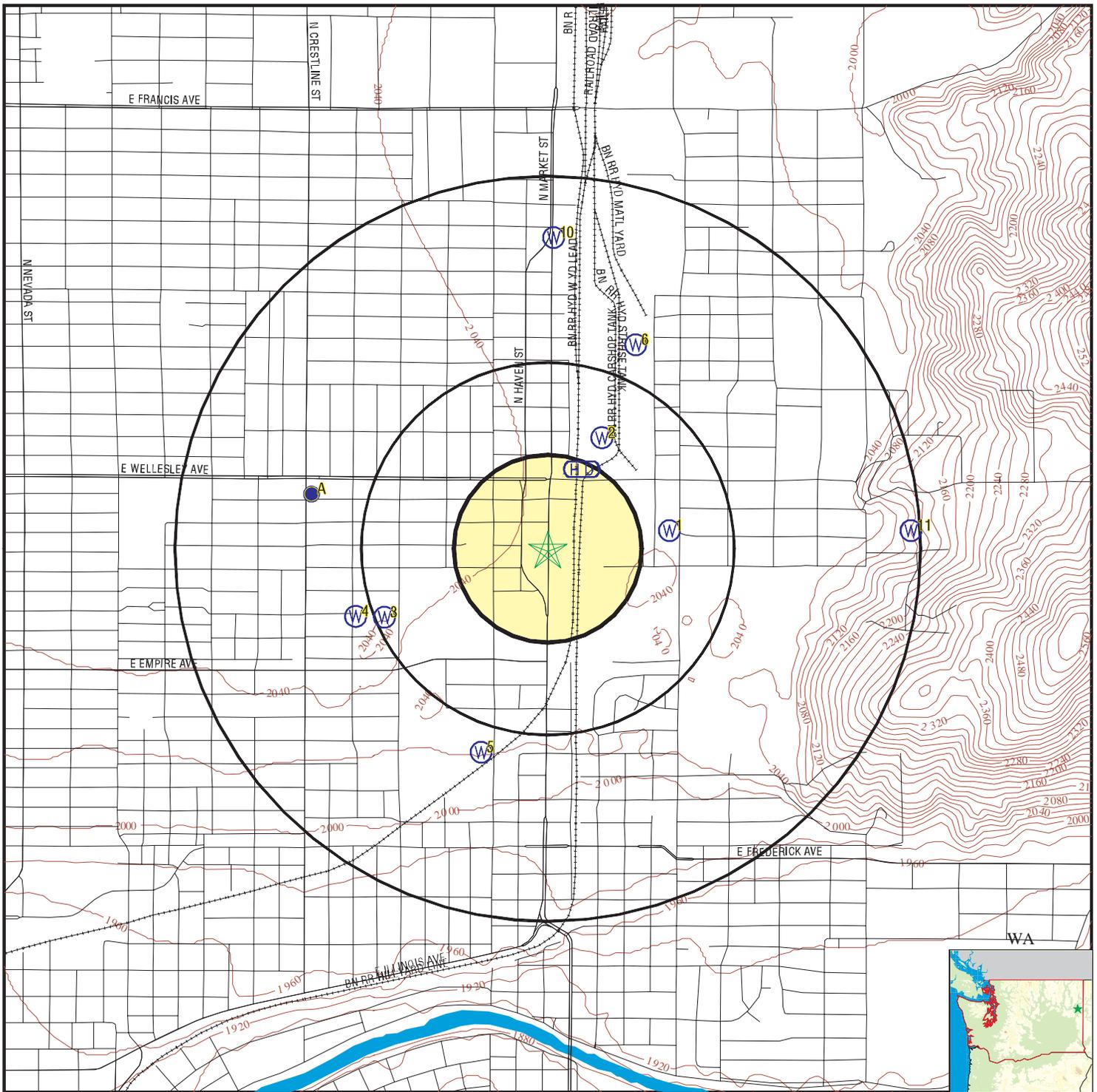
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A7	WAA1004995	1/2 - 1 Mile WNW

# PHYSICAL SETTING SOURCE MAP - 01715536.86r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: PFC JOE E. MANN USARC  
 ADDRESS: N. 4415 MARKET ST  
 SPOKANE WA 99207  
 LAT/LONG: 47.6978 / 117.3650

CLIENT: FMSM Engineers  
 CONTACT: Robert Newman  
 INQUIRY #: 01715536.86r  
 DATE: July 14, 2006

