Registration of Hanford Site Class V Underground Injection Wells

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INJECTION WELL REGISTRATION

1.0 INTRODUCTION

On December 23, 1991, the U.S. Department of Energy, Richland Operations Office (DOE-RL) and the Washington State Department of Ecology (Ecology) agreed to adhere to the provisions of Department of Ecology Consent Order No. DE 91NM-177 (216 Consent Order) (Ecology and U.S. DOE 1991). The 216 Consent Order lists regulatory milestones for liquid effluent streams at the Hanford Site and requires compliance with the permitting requirements of Washington Administrative Code (WAC) 173-216 (*State Waste Discharge Permit Program*) or WAC 173-218 (*Washington Underground Injection Control Program*) where applicable. A description of the Hanford Site, for which this registration pertains to, is provided in Section 3.0.

Hanford Site liquid effluent streams discharging to the soil column have been grouped in the 216 Consent Order into three categories. The categories were established according to compositional and flow rate characteristics and are as follows:

- Phase I Streams
- Phase II Streams
- Miscellaneous Streams.

Phase I and Phase II Streams were initially addressed in two reports: *Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site* (DOE 1987), and *Annual Status of the Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site* (WHC 1988). The actions recommended for the Phase I & II streams in the two reports were incorporated in the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology, et al. 1994). Miscellaneous Streams are those liquid effluent streams discharged to the ground that are not categorized as Phase I or Phase II Streams.

Miscellaneous Streams discharging to the soil column on the Hanford Site are subject to the requirements of several milestones identified in the 216 Consent Order. The *Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams* (DOE 1994) provides a plan and schedule for the disposition of Miscellaneous Streams to satisfy one of the 216 Consent Order requirements. The options for disposition of the Miscellaneous Streams have been selected based on demonstrating compliance with the Tri-Party Agreement, 216 Consent Order, WAC 173-216, WAC 173-218, and RCW 90.48.

2.0 PURPOSE

The *Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams* (DOE 1994) requires that all existing Class V injection wells be registered under WAC 173-218. The purpose of this document is to

fulfill this requirement by registering all active Class V underground injection control wells, on the Hanford Site, under WAC 173-218. This registration will revise the registration previously submitted in 1988 (DOE 1988).

In support of this registration, an extensive effort has been made to identify all injection wells on the Hanford Site. New injection wells will not be constructed on the Hanford Site except to receive uncontaminated stormwater or groundwater heatpump return flow. All changes to Miscellaneous Streams will be tracked through the Hanford Site Miscellaneous Streams Inventory Database. Table 5-2 of this injection well registration may be updated annually at the same time as the Miscellaneous Streams Inventory, if necessary.

2.1 SCOPE

There are five classes of Underground Injection Wells defined by WAC 173-218. A description of each class is described below. However, only active Class V Underground Injection Wells are included in this registration.

- Class I injection wells are used to "inject industrial, commercial, or municipal waste fluids beneath the lowermost formation, within 1/4 mile of the well bore, of an underground source of drinking water (USDW)."
- Class II injection wells are defined as an injection well used to inject fluids "Brought to the surface in connection with conventional oil or gas exploration or production..." or used to "enhance the recovery of oil or natural gas..." or used for the storage of liquid-phase hydrocarbons.
- Class III injection wells are used in processes (requiring fluid injection) to recover minerals.
- Class IV injection wells are used to inject radioactive or dangerous waste fluids underground.
- Class V injection wells are described as "all wells not included in Classes I, II, III, or IV."

The scope of active Class V Underground Injection Wells to be registered in this document includes the following:

- Injection wells previously registered -- Per request of Ecology, active injection wells previously registered in 1988 through 1991 are also included on this registration for consistency. The injection wells are registered in a table format rather than submitting one completed form for each injection well.

- Injection wells with plans to be reactivated -- There are a number of injection wells currently inactive but with connecting pipelines. There is a possibility that these injection wells could be reactivated.
- Injection wells receiving storm water -- There are many injection wells that no longer receive industrial waste water but do collect storm water. If storm water is collected from a surface area surrounding the injection well, the injection well is included on the inventory as receiving storm water. Injection wells which continue to receive industrial waste water, or have the possibility of being reactivated to receive industrial waste water, but do not collect storm water from a surrounding surface area because of bermed edges or topography are not included on the inventory as receiving storm water.

3.0 HANFORD SITE DESCRIPTION

This section briefly describes the Hanford Site and provides a general overview.

3.1 THE HANFORD SITE

The Hanford Site covers approximately 560 square miles (1,450 square kilometers) of semiarid land that is owned by the U.S. Government and managed by DOE-RL. The Hanford Site is located northwest of the city of Richland, Washington (Figure 3-1). The city of Richland adjoins the southeastern most portion of the Hanford Site boundary and is the nearest population center.

Activities on the Hanford Site are centralized in numerically designated areas. The 100 Areas, located along the Columbia River, contains deactivated reactors. The processing units are in the 200 Areas, which are on a plateau approximately 7 miles (11 kilometers) from the Columbia River. The 300 Area, located adjacent to and north of Richland, contains research and development laboratories. The 400 Area, 5 miles (8 kilometers) northwest of the 300 Area, contains the Fast Flux Test Facility previously used for testing liquid metal reactor systems. The 600 Area Covers all locations not specifically given an area designation. Adjacent to the north of Richland, the 1100 Area contains offices associated with administration, maintenance, transportation, and materials procurement and distribution. The 3000 Area, located between the 1100 Area and 300 Area, contains engineering offices and administrative offices. Additional administrative offices and operations are also located in the 700 Area.

The applicability of this UIC wells registration is limited to activities conducted by DOE-RL on the Hanford Site, and excludes activities conducted by others on lands covered by leases, use permits, easements and other agreements whereby land is used by parties other than DOE-RL. For example, this registration does not cover activities on state owned or leased lands, lands owned or under use agreements by the Bonneville Power Administration, and lands leased to the Washington Public Power Supply System. The locations of the UIC wells are specified in Table 5-2.