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS3148177**

Agency cd:	USGS	Site no:	474155117213201
Site name:	25N/43E-03C01		
Latitude:	474155		
Longitude:	1172125	Dec lat:	47.69850349
Dec lon:	-117.35799141	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	NE NW S03 T25N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2032	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Little Spokane. Idaho, Washington. Area = 723 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19550104
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	231	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Real time data flag:	0	Project number:	WA20000
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1955-01-04	Ground water data end date:	1978-05-10
Ground water data count:	6		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-05-10	177.28		1978-03-07	176.4	
1977-07-18	185.6		1977-05-16	177.4	
1977-03-09	183.15		1955-01-04	178	

**2**  
**NNE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3148090**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	474208117213901
Site name:	26N/43E-34P01		
Latitude:	474208		
Longitude:	1172139	Dec lat:	47.7021145
Dec lon:	-117.36188065	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	SE SW S34 T26N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2035.98	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Little Spokane. Idaho, Washington. Area = 723 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19280101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	210	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)	Project number:	WA20000
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1977-05-16
Water quality data end date:	1978-05-10	Water quality data count:	3
Ground water data begin date:	1928-01-01	Ground water data end date:	1953-04-24
Ground water data count:	564		

Ground-water levels, Number of Measurements: 564

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1953-04-24	175.07				
	Note: The site was being pumped.				
1951-12-12	171.11				
	Note: The site had been pumped recently.				
1951-08-21	177.75				
	Note: The site had been pumped recently.				
1951-06-19	172.92				
1950-12-14	176.10				
	Note: The site had been pumped recently.				
1949-06-25	173.00				
1949-05-22	175.62				
	Note: The site was being pumped.				
1948-10-25	171.90				
1948-04-09	176.0				
	Note: The site was being pumped.				
1947-10-31	178.92				
	Note: The site was being pumped.				
1947-07-21	177.34				
	Note: The site was being pumped.				
1947-03-04	175.55				
	Note: The site was being pumped.				
1946-08-16	177.42				
	Note: The site had been pumped recently.				
1946-04-09	174.86				
1945-10-05	179.85				
	Note: The site was being pumped.				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1945-06-13	174.85				
Note: The site was being pumped.					
1944-12-04	179.08				
1944-08-19	179.11				
Note: The site had been pumped recently.					
1944-03-27	179.39				
Note: The site was being pumped.					
1943-12-22	176.74		1943-10-09	179.21	
1943-08-12	177.67				
Note: The site was being pumped.					
1943-08-02	175.1		1943-07-26	174.7	
1943-07-03	172.3		1943-06-26	171.4	
1943-06-04	172.60				
Note: The site was being pumped.					
1943-05-28	170.9		1943-05-05	170.1	
1943-05-01	170.9		1943-04-23	173.3	
1943-04-10	175.3		1943-03-27	177.5	
1943-03-13	177.3		1943-02-27	177.3	
1943-02-06	177.3		1943-01-23	177.5	
1943-01-01	177.6		1942-12-29	177.6	
1942-12-03	177.9		1942-11-22	178.6	
1942-11-16	179.1		1942-11-09	178.9	
1942-10-26	178.8				
1942-10-06	179.88				
Note: The site was being pumped.					
1942-10-05	178.8		1942-09-28	179.1	
1942-09-05	179.6		1942-08-29	179.2	
1942-08-11	179.09				
Note: The site was being pumped.					
1942-08-01	177.0		1942-07-25	176.8	
1942-07-11	176.0		1942-07-03	175.6	
1942-06-06	174.6		1942-05-25	174.7	
1942-05-16	174.5		1942-04-28	174.2	
1942-04-21	174.7		1942-04-07	176.2	
1942-03-30	177.6		1942-03-07	176.2	
1942-02-14	176.2		1942-02-07	176.2	
1942-02-04	177.62				
Note: The site was being pumped.					
1942-01-31	176.2		1942-01-24	176.2	
1942-01-17	176.8		1942-01-10	177.8	
1942-01-02	177.8		1941-12-27	177.8	
1941-12-20	177.8		1941-12-06	177.8	
1941-12-03	178.90				
Note: The site was being pumped.					
1941-11-29	177.8		1941-11-21	178.1	
1941-11-11	178.2		1941-11-01	178.6	
1941-10-25	178.6		1941-10-18	178.6	
1941-10-11	178.6		1941-10-04	178.6	
1941-09-27	178.6		1941-09-20	178.6	
1941-09-13	178.5		1941-09-09	178.5	
1941-08-30	178.5		1941-08-22	178.5	
1941-08-15	178.4				
1941-08-06	179.36				
Note: The site was being pumped.					
1941-08-01	178.2		1941-07-26	177.7	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-07-19	177.7		1941-07-05	175.7	
1941-06-28	175.1		1941-06-14	175.7	
1941-06-06	176.93				
Note: The site was being pumped.					
1941-05-31	176.7		1941-05-24	176.7	
1941-05-19	176.7		1941-05-12	177.1	
1941-05-03	176.6		1941-04-26	176.6	
1941-04-18	176.6		1941-04-08	176.6	
1941-04-01	176.6		1941-03-15	176.6	
1941-03-05	175.6		1941-02-04	176.16	
1941-01-18	177.0		1940-12-31	177.0	
1940-12-14	177.2		1940-12-03	177.4	
1940-11-13	177.4		1940-11-09	177.4	
1940-10-26	177.4		1940-10-19	177.4	
1940-10-12	177.5		1940-10-05	177.5	
1940-09-21	177.5		1940-09-03	177.2	
1940-08-24	177.2		1940-08-17	177.2	
1940-08-12	177.0		1940-08-05	176.8	
1940-07-26	176.7		1940-07-19	176.4	
1940-07-12	176.1		1940-07-03	175.5	
1940-06-26	174.9		1940-06-14	173.96	
1940-06-01	172.7		1940-05-25	173.2	
1940-05-18	173.2		1940-05-07	172.4	
1940-04-30	173.4		1940-04-22	173.4	
1940-04-13	174.2		1940-03-29	175.2	
1940-03-23	174.2		1940-03-07	175.2	
1940-02-24	177.2		1940-02-07	177.2	
1940-01-27	178.2		1940-01-12	178.2	
1940-01-03	178.2		1939-12-22	179.2	
1939-12-08	179.26		1939-11-25	179.26	
1939-11-14	179.26		1939-11-02	179.26	
1939-10-24	178.76		1939-10-07	179.51	
1939-09-20	178.26		1939-09-09	178.26	
1939-08-26	178.26		1939-08-21	178.26	
1939-08-05	177.09		1939-07-22	177.26	
1939-07-15	176.76		1939-07-08	176.51	
1939-06-30	175.76		1939-06-14	174.76	
1939-06-05	173.76		1939-05-20	173.76	
1939-05-13	172.76		1939-05-06	173.51	
1939-04-22	171.76		1939-04-14	172.93	
1939-04-03	174.26		1939-03-27	176.26	
1939-03-04	175.76		1939-02-25	176.26	
1939-02-20	177.01		1939-02-13	176.26	
1939-02-02	176.26		1939-01-26	176.26	
1939-01-20	176.26		1939-01-11	176.51	
1939-01-03	176.51		1938-12-03	176.26	
1938-11-29	177.26		1938-11-19	176.93	
1938-11-14	176.93		1938-11-04	176.76	
1938-10-24	176.76		1938-10-05	176.76	
1938-10-01	176.59		1938-09-26	176.59	
1938-09-19	176.09		1938-09-03	176.26	
1938-08-29	176.26		1938-08-27	176.26	
1938-08-20	176.01		1938-08-13	174.76	
1938-08-06	174.51		1938-08-01	174.26	
1938-07-23	174.26		1938-07-16	173.93	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1938-07-09	173.43		1938-07-01	172.68	
1938-06-25	171.26		1938-06-18	170.84	
1938-06-11	170.59		1938-06-04	170.26	
1938-05-28	170.09		1938-05-21	170.01	
1938-05-14	169.76		1938-05-09	170.01	
1938-04-28	171.76		1938-04-19	172.76	
1938-04-09	172.76		1938-04-04	172.76	
1938-03-21	174.51				
1938-03-14	174.84				
Note: The site was being pumped.					
1938-03-07	174.76		1938-02-26	175.01	
1938-02-20	174.68		1938-02-12	174.68	
1938-02-05	173.76		1938-01-22	174.76	
1938-01-15	176.26				
Note: The site was being pumped.					
1938-01-08	176.18				
Note: The site was being pumped.					
1937-12-31	176.26				
Note: The site was being pumped.					
1937-12-24	176.76				
Note: The site was being pumped.					
1937-12-18	177.26				
Note: The site was being pumped.					
1937-12-11	177.76				
Note: The site was being pumped.					
1937-12-04	177.76				
Note: The site was being pumped.					
1937-11-27	178.43				
Note: The site was being pumped.					
1937-11-20	179.76				
Note: The site was being pumped.					
1937-11-13	179.26				
Note: The site was being pumped.					
1937-11-06	178.76				
Note: The site was being pumped.					
1937-10-29	178.26				
Note: The site was being pumped.					
1937-10-23	178.26				
Note: The site was being pumped.					
1937-10-17	178.01				
Note: The site was being pumped.					
1937-10-09	178.01				
Note: The site was being pumped.					
1937-10-02	177.76				
Note: The site was being pumped.					
1937-09-24	177.76				
Note: The site was being pumped.					
1937-09-14	177.76				
Note: The site was being pumped.					
1937-09-07	177.26				
Note: The site was being pumped.					
1937-08-28	177.26				
Note: The site was being pumped.					
1937-08-21	177.26				
Note: The site was being pumped.					