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Figure 3-1. Hanford Site

4.0 BACKGROUND

In 1988, the DOE-RL submitted registration forms for Class V Underground Injection Wells through the document entitled *Registration of Hanford Site Class V Underground Injection Wells* (DOE 1988), as requested by Ecology. The information used to complete the registration forms was obtained from the Waste Information Database System (WIDS) and Hanford Environmental Compliance Record (HECR) databases.

5.0 INJECTION WELL REGISTRATION

The *Revised Inventory of Miscellaneous Streams* (WHC 1993) has been updated and currently consists of over 650 streams. The inventory is maintained in a database to provide a streamlined method for sorting data and generating reports. Table 5-2 is the Injection Well Registration report generated from the database and is considered the underground injection control registration.

The following sections describe the underground injection control registration for the active Class V injection wells on the Hanford Site. The injection well registration form, data explanations, source water descriptions, process descriptions, and table of injection wells are described in the following sections.

5.1 FIELD EXPLANATIONS

This report is generated from the Miscellaneous Streams Inventory Database. Each field described in Table 5-1 corresponds to a column in Table 5-2. Table 5-2 was developed by selecting a portion of the fields which makeup the Hanford Site Miscellaneous Streams Inventory Database.

5.2 SOURCE WATER DESCRIPTIONS

There are four types of source water possible for waste streams on the Hanford Site: Surface water from the Columbia River, sanitary water, groundwater, and storm water. These source water types are described in the following sections.

5.2.1 Surface Water from the Columbia River

Surface water from the Columbia River is pumped from the 100-B, 100-D, or 300 Areas. This water, also called raw water, is filtered to remove large debris, but has not been through any other treatment process.

5.2.2 Sanitary Water

A three-step process converts raw water from the Columbia River into sanitary water, also known as potable water. Equipment used to perform this process includes a stainless steel mixing tank, coagulator settling basins, and multimedia gravity filters.

In the first step of the treatment process, raw water from the Columbia River is supplied to the mixing tank. Chlorine gas, primarily used to control algae and odor, is added to the raw water as it enters the mixing tank.

Water flows from the mixing tank to one of the coagulator settling basins. Aluminum sulfate (alum) is added in the coagulator settling basins as needed. Alum acts as a coagulant, causing flocculate particles to grow in size and density, or agglomerate, and ultimately precipitate to the bottom of the coagulator settling basin.

In the final steps, multimedia gravity filters are used to remove the remaining fine particles. The multimedia gravity filters consist of multiple layers of sand, charcoal, and gravel. Gravitational force allows water to pass through gravity filters, causing the finer particles to adhere to the sand grains, charcoal grains, or gravel. Polyacrylamide is added to water in the gravity filters to aid infiltration of the water in the multimedia gravity filter. Once the water has passed through the multimedia gravity filters, the water is considered potable and is stored in an underground concrete tank, known as a clearwell. Chlorine may be added to the potable water in the clearwell to maintain a concentration of one part per million.

5.2.3 Groundwater (Well Water)

Groundwater is used as the primary source water only in the 400 Area. Three deep wells (one primary and two backup) supply water to three storage tanks. The water is chlorinated with a 1% sodium hypochlorite solution prior to entering the storage tanks. Storage tank water is used as supply water. The sanitary water is pumped throughout the 400 Area for domestic and process use.

Numerous backup wells also exist on the Hanford Site. However, these wells are only used in case of an emergency. Therefore, backup wells used in an emergency will not be used as source water in Table 5-2.

5.2.4 Storm Water

Storm water is rain fall and snow melt run-off.

5.3 PROCESS DESCRIPTIONS

Process descriptions for each of the four types of source water are described below.

5.3.1 Surface Water Process Descriptions

Waste water is generated from cooling water processes and pump packing leaks.

- **Cooling Water** -- Noncontact cooling water is used throughout the Hanford Site for equipment such as pumps, heating, ventilating, and air conditioning (HVAC) systems, air compressors, turbines, generators, and boiler water jackets.
- **Pump packing leaks** -- Leaks might occur around worn out or loose fitting packings. In many cases, the pump packing is made intentionally to fit loose to extend its lifetime, thus reducing the cost of frequent changes.

5.3.2 Sanitary Water Process Descriptions

Sanitary water processes contribute to the Miscellaneous Streams on the Hanford Site. The following sections describe sanitary water processes.

5.3.2.1 Steam Condensate. Steam is produced from sanitary water that has been dechlorinated and sent through a water softener system to remove minerals (calcium and magnesium). The treated water is introduced into coal-fired boilers to produce steam. This steam is superheated before distribution to facilities for both heating and process use. Injection wells receive steam condensate from the steam distribution lines. When used for heating purposes, this is a seasonal discharge. Dearborn 66®¹ and Polyquest 683®² are added to dechlorinate the water, prevent scale, and control corrosion before entering the boilers. Super Filmeen 14®³ and Alkatrol 2025®⁴ are added at the powerhouse to the steam for corrosion control in steam lines.

5.3.2.2 Cooling Water. Along with raw water, sanitary water is also used as noncontact cooling water throughout the Hanford Site for equipment such as

¹ Dearborn 66® is a trademark of Grace Dearborn and Co.

² Polyquest 683® is a trademark of Grace Dearborn and Co.

³ Super Filmeen 14® is a trademark of Grace Dearborn and Co.

⁴ Alkatrol 2025® is a trademark of Grace Dearborn and Co.

pumps, HVAC systems, air compressors, turbines, generators, and boiler water jackets. Air compressor blowdown also is included in this category.

- HVAC -- Continuous air exchange is required in process and/or work areas. Outside air is heated or cooled as needed. Condensate is produced by the HVAC system. This condensate is the entrained moisture in the air drawn in by the respective HVAC System. This condensate is collected and discharged to injection wells.
- Pump packing leaks -- Leaks might occur around worn out or loose fitting packings. In many cases the pump packing is made intentionally to fit loose to extend its lifetime, thus reducing the cost of frequent changes.
- Air Compressor Blowdown -- Compressed air storage tanks contain a moisture trap and drain valve. Water vapor, which condenses when the air is compressed, collects in the trap and is drained periodically. The effluent might be contaminated with small quantities of oil. The source is intermittent and the flow rate depends on compressed air demand and seasonal fluctuations in ambient air temperature and humidity.