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1937-08-14	177.26	
Note: The site was being pumped.		
1937-08-07	176.93	
Note: The site was being pumped.		
1937-08-03	176.93	
Note: The site was being pumped.		
1937-07-31	176.68	
Note: The site was being pumped.		
1937-07-16	175.60	
Note: The site was being pumped.		
1937-06-30	174.26	
Note: The site was being pumped.		
1937-06-24	173.76	
Note: The site was being pumped.		
1937-06-19	173.26	
Note: The site was being pumped.		
1937-06-12	172.51	
Note: The site was being pumped.		
1937-06-05	172.09	
Note: The site was being pumped.		
1937-05-29	172.68	
Note: The site was being pumped.		
1937-05-24	172.43	
Note: The site was being pumped.		
1937-05-17	172.76	
Note: The site was being pumped.		
1937-05-10	173.76	
Note: The site was being pumped.		
1937-04-26	174.68	
Note: The site was being pumped.		
1937-04-20	175.43	
Note: The site was being pumped.		
1937-04-12	176.26	
Note: The site was being pumped.		
1937-04-07	177.68	
Note: The site was being pumped.		
1937-03-27	178.09	
Note: The site was being pumped.		
1937-03-20	178.59	
Note: The site was being pumped.		
1937-03-13	178.76	
Note: The site was being pumped.		
1937-03-05	179.51	
Note: The site was being pumped.		
1937-02-27	179.76	
Note: The site was being pumped.		
1937-02-20	179.76	
Note: The site was being pumped.		
1937-02-13	179.76	
Note: The site was being pumped.		
1937-02-09	179.68	
Note: The site was being pumped.		
1937-01-30	179.84	
Note: The site was being pumped.		
1937-01-23	179.76	
Note: The site was being pumped.		