5.3.2.3 Sink Drains. Sink drains collect waste water used in kitchens, cleaning processes, eye wash stations, and safety showers. The majority of sinks are used for general sanitation practices, such as washing hands, while others, like those used in paint shops, are used for cleaning painting equipment.

- Cleaning/Kitchens -- Waste water is generated from cleaning paint brushes and water jugs. Kitchens in several buildings also generate waste water.
- Eye Wash and Safety Shower -- Eye wash and safety showers are for emergency use only. These are used when a person comes in contact with hazardous materials that must be washed off their eyes and body to reduce the risk of serious injury.

5.3.3 Groundwater Process Descriptions

Waste water is generated from cooling water processes and pump packing leaks.

- Cooling Water -- Noncontact cooling water is used throughout the Hanford Site for equipment such as pumps, HVAC systems, air compressors, turbines, generators, and boiler water jackets.
- Pump packing leaks -- Leaks might occur around worn out or loose fitting packings. In many cases, the pump packing is made

intentionally to fit loose to extend its lifetime, thus reducing the cost of frequent changes.

5.3.4 Storm Water Process Descriptions

Storm water is generated from rain fall and snow melt that runs off of roofs, pavement, etc. If runoff flows through areas of contamination, the runoff might aid the transport of contaminants through the soil column.

5.4 NOTE EXPLANATION

There are four possible notes that may be associated with each stream on the injection well registration. These notes may be assigned to each stream as applicable. These are defined on Table 5-2 as follows:

- a = This note is obsolete.
- b = Stream is discharging to an injection well within a surface contaminated area.
- c = Potentially contaminated stream.
- d = Disposal site within 300 feet of an active/inactive crib, ditch, or trench.

Note "a": This note is obsolete. This note was helpful in assisting permit applicants as to which streams to include in the permit applications. Streams have been verified as eliminated, rerouted or no change. All streams that were eliminated are not included on the registration in Table 5-2. Streams that were rerouted or had no change are listed in Table 5-2.

Note "b": Stream is discharging to an injection well within a surface contaminated area. Surface contaminated areas are defined as those near-surface soils contaminated with dangerous and/or radioactive waste. There is a potential for migration of existing contaminants present in the soil of the discharge site to the ground water. Underground injection wells discharging directly to a surface contaminated area are a concern.

The boundaries of surface contaminated areas are often set as a conservative boundary for convenient administrative control, and may also include uncontaminated areas. For example, if there are two surface contamination areas close to each other, a boundary will be set to include both surface contamination areas. Therefore, this example boundary includes uncontaminated areas in between the surface contamination areas.

Note "c": Potentially contaminated stream. Streams are considered potentially contaminated if there is a possibility for contaminants described in WAC 173-200 to enter the source water and cause ground water criteria to be exceeded. Miscellaneous Streams originating from sources with physical and/or administrative barriers to prevent contaminants from entering the stream are not considered to have a potential for contaminants. Ground water, surface water, or potable waste water, unaltered except for temperature (e.g., steam condensate, uncontaminated storm water, noncontact cooling water), are not considered to have the potential for contaminants exceeding limits in WAC 173-200.

Note "d": Disposal site within 300 feet of an active/inactive crib, ditch or trench. Crips, ditches, and trenches were used for the disposal of radioactive contaminants. There is a potential for migration of existing contaminants present in the soil within a 91-meter (300-foot) radius of the discharge point. The 91-meter (300-foot) criterion has been used as a minimum separation distance for siting new cribs on the Hanford Site. It is considered a conservative distance based on collective experience from borehole drilling in the vicinity of liquid effluent disposal sites. Lateral spreading from adjacent liquid disposal sites greater than 91 meters (300 feet) apart has not been observed to impact either disposal stream.

If notes "b", "c", or "d" are assigned to a stream on the injection well registration, the Miscellaneous Stream may have the potential to affect groundwater. This will require a study to identify options for the selection and implementation of best management practices. For the purposes of this document, best management practices mean rerouting or eliminating Miscellaneous Streams that potentially are contaminated, are discharged to a surface contaminated area, or are discharged to an active/inactive crib, ditch, or trench (DOE 1994).

As stated in the plan and schedule, all streams requiring selection of best management practices were identified and submitted to Ecology in May 1995. The best management practice options, preferred selection, and implementation schedule will be submitted to Ecology for approval in August 1996 (DOE 1994).

Table 5-1. Field Explanations

Field/column title	Explanation
Area	The area indicates where the injection well is located (e.g., 100N Area, 200 East Area, etc).
Source water	Source water is sanitary water, surface water, groundwater, or storm water. The source water for each stream is indicated on the report by a capital 'A', 'B', 'C', or 'D', and corresponds to the key at the bottom of the report. If more than one stream discharges to an injection well, all source waters are identified. Detailed descriptions of the four types of source water are described in Section 4.2.
Stream No.	The stream number is a consecutive reference ID number based on the entire Miscellaneous Stream inventory. When a stream is eliminated or rerouted, it is noted, but the stream number is not reused. Therefore, once a stream number is assigned to a stream, the number will not change.
Note	Each note is described at the bottom on each page of the table. Detailed descriptions of each note are described in Section 5.4.
Process description	The process description should contain the building number and process generating the stream (e.g., steam condensate). Detailed process descriptions are described in Section 4.3.
Flow	Flow rates are estimated for each Miscellaneous Stream. Flow rates for each disposal structure are averaged over a 1 year period in gallons per minute (gpm).
Disposal structure	This column identifies the engineered structure used to dispose of the waste stream.
Well code	Ecology requested that EPA Well Codes (EPA 1995) be assigned to the active Class V injection wells. The codes used were: 5W20 - Industrial Process Water and Waste Disposal Wells 5A19 - Cooling Water Return Flow Wells 5D2 - Storm water Drainage Wells 5D4 - Industrial Drainage Wells 5F1 - Agricultural Drainage Wells.
Coordinates	Injection well locations are identified using the Washington State Planar Coordinate System (metric).
218	This field identifies which streams in the inventory are regulated under WAC 173-218. For this registration, all streams have a 'yes' in this column. The stream will not be printed on this report if the Stream is not regulated by WAC 173-218.