Date	Feet below Surface	Feet to Sealevel
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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1936-06-20	172.76				
Note: The site was being pumped.					
1936-06-13	172.26				
Note: The site was being pumped.					
1936-06-08	171.26				
Note: The site was being pumped.					
1936-05-29	170.76				
Note: The site was being pumped.					
1936-05-23	170.68				
Note: The site was being pumped.					
1936-05-18	170.76				
Note: The site was being pumped.					
1936-05-09	171.76				
Note: The site was being pumped.					
1936-05-01	172.26		1936-04-23	172.76	
1936-04-11	174.01		1936-04-04	174.01	
1936-03-24	174.26		1936-03-16	175.18	
1936-03-07	175.76		1936-02-29	176.09	
1936-02-17	175.93		1936-02-10	175.76	
1936-01-31	175.84		1936-01-24	176.01	
1936-01-17	176.68		1936-01-10	176.59	
1936-01-03	175.93		1935-12-28	175.93	
1935-12-20	175.93		1935-12-14	175.59	
1935-12-06	175.59		1935-11-21	175.59	
1935-11-16	175.18		1935-11-07	175.09	
1935-10-24	174.93		1935-10-17	174.84	
1935-10-12	174.76		1935-10-05	174.68	
1935-09-27	174.59		1935-09-20	174.51	
1935-09-12	174.26		1935-09-05	173.84	
1935-08-24	173.84		1935-08-17	173.76	
1935-08-10	173.68		1935-08-05	173.59	
1935-07-27	172.76		1935-07-22	172.26	
1935-07-13	171.51		1935-07-06	170.76	
1935-06-29	170.01		1935-06-22	168.76	
1935-06-15	168.26		1935-06-06	167.84	
1935-05-29	167.76		1935-05-18	168.26	
1935-05-11	168.84		1935-05-03	169.76	
1935-04-27	170.76		1935-04-20	171.68	
1935-04-13	171.76		1935-04-06	171.93	
1935-03-30	172.18		1935-03-22	172.68	
1935-03-13	172.84		1935-03-06	172.76	
1935-02-27	172.84		1935-02-18	172.84	
1935-02-11	172.93		1935-02-05	173.18	
1935-01-22	173.74		1935-01-07	173.76	
1934-12-31	174.01		1934-12-21	174.18	
1934-12-15	174.18		1934-12-10	174.09	
1934-12-01	174.26		1934-11-20	174.43	
1934-11-10	175.09		1934-11-05	175.26	
1934-10-26	175.26		1934-10-15	175.18	
1934-10-08	175.09		1934-10-01	175.01	
1934-09-14	174.84		1934-09-09	174.93	
1934-08-31	174.51		1934-08-25	174.76	
1934-08-14	174.26		1934-08-07	174.01	
1934-07-30	173.76		1934-07-19	173.51	
1934-07-10	173.59		1934-07-03	172.93	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1934-06-27	172.68		1934-06-20	172.09	
1934-06-11	171.18		1934-06-06	170.76	
1934-05-29	170.09		1934-05-22	169.18	
1934-05-16	168.68		1934-05-09	168.26	
1934-05-02	167.76		1934-04-25	167.93	
1934-04-18	167.93		1934-04-09	168.59	
1934-04-03	169.26		1934-03-24	169.59	
1934-03-02	168.93		1934-02-10	166.59	
1934-02-03	166.26		1934-01-20	167.09	
1934-01-13	168.01		1934-01-06	168.18	
1933-12-22	168.26		1933-12-16	169.26	
1933-12-09	170.26		1933-11-28	170.01	
1933-11-12	169.59		1933-11-03	170.84	
1933-10-24	171.76		1933-10-07	171.59	
1933-09-30	171.76		1933-09-02	171.01	
1933-08-26	170.26		1933-08-18	170.84	
1933-08-05	168.92		1933-07-29	169.17	
1933-07-08	166.09		1933-06-30	165.09	
1933-06-24	164.76		1933-06-03	165.84	
1933-05-30	165.09		1933-05-01	168.59	
1933-04-26	169.09		1933-04-03	171.17	
1933-03-24	171.59		1933-03-09	171.92	
1933-02-27	171.67		1933-02-03	171.34	
1933-01-28	171.25		1933-01-21	170.59	
1933-01-07	171.51		1932-12-31	171.34	
1932-12-04	171.59		1932-11-26	172.17	
1932-11-05	173.09		1932-10-17	172.76	
1932-09-09	172.09		1932-08-27	171.59	
1932-08-06	170.59		1932-07-30	170.09	
1932-07-02	166.84		1932-06-25	165.67	
1932-06-04	164.01		1932-05-28	164.01	
1932-05-07	166.76		1932-04-22	167.09	
1932-04-02	170.34		1932-03-28	171.09	
1932-03-03	173.67		1932-02-27	173.76	
1932-02-01	174.09				
1932-01-30	175.01				
	Note: The site was being pumped.				
1932-01-16	175.42				
	Note: The site was being pumped.				
1931-12-30	175.67				
	Note: The site was being pumped.				
1931-12-02	175.42				
	Note: The site was being pumped.				
1931-11-28	175.26				
	Note: The site was being pumped.				
1931-11-03	175.09				
	Note: The site was being pumped.				
1931-10-28	175.34				
	Note: The site was being pumped.				
1931-10-05	175.09				
	Note: The site was being pumped.				
1931-09-30	175.17				
	Note: The site was being pumped.				
1931-09-02	174.51				
	Note: The site was being pumped.				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1931-08-29	174.67				
Note: The site was being pumped.					
1931-08-01	174.09				
Note: The site was being pumped.					
1931-07-29	174.01				
Note: The site was being pumped.					
1931-07-01	171.84				
1931-06-27	172.34				
Note: The site was being pumped.					
1931-06-03	170.59				
Note: The site was being pumped.					
1931-05-29	169.93				
Note: The site was being pumped.					
1931-05-02	170.09				
Note: The site was being pumped.					
1931-04-29	170.09				
Note: The site was being pumped.					
1931-04-15	171.51				
Note: The site was being pumped.					
1931-04-04	172.09				
1931-03-31	173.34				
Note: The site was being pumped.					
1931-03-07	174.84				
Note: The site was being pumped.					
1931-02-11	175.34				
Note: The site was being pumped.					
1931-02-03	175.59				
Note: The site was being pumped.					
1931-01-31	174.43				
1931-01-20	175.59				
Note: The site was being pumped.					
1931-01-15	174.59		1931-01-03	174.59	
1931-01-02	175.67				
Note: The site was being pumped.					
1930-12-23	175.76				
Note: The site was being pumped.					
1930-12-20	174.59		1930-12-13	174.76	
1930-12-03	175.84				
Note: The site was being pumped.					
1930-11-19	175.67				
Note: The site was being pumped.					
1930-11-01	175.17				
Note: The site was being pumped.					
1930-10-29	175.17				
Note: The site was being pumped.					
1930-10-08	173.59				
1930-10-01	174.59				
Note: The site was being pumped.					
1930-09-27	174.59				
Note: The site was being pumped.					
1930-09-17	173.59				
1930-09-02	174.59				
Note: The site was being pumped.					
1930-08-27	174.59				
Note: The site was being pumped.					