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
100N	C	395		107N Building - Rain run-off.	< 0.50	Injection Well	5D2	E571,029.89 N149,480.59	Yes
100N	C	396		107N Building - Rain run-off.	< 0.50	Injection Well	5D2	E571,038.12 N149,477.15	Yes
100N	B	492		183N Building - When fire system piping is opened at the valve pit for repair, untreated raw water from the Columbia River (via Hanford Site export water system) drains from pipes into the pit.	< 0.01	Injection Well at the bottom of the valve pit.	5W20	E571,110.05 N149,397.06	Yes
1100	C	661		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E591,660.00 N123,654.00	Yes
1100	C	475		1163 Building - Parking Area - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	Injection Well	5D2	E592,146.71 N123,939.32	Yes
1100	C	476		1163 Building - Parking Area - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	Injection Well	5D2	E592,152.39 N123,859.18	Yes
1100	C	477		1163 Building - Parking area - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	Injection Well	5D2	E592,147.08 N123,789.67	Yes
1100	C	669		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E591,933.00 N123,554.00	Yes
1100	C	658		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E591,933.00 N123,454.00	Yes
1100	C	474		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	Injection Well	5D2	E592,164.06 N123,947.29	Yes
1100	C	478		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	Injection Well	5D2	E592,070.75 N123,968.09	Yes
1100	C	662		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E592,361.00 N123,994.00	Yes
1100	C	663		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection wells	5D2	E592,199.00 N123,791.00	Yes
1100	C	664		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E592,033.00 N123,651.00	Yes
1100	C	665		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E592,033.00 N123,554.00	Yes

Source Water Key: A= groundwater B= surface water C=storm water D=potable water

Note

Key:

- a= This note is obsolete.
- b= Streams discharging to an injection well within a surface contaminated area.
- c= Potentially contaminated stream.
- d= Disposal site within 300 feet of an active/inactive crib, ditch, or trench.

**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
1100	C	666		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E592,033.00 N123,454.00	Yes
1100	C	667		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E591,983.00 N123,554.00	Yes
1100	C	668		1163 Building - Storm water run-off from parking area flows to catch basin; overflow routed to a drywell beneath catch basin.	< 0.01	injection well	5D2	E591,983.00 N123,454.00	Yes
1100	C	539		1163 Building parking lot - Storm water.	< 1.00	Injection Well	5D2	E543,460.00 N110,200.00	Yes
1100	C	479		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,164.06 N124,073.17	Yes
1100	C	480		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,164.02 N124,089.93	Yes
1100	C	481		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.99 N124,103.65	Yes
1100	C	482		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.95 N124,118.88	Yes
1100	C	483		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.91 N124,135.65	Yes
1100	C	484		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.86 N124,157.59	Yes
1100	C	485		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.81 N124,176.79	Yes
1100	C	486		Parking area in front of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	Injection Well	5D2	E592,163.68 N124,228.61	Yes
1100	C	670		Parking area in south of gravel area that was once 1166 Building - Storm water run-off.	< 0.50	injection well	5D2	E592,040.00 N124,138.00	Yes
200	D	168		Steam trap - 2P-Yard-MSS-TRP-105, 106, 107 - Steam condensate.	< 1.00	Injection Well	5W20	E572,550.80 N135,820.46	Yes
200	D	167		Steam trap - 2P-Yard-MSS-TRP-108, 109 (formerly TLT-08, 09) - Steam condensate.	< 1.00	Injection Well	5W20	E571,904.69 N135,818.63	Yes

Source Water Key: A= groundwater B= surface water C= storm water D= potable water

Note
Key: a= This note is obsolete.
 b= Streams discharging to an injection well within a surface contaminated area.
 c= Potentially contaminated stream.
 d= Disposal site within 300 feet of an active/inactive crib, ditch, or trench.

**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200	D	166		Steam trap - 2P-Yard-MSS-TRP-110, 111, 112 (formerly TLT-10, 11, 12) - Steam condensate.	< 1.00	Injection Well	5W20	E571,179.35 N135,816.58	Yes
200	D	165		Steam trap - 2P-Yard-MSS-TRP-113, 114, 115, 116 (formerly TLT-13, 14, 15, 16) - Steam condensate.	< 1.00	Injection Well	5W20	E570,539.40 N135,814.79	Yes
200	D	164		Steam trap - 2P-Yard-MSS-TRP-117, 118 (formerly TLT-17, 18) - Steam condensate.	< 1.00	Injection Well	5W20	E569,731.57 N135,812.76	Yes
200	D	163		Steam trap - 2P-Yard-MSS-TRP-119, 120, 121 (formerly TLT-19, 20, 21) - Steam condensate.	< 1.00	Injection Well	5W20	E569,122.07 N135,811.24	Yes
200	D	162		Steam trap - 2P-Yard-MSS-TRP-122, 123 (formerly TLT-22, 23) - Steam condensate.	< 1.00	Injection Well	5W20	E568,405.91 N135,809.45	Yes
200	D	161		Steam trap - 2Q-Yard-MSS-TRP-124, 125, 126, 127, 128 (formerly TLT-24, 25, 26, 27, 28) - Steam condensate.	< 1.00	Injection Well	5W20	E567,672.64 N135,953.65	Yes
200E	B	459		202A Building - PUREX pump seal water.	< 0.10	Injection Well (D)	5A19	E575,521.58 N136,081.82	Yes
200E	C	464	bd	202A Building - PUREX storm water, discharged into a contaminated area.	< 0.10	Injection Well (K)	5D4	E575,200.68 N135,533.58	Yes
200E	C	460		202A Building - PUREX storm water.	< 0.10	Injection Well (E)	5D2	E574,954.52 N135,607.87	Yes
200E	C	461	d	202A Building - PUREX storm water.	< 0.10	Injection Well (F)	5D2	E575,064.15 N135,527.72	Yes
200E	C	462		202A Building - PUREX storm water.	< 0.10	Injection Well (H)	5D2	E575,095.96 N135,596.68	Yes
200E	C	463		202A Building - PUREX storm water.	< 0.10	Injection Well (I)	5D2	E575,106.26 N135,619.57	Yes
200E	C	465	b	202A Building - PUREX storm water.	< 0.10	Injection Well (P)	5D4	E575,242.50 N135,619.95	Yes
200E	C	466	b	202A Building - PUREX storm water.	< 0.10	Injection Well (R)	5D4	E575,274.50 N135,620.03	Yes
200E	C	467		202A Building - PUREX storm water.	0.00	Injection Well	5D2	E575,055.56 N135,659.96	Yes