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1930-08-02	174.17				
Note: The site was being pumped.					
1930-07-30	174.17				
Note: The site was being pumped.					
1930-07-05	172.51				
Note: The site was being pumped.					
1930-06-28	172.42				
Note: The site was being pumped.					
1930-06-18	171.59				
Note: The site was being pumped.					
1930-06-05	170.59				
1930-05-24	171.09				
Note: The site was being pumped.					
1930-05-03	170.09				
1930-04-30	171.26				
Note: The site was being pumped.					
1930-04-16	172.42				
Note: The site was being pumped.					
1930-04-12	172.01				
1930-04-02	173.84				
Note: The site was being pumped.					
1930-03-29	174.26				
Note: The site was being pumped.					
1930-03-22	173.59				
1930-03-15	174.34				
Note: The site was being pumped.					
1930-03-01	174.93				
1930-02-26	175.59				
Note: The site was being pumped.					
1930-02-01	175.93				
Note: The site was being pumped.					
1930-01-29	176.17				
Note: The site was being pumped.					
1930-01-22	174.84				
1930-01-15	175.93				
Note: The site was being pumped.					
1930-01-08	174.55		1929-12-21	174.26	
1929-12-14	174.09				
1929-12-04	174.76				
Note: The site was being pumped.					
1929-11-30	175.17				
Note: The site was being pumped.					
1929-11-20	175.09				
Note: The site was being pumped.					
1929-10-15	174.09				
Note: The site was being pumped.					
1929-09-01	173.59				
Note: The site was being pumped.					
1929-08-01	172.59				
1929-07-27	173.17				
Note: The site was being pumped.					
1929-07-13	172.09				
Note: The site was being pumped.					
1929-07-03	171.84				
Note: The site was being pumped.					

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1929-06-29	171.59				
	Note: The site was being pumped.				
1929-06-08	170.51				
	Note: The site was being pumped.				
1929-06-01	170.25				
	Note: The site was being pumped.				
1929-05-29	170.42				
	Note: The site was being pumped.				
1929-05-15	171.34				
	Note: The site was being pumped.				
1929-05-02	172.59				
	Note: The site was being pumped.				
1929-04-30	172.92				
	Note: The site was being pumped.				
1929-04-16	173.59				
	Note: The site was being pumped.				
1929-04-03	174.76				
	Note: The site was being pumped.				
1929-03-30	174.84				
	Note: The site was being pumped.				
1929-03-20	174.84				
	Note: The site was being pumped.				
1929-03-15	174.84				
	Note: The site was being pumped.				
1929-03-09	175.02				
	Note: The site was being pumped.				
1929-03-06	175.09				
	Note: The site was being pumped.				
1929-03-01	175.09				
	Note: The site was being pumped.				
1929-01-30	174.84				
	Note: The site was being pumped.				
1929-01-24	174.84				
	Note: The site was being pumped.				
1929-01-23	174.84				
	Note: The site was being pumped.				
1928-12-29	174.71				
	Note: The site was being pumped.				
1928-12-22	174.59				
	Note: The site was being pumped.				
1928-12-15	174.59				
	Note: The site was being pumped.				
1928-12-01	174.55				
	Note: The site was being pumped.				
1928-11-28	174.47				
	Note: The site was being pumped.				
1928-11-24	174.51				
	Note: The site was being pumped.				
1928-11-21	174.38				
	Note: The site was being pumped.				
1928-07-25	170.9		1928-05-15	163.1	
1928-04-20	166.5		1928-04-14	172.0	
1928-04-06	170.1		1928-03-02	168.9	
1928-01-01	172				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**3**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS3148255**