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200E	D	63	bd	202A PUREX - Line #8801. Steam condensate discharges to a french drain located within a surface contaminated area.	0.04	Injection Well (O)	5W20	E575,244.18 N135,562.96	Yes
200E	D	61	bd	202A PUREX - Line #8801. Steam condensate discharges to a french drain located within a surface contaminated area.	0.04	Injection Well (M)	5W20	E575,184.63 N135,606.98	Yes
200E	D	66	bd	202A PUREX - Line #8801. Steam condensate discharges to a french drain located within a surface contaminated area.	0.04	Injection Well (T)	5W20	E575,283.53 N135,658.46	Yes
200E	D	62	bd	202A PUREX - Line #8801. Steam condensate discharges to a french drain located within a surface contaminated area.	0.04	Injection Well (N)	5W20	E575,244.21 N135,551.99	Yes
200E	D	64	bd	202A PUREX - Line #8801. Steam condensate discharges to a french drain located within a surface contaminated area.	0.04	Injection Well (Q)	5W20	E575,271.50 N135,601.13	Yes
200E	D	65	b	202A PUREX - Line #8801. Steam condensate.	0.04	Injection Well (S)	5W20	E575,274.12 N135,645.33	Yes
200E	D	56		202A PUREX - Steam condensate line #8801.	0.10	Injection Well (A)	5W20	E574,933.29 N135,718.59	Yes
200E	D	57	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (B)	5W20	E574,933.17 N135,613.91	Yes
200E	D	60	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (G)	5W20	E575,105.64 N135,514.72	Yes
200E	D	67	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (U)	5W20	E575,283.73 N135,902.83	Yes
200E	D	68	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (V)	5W20	E575,222.28 N135,655.85	Yes
200E	D	69	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (W)	5W20	E575,136.01 N135,662.32	Yes
200E	D	70	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (Y)	5W20	E575,118.24 N135,735.28	Yes
200E	D	71	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (Z)	5W20	E575,108.20 N135,797.01	Yes
200E	D	72	d	202A PUREX - Steam condensate line #8801.	0.04	Injection Well (AA)	5W20	E575,076.69 N135,716.87	Yes

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200E	CD	58		202A PUREX - Steam condensate, also has potential to receive storm water.	0.04	Injection Well (C)	5D2, 5W20	E574,959.05 N135,624.34	Yes
200E	CD	59	bd	202A PUREX - Storm water potentially discharges to a french drain located within surface contaminated area. Drain was used to collect steam condensate from the 291A control house.	0.04	Injection Well (L)	5D4	E575,212.20 N135,555.86	Yes
200E	D	657	d	204-AR Steam Trap	0.00	Injection Well	5W20	E575,186.00 N136,010.00	Yes
200E	D	470		212B Building - Steam condensate.	< 0.01	Injection Well	5W20	E573,388.70 N136,446.23	Yes
200E	D	641		2201B Building Ice House - Cooling water and condensate from ice machine.	2.00	Injection well	5W20	E573,327.00 N136,367.00	Yes
200E	B	540	d	224B Building - Elevator shaft - There is no anticipated discharge, used in emergencies only. Historically, raw water line broke and drained into the elevator shaft.	0.00	Injection Well	5W20	E573,429.65 N136,406.58	Yes
200E	D	321		224B Building - Steam condensate.	15.00	Injection Well	5W20	E573,442.14 N136,408.13	Yes
200E	C	12		225B Building - WESF cask handling crane system pad drain. Batch discharged during rain and snow melt.	0.02	Injection Well	5D2	E573,304.89 N136,446.76	Yes
200E	D	10		225B Building - WESF process steam, steam trap condensate.	0.10	Injection Well	5W20	E573,348.76 N136,452.98	Yes
200E	D	547	d	242A Building - Injection wells receives effluent from the 242-A-2, 242-A-3, and 242-A-4 steam traps.	< 1.00	Injection Well	5W20	E575,374.09 N135,954.68	Yes
200E	D	118	d	242A Building. Injection well receives steam condensate from two steam traps and a relief valve (PSV-EA1-1).	< 1.00	Injection Well	5W20	E575,374.09 N135,954.68	Yes
200E	D	50	d	242AC Pipefitter's Shop, steam trap	0.05	Injection Well	5W20	E575,311.57 N135,998.97	Yes
200E	D	48	d	242AC Pipefitter's Shop: three discharge lines to disposal site (242AC steam condensate, pipefitter storage skid shack condensate, stream #50 steam trap).	< 0.05	Injection Well	5W20	E575,295.75 N135,968.37	Yes
200E	D	452		2704HV Building - Steam condensate.	< 0.01	Injection Well	5W20	E572,609.65 N136,579.50	Yes
200E	D	563		2704HV Building - Steam condensate.	< 0.01	Injection Well	5W20	E572,625.50 N136,579.54	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200E	D	488		2707E Building - Steam condensate batch discharge during winter.	< 5.00	Injection Well	5W20	E573,547.10 N135,713.55	Yes
200E	D	312		2707E Building - Steam condensate north side, batch discharge during winter.	< 5.00	Injection Well	5W20	E573,595.75 N135,736.25	Yes
200E	D	522		2707E Building - Steam condensate.	< 1.00	Injection Well	5W20	E573,569.65 N135,713.62	Yes
200E	D	313		2713E Building - Steam condensate, batch discharged during winter.	< 5.00	Injection Well	5W20	E573,611.56 N135,549.16	Yes
200E	D	92		2715E Building - Steam Trap #02 - This steam trap is on the line to the building, past the first cutoff from the main header.	< 1.00	Injection Well	5W20	E573,660.90 N135,561.49	Yes
200E	D	93		2715E Building - Steam Trap #03 - This steam trap is on the line to the building, past the first cutoff from the main header.	< 1.00	Injection Well	5W20	E573,673.12 N135,549.34	Yes
200E	D	94		2715E Building - Steam Trap #04 - This steam trap is on the line to the building, past the first cutoff from the main header.	< 1.00	Injection Well	5W20	E573,648.65 N135,582.79	Yes
200E	D	315		2715E Building - Steam condensate, batch discharged during winter.	< 5.00	Injection Well	5W20	E573,721.89 N135,549.47	Yes
200E	D	531		2715E Building - Steam condensate.	0.00	Injection Well	5W20	E573,680.69 N135,569.17	Yes
200E	D	532		2715E Building - Steam condensate.	0.00	Injection Well	5W20	E573,680.69 N135,568.56	Yes
200E	D	489		2715E Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E573,659.35 N135,569.72	Yes
200E	D	223	c	2715EC Building - Paint Shop sink used to wash latex paint brushes.	< 1.00	Injection Well	5W20	E573,623.11 N135,670.49	Yes
200E	D	224		2715EC Building - Steam condensate and overflow from building heating and cooling unit.	< 1.00	Injection Well	5W20	E573,627.10 N135,658.92	Yes
200E	D	527		2715EC Building - Steam condensate.	1.00	Injection Well	5W20	E573,617.13 N135,411.74	Yes
200E	D	528		2715EC Building - Steam condensate.	1.00	Injection Well	5W20	E573,616.43 N135,661.94	Yes