Agency cd:	USGS	Site no:	474143117222801
Site name:	25N/43E-04G02		
Latitude:	474142.5		
Longitude:	1172227.8	Dec lat:	47.69513889
Dec lon:	-117.37438889	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	SW NE S04 T25N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2039.49	Altitude method:	R
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	Upper Spokane. Idaho, Washington. Area = 609 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19940909
Date inventoried:	20040610	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	Not Reported		
Well depth:	195.6	Hole depth:	203
Source of depth data:	logs	Project number:	WAB2V00
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1994-09-21	Ground water data end date:	2004-06-10
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-06-10	175.83		1994-09-21	182.1	

**4**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3148256**

Agency cd:	USGS	Site no:	474143117223001
Site name:	25N/43E-04G01		
Latitude:	474143		
Longitude:	1172230	Dec lat:	47.69516984
Dec lon:	-117.37604738	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	SW NE S04 T25N R43E W
Location map:	SPOKANE NW	Map scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	2020	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Upper Spokane. Idaho, Washington. Area = 609 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19921221
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	380	Hole depth:	380
Source of depth data:	driller	Project number:	WA00228
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**5**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3148326**

Agency cd:	USGS	Site no:	474124117220401
Site name:	25N/43E-04J01		
Latitude:	474124		
Longitude:	1172204	Dec lat:	47.68989223
Dec lon:	-117.36882459	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	NE SE S04 T25N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2019.07	Altitude method:	L
Altitude accuracy:	.01	Altitude datum:	NGVD29
Hydrologic:	Upper Spokane. Idaho, Washington. Area = 609 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19480114
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	168	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)	Project number:	WA20000
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1948-03-08	Ground water data end date:	1951-05-08
Ground water data count:	2		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1951-05-08	148.17		1948-03-08	156	

**6  
NNE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS3147992**

Agency cd:	USGS	Site no:	474221117213201
Site name:	26N/43E-34L01		
Latitude:	474221		
Longitude:	1172132	Dec lat:	47.70572563
Dec lon:	-117.35993636	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	NE SW S34 T26N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2030	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Little Spokane. Idaho, Washington. Area = 723 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19931103
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	400	Hole depth:	400
Source of depth data:	driller	Project number:	WA00228
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A7  
WNW  
1/2 - 1 Mile  
Higher**

**WA WELLS WAA1004995**

Pwsid:	83100	Srcnum:	05
Pwssrcid:	8310005	Systemname:	SPOKANE, CITY OF
Systemtype:	Community	Sourcename:	Hoffman Ave - AHC728
Sourcetype:	Well	Sourcelabe:	S05 / Hoffman Ave - AHC728
Region:	Eastern	Wria:	57
County:	SPOKANE	Contadd1:	Not Reported
Contadd2:	914 E North Foothills Dr	Contphone:	(509) 625-7820
Contcity:	Spokane	Conststate:	WA
Contzipcd:	992072794	Usecode:	Seasonal
Capacity:	10920		
Treated:	Not Reported	Suscept:	High
Whpatype:	Not Reported	Doewellid:	AHC728
Latitude:	47.699925		
Longitude:	-117.378545		
Llmethod:	GPS		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A8**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3148058**

Agency cd:	USGS	Site no:	474200117223801
Site name:	25N/43E-04B01		
Latitude:	474159.75		
Longitude:	1172242.78	Dec lat:	47.69993056
Dec lon:	-117.37855	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	NW NE S04 T25N R43E W
Location map:	SPOKANE NW	Map scale:	24000
Altitude:	2047.52	Altitude method:	D
Altitude accuracy:	.05	Altitude datum:	NGVD29
Hydrologic:	Upper Spokane. Idaho, Washington. Area = 609 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19370427
Date inventoried:	20020411	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	212	Hole depth:	212
Source of depth data:	owner	Project number:	SWUDSSCO
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1938-12-16	Ground water data end date:	1978-05-09
Ground water data count:	14		