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Injection Well Registration.**

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200E	C	529		2715EC Building - Storm water run-off.	1.00	Injection Well	5D2	E573,621.91 N135,661.96	Yes
200E	D	311		2719E Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E573,595.93 N135,671.03	Yes
200E	D	490		271B Building - Lunch room ice machine overflow.	< 0.07	Injection Well	5W20	E573,467.24 N136,477.69	Yes
200E	C	496		2721EA Building - Storm water run-off from roof drains and paved surface.	< 0.01	Injection Well	5D2	E572,814.89 N135,653.59	Yes
200E	D	500		272E Building - Receives steam condensate.	< 0.50	Injection Well, Labelled E2	5W20	E573,578.46 N135,613.98	Yes
200E	D	498		272E Building - HVAC / steam condensate to an eight inch diameter french drain.	< 0.01	Injection Well	5W20	E573,573.90 N135,612.14	Yes
200E	D	501		272E Building - Steam condensate.	< 0.01	Injection Well	5W20	E573,579.20 N135,677.07	Yes
200E	D	310		272E Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E573,435.06 N135,670.58	Yes
200E	C	499		272E Building - Storm water from walkway.	< 0.01	Injection Well, Labelled E1	5D2	E573,579.38 N135,613.99	Yes
200E	D	559		272E Building - Water from valve.	< 1.00	Injection Well	5W20	E573,569.31 N135,619.14	Yes
200E	D	560		273E Building 72-inch well - Water from vacuum vent line for sanitary water.	< 1.00	Injection Well	5W20	E573,476.03 N135,733.16	Yes
200E	D	561		273E Building Control valve above 12-inch well - Potable water from valve.	< 1.00	Injection Well	5W20	E573,486.70 N135,733.19	Yes
200E	D	314		275E Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E573,721.85 N135,561.59	Yes
200E	D	525		275E Building - Steam condensate.	< 1.00	Injection Well	5W20	E573,680.57 N135,612.44	Yes
200E	C	526		275E Building - Storm water run-off.	1.00	Injection Well	5D2	E573,723.23 N135,612.57	Yes

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200E	D	318		275EA Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E573,433.35 N136,280.11	Yes
200E	D	497		275EA Building - Steam condensate from steam pipeline.	< 0.01	Injection Well	5W20	E575,172.52 N135,831.24	Yes
200E	D	317	b	276C Building - Steam condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E574,551.87 N136,353.75	Yes
200E	D	176		283E Building - HTP-TRP-200-205,208-305 (located inside this building) discharge to this injection well. Heater filter floor.	< 5.00	Injection Well	5W20	E573,829.00 N135,664.32	Yes
200E	D	175		283E Building - HTR-TRP-206,207,307 (located inside the building) discharge to this injection well. Heater steam condensate.	< 5.00	Injection Well	5W20	E573,816.75 N135,630.51	Yes
200E	D	169		284E Building - Heater, main floor (winter flow only) HTR-024, HTR-025	< 5.00	Injection Well	5W20	E573,910.65 N135,618.59	Yes
200E	D	171		284E Building - Heater, TRP-070, HTR-071.	< 5.00	Injection Well	5W20	E573,912.92 N135,570.13	Yes
200E	D	172		284E Building - Heater, TRP-087, HTR-087.	< 5.00	Injection Well	5W20	E573,910.71 N135,597.25	Yes
200E	D	173		284E Building - Heater, crusher room, HTR-079.	< 5.00	Injection Well	5W20	E573,910.96 N135,511.01	Yes
200E	D	170		284E Building - Heater.	< 5.00	Injection Well	5W20	E573,910.62 N135,629.25	Yes
200E	B	322	c	291B Building - Plant Canyon Exhaust Sand Filter Drain - Drains liquid effluent in filter bank if waterproofing seal fails.	0.00	Injection Well	5W20	E573,650.50 N136,388.86	Yes
200E	D	8		292B Building - B Plant yard steam line, three inch line to 292-B, steam trap condensate.	0.01	Injection Well	5W20	E573,556.52 N136,375.54	Yes
200E	D	5		B Plant Yard Steam Line - Eight inch main, steam trap condensate.	0.70	Injection Well	5W20	E573,411.47 N136,367.91	Yes
200E	D	6		B Plant Yard Steam Line - Eight inch main, steam trap condensate.	0.30	Injection Well	5W20	E573,358.44 N136,367.76	Yes
200E	D	7		B Plant Yard Steam Line - Eight inch main, steam trap condensate.	0.30	Injection Well	5W20	E573,330.16 N136,401.42	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200E	D	1		B Plant Yard Steam Line - Six inch main, steam trap condensate.	0.80	Injection Well	5W20	E573,721.72 N136,368.79	Yes
200E	D	4		B Plant Yard Steam Line - Ten inch main, steam trap condensate.	0.50	Injection Well	5W20	E573,560.20 N136,368.33	Yes
200E	D	3		B Plant Yard Steam Line - Ten inch main, steam trap condensate.	0.40	Injection Well	5W20	E573,643.09 N136,368.57	Yes
200E	D	9		B Plant Yard Steam Line - Three inch main, steam trap condensate.	0.10	Injection Well	5W20	E573,277.50 N136,377.49	Yes
200E	D	2		B Plant Yard Steam Line - Twelve inch main, steam trap condensate.	0.05	Injection Well	5W20	E573,714.10 N136,368.77	Yes
200E	C	558		M0400 Building - Storm water drains to ground with overflow to sewer.	< 1.00	Injection Well	5D2	E573,463.12 N136,533.15	Yes
200E	D	533		MO035 Building - Source is water valve on line providing water to trailer.	< 1.00	Injection Well	5W20	E575,009.78 N136,019.07	Yes
200E	D	101		Steam Trap - 2P-Yard-MSS-TRP-048 (formerly MSD #01) - Steam Condensate.	< 1.00	Injection Well	5W20	E573,602.64 N135,686.28	Yes
200E	D	642		Steam Trap - 2P-Yard-MSS-TRP-050 - Steam condensate.	< 0.01	Injection well	5W20	E573,884.15 N135,534.59	Yes
200E	D	643		Steam Trap - 2P-Yard-MSS-TRP-056 - Steam condensate.	< 0.01	Injection well	5W20	E573,911.20 N134,346.20	Yes
200E	D	644		Steam Trap - 2P-Yard-MSS-TRP-057 - Steam condensate.	< 0.01	Injection well	5W20	E573,948.66 N135,650.70	Yes
200E	D	645		Steam Trap - 2P-Yard-MSS-TRP-058,059 - Steam condensate.	< 0.01	Injection well	5W20	E573,846.63 N135,626.02	Yes
200E	D	633		Steam Trap - 2P-Yard-MSS-TRP-060 - Steam Condensate	< 0.01	Injection well	5W20	E573,881.72 N135,610.88	Yes
200E	D	634		Steam Trap - 2P-Yard-MSS-TRP-063 - Steam condensate.	< 0.01	Injection well	5W20	E573,877.28 N135,565.16	Yes
200E	D	635		Steam Trap - 2P-Yard-MSS-TRP-064 - Steam condensate.	< 0.01	Injection well	5W20	E573,892.73 N135,489.02	Yes

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Injection Well Registration.**

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200E	D	102		Steam Trap - MSD #02.	< 1.00	Injection Well	5W20	E573,608.80 N135,664.97	Yes
200E	D	86		Steam Trap 2P - Yard-MSS-TRP-001.	< 1.00	Injection Well	5W20	E573,886.21 N135,641.37	Yes
200E	D	87		Steam Trap 2P - Yard-MSS-TRP-002.	< 1.00	Injection Well	5W20	E573,877.23 N135,580.39	Yes
200E	D	89		Steam Trap 2P - Yard-MSS-TRP-003.	< 1.00	Injection Well	5W20	E573,740.13 N135,564.77	Yes
200E	D	90		Steam Trap 2P - Yard-MSS-TRP-004.	< 1.00	Injection Well	5W20	E573,700.55 N135,549.41	Yes
200E	D	95		Steam Trap 2P - Yard-MSS-TRP-005.	< 1.00	Injection Well	5W20	E573,621.31 N135,549.19	Yes
200E	D	96		Steam Trap 2P - Yard-MSS-TRP-006.	< 1.00	Injection Well	5W20	E573,603.03 N135,549.14	Yes
200E	D	97		Steam Trap 2P - Yard-MSS-TRP-007.	< 1.00	Injection Well	5W20	E573,572.50 N135,567.34	Yes
200E	D	100		Steam Trap 2P - Yard-MSS-TRP-010.	< 1.00	Injection Well	5W20	E573,727.77 N135,625.68	Yes
200E	D	105		Steam Trap 2P - Yard-MSS-TRP-011.	< 1.00	Injection Well	5W20	E573,651.18 N135,765.66	Yes
200E	D	106		Steam Trap 2P - Yard-MSS-TRP-012, 062 - Steam Condensate.	< 1.00	Injection Well	5W20	E573,727.34 N135,778.07	Yes
200E	D	107		Steam Trap 2P - Yard-MSS-TRP-013.	< 1.00	Injection Well	5W20	E573,726.85 N135,951.79	Yes
200E	D	108		Steam Trap 2P - Yard-MSS-TRP-014.	< 1.00	Injection Well	5W20	E573,726.40 N136,113.31	Yes
200E	D	109		Steam Trap 2P - Yard-MSS-TRP-016.	< 1.00	Injection Well	5W20	E573,726.00 N136,256.56	Yes
200E	D	570		Steam Trap 2P - Yard-MSS-TRP-017.	< 1.00	Injection Well	5W20	E573,708.92 N136,368.75	Yes