Ground-water levels, Number of Measurements: 14

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-05-09	184.57		1978-03-06	187.31	
1978-01-10	187.03				
Note: Other conditions existed that would affect the measured water level.					
1977-10-12	190.58				
Note: Other conditions existed that would affect the measured water level.					
1977-07-19	205.55				
Note: The site had been pumped recently.					
1977-05-17	178.56		1977-03-04	176.8	
1965-08-13	171.8		1951-04-10	183.12	
1950-07-23					
Note: The site was being pumped.					
1948-06-06	174.58		1946-09-12	189	
1942-04-20	186.18		1938-12-16	189.77	

**A9**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3148059**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	474200117223901
Site name:	25N/43E-04B02		
Latitude:	474159.75		
Longitude:	1172243.20	Dec lat:	47.69993056
Dec lon:	-117.37866667	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	NW NE S04 T25N R43E W
Location map:	SPOKANE NW	Map scale:	24000
Altitude:	2047.52	Altitude method:	D
Altitude accuracy:	.1	Altitude datum:	NGVD29
Hydrologic:	Upper Spokane. Idaho, Washington. Area = 609 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19380202
Date inventoried:	20020411	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	227	Hole depth:	227
Source of depth data:	owner	Project number:	SWUDSSC0
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1952-04-18
Water quality data end date:	1979-07-10	Water quality data count:	3
Ground water data begin date:	1965-08-13	Ground water data end date:	1965-08-13
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1965-08-13	172	

**10  
North  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS3147877**

Agency cd:	USGS	Site no:	474236117214901
Site name:	26N/43E-34E01		
Latitude:	474236		
Longitude:	1172149	Dec lat:	47.70989218
Dec lon:	-117.364659	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	063
Country:	US	Land net:	SW NW S34 T26N R43E W
Location map:	SPOKANE NE	Map scale:	24000
Altitude:	2032	Altitude method:	L
Altitude accuracy:	1	Altitude datum:	NGVD29
Hydrologic:	Little Spokane. Idaho, Washington. Area = 723 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19210322
Date inventoried:	Not Reported	Mean greenwich time offset:	PST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1989-10-26	70	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for SPOKANE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 99207

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	6.650 pCi/L	50%	40%	10%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	10.949 pCi/L	39%	53%	8%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

## 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 Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Water Wells**

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

## OTHER STATE DATABASE INFORMATION

### RADON

#### **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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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Fax To: FMSM Engineers  
Contact: Robert Newman  
Fax : 502-212-5055  
Date: 07/14/2006

Fax From: Jeff Weiss  
EDR  
Phone: 1-800-352-0050

---

## EDR PUR-IQ<sup>®</sup> Report

*"the intelligent way to conduct historical research"*

for  
PFC JOE E. MANN USARC  
N. 4415 MARKET ST  
SPOKANE, WA 99207  
Lat./Long. 47.69780 / 117.36500  
EDR Inquiry # 01715536.86r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports<sup>®</sup> comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

**Potential for EDR Historical (Prior Use) Coverage** - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage exists for portions of SPOKANE, WA for 1964-1978, 1980, 1982-1984, 1987-1991, 1994-1997
- 2. Fire Insurance Map:** When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Aerial photography coverage may exist for portions of Spokane County. Please contact your EDR Account Executive for information about USGS photos available through EDR.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:

Historical: Coverage exists for Spokane County

Current: Target Property: TP | 1986 | 47117-F3 Spokane NE, WA  
Additional required for 1 Mile radius: W | 1986 | 47117-F4 Spokane NW, WA

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for SPOKANE, WA. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



**EDR™** Environmental  
Data Resources Inc

## EDR - HISTORICAL SOURCE(S) ORDER FORM

**FMSM Engineers  
Robert Newman  
Account # 1022764**

**PFC JOE E. MANN USARC  
N. 4415 MARKET ST  
SPOKANE, WA 99207  
Spokane County  
Lat./Long. 47.69780 / 117.36500  
EDR Inquiry # 01715536.86r**

Should you wish to change or add to your order, fax this form to your EDR account executive:

**Jeff Weiss  
Ph: 1-800-352-0050 Fax: 1-800-231-6802**

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- EDR Multi-Tenant Retail Facility® Report
- EDR City Directory Abstract
- EDR Aerial Photo Decade Package
- USGS Aerial 5 Package
- USGS Aerial 3 Package
- EDR Historical Topographic Maps
- Paper Current USGS Topo (7.5 min.)
- Environmental Lien Search
- Chain of Title Search
- NJ MacRaes Industrial Directory Report
- EDR Telephone Interview

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- Express, Next day Delivery
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Acct # \_\_\_\_\_

***Thank you***