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200E	D	110		Steam Trap 2P - Yard-MSS-TRP-018.	< 1.00	Injection Well	5W20	E573,753.11 N136,369.40	Yes
200E	D	571		Steam Trap 2P - Yard-MSS-TRP-019.	< 1.00	Injection Well	5W20	E573,699.78 N136,368.73	Yes
200E	D	111		Steam Trap 2P - Yard-MSS-TRP-036.	< 1.00	Injection Well	5W20	E574,010.92 N135,727.07	Yes
200E	D	112		Steam Trap 2P - Yard-MSS-TRP-037.	< 1.00	Injection Well	5W20	E574,227.31 N135,727.68	Yes
200E	D	113		Steam Trap 2P - Yard-MSS-TRP-038.	< 1.00	Injection Well	5W20	E574,547.31 N135,728.59	Yes
200E	D	114		Steam Trap 2P - Yard-MSS-TRP-039.	< 1.00	Injection Well	5W20	E574,736.28 N135,729.14	Yes
200E	D	115		Steam Trap 2P - Yard-MSS-TRP-040.	< 1.00	Injection Well	5W20	E575,053.47 N135,766.32	Yes
200E	D	116		Steam Trap 2P - Yard-MSS-TRP-041.	< 1.00	Injection Well	5W20	E575,033.11 N135,854.69	Yes
200E	D	117		Steam Trap 2P - Yard-MSS-TRP-042.	< 1.00	Injection Well	5W20	E575,156.35 N135,946.53	Yes
200E	D	572		Steam Trap 2P - Yard-MSS-TRP-043.	< 1.00	Injection Well	5W20	E575,195.07 N136,016.78	Yes
200E	D	573		Steam Trap 2P - Yard-MSS-TRP-044.	< 1.00	Injection Well	5W20	E575,182.72 N136,056.34	Yes
200E	D	91		Steam Trap 2P - Yard-MSS-TRP-047.	< 1.00	Injection Well	5W20	E573,660.87 N135,573.68	Yes
200E	D	104		Steam Trap 2P - Yard-MSS-TRP-049.	< 1.00	Injection Well	5W20	E573,602.73 N135,655.81	Yes
200E	D	103		Steam Trap 2P - Yard-MSS-TRP-051 (formerly labelled MSD #03) - Steam condensate.	< 1.00	Injection Well	5W20	E573,633.18 N135,665.04	Yes
200E	D	88		Steam Trap 2P - Yard-MSS-TRP-061 (tagged as 03-275E) - Steam condensate.	< 1.00	Injection Well	5W20	E573,851.80 N135,629.09	Yes

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200E	D	577		Steam Trap 2P - Yard-MSS-TRP-101; steam condensate.	< 1.00	Injection Well	5W20	E573,940.00 N135,760.00	Yes
200E	D	578		Steam Trap 2P - Yard-MSS-TRP-102; steam condensate.	< 1.00	Injection well	5W20	E573,720.00 N135,850.00	Yes
200E	D	580		Steam Trap 2P - Yard-MSS-TRP-104; steam condensate.	< 1.00	Injection Well	5W20	E573,280.00 N135,800.00	Yes
200E	D	651	d	Steam Trap 2P-Yard-MSS-TRP-052 - Steam condensate.	< 0.01	Injection well	5W20	E575,280.00 N135,930.00	Yes
200E	D	652		Steam Trap 2P-Yard-MSS-TRP-053 - Steam condensate.	< 0.01	Injection well	5W20	E575,280.00 N135,930.00	Yes
200E	D	632		Steam trap - 2P-Yard-MSS-TRP-015 - Steam condensate.	< 0.01	Injection well	5W20	E573,726.63 N136,032.55	Yes
200E	D	535		Steam trap - 2P-Yard-MSS-TRP-103 - on main steam line crossing Atlanta Street (formerly labeled TLT-3).	1.00	Injection Well	5W20	E573,477.19 N135,863.30	Yes
200E	D	660		West side of K-3 Filter. Injection well, located below emergency steam jet, receives steam condensate..	0.10	injection well	5W20	E573,336.42 N136,438.62	Yes
200W	D	202	d	219S Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,473.66 N133,928.20	Yes
200W	D	575	d	219S Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,466.04 N133,929.71	Yes
200W	D	200	d	222S Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,424.94 N133,906.14	Yes
200W	C	206		222S Building - Catch Basin (storm drain) #03.	< 0.10	Injection Well	5D2	E567,304.54 N133,814.86	Yes
200W	C	207		222S Building - Catch Basin (storm drain) #04.	< 0.10	Injection Well	5D2	E567,256.62 N133,859.24	Yes
200W	C	208	d	222S Building - Catch Basin (storm drain) #05.	< 0.10	Injection Well	5D4	E567,354.19 N133,821.97	Yes
200W	C	209	d	222S Building - Catch Basin (storm drain) #06.	< 0.10	Injection Well	5D4	E567,353.99 N133,920.07	Yes

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Injection Well Registration.**

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200W	C	210	d	222S Building - Catch Basin (storm drain) #07.	< 0.10	Injection Well	5D4	E567,360.91 N133,814.97	Yes
200W	C	211	d	222S Building - Catch Basin (storm drain) #08.	< 0.10	Injection Well	5D4	E567,360.69 N133,917.04	Yes
200W	C	212	d	222S Building - Catch Basin (storm drain) #10.	< 0.10	Injection Well	5D4	E567,433.98 N133,815.01	Yes
200W	C	213	d	222S Building - Catch Basin (storm drain) #11.	< 0.10	Injection Well	5D4	E567,389.85 N133,920.39	Yes
200W	C	215	d	222S Building - Catch Basin (storm drain) #13.	< 0.10	Injection Well	5D4	E567,363.46 N133,904.55	Yes
200W	C	216	d	222S Building - Catch Basin (storm drain).	< 0.10	Injection Well	5D4	E567,402.56 N133,823.78	Yes
200W	C	217	d	222S Building - Catch Basin (storm drain).	< 0.10	Injection Well	5D4	E567,408.70 N133,805.50	Yes
200W	C	204		222S Building - Catch Basin (storm drain) #01.	< 0.10	Injection Well	5D2	E567,219.23 N133,814.68	Yes
200W	C	205		222S Building - Catch Basin (storm drain) #02.	< 0.10	Injection Well	5D2	E567,255.79 N133,814.76	Yes
200W	C	214	d	222S Building - Catch Basin (storm drain) #12.	< 0.10	Injection Well	5D4	E567,412.71 N133,920.44	Yes
200W	C	203	d	222S Building - Catch Basin (storm drain) in driveway. This catch basin overflows to the gravel filled drainage pit in stream #586.	< 0.10	Injection Well	5D2	E567,490.17 N133,908.12	Yes
200W	C	581	d	222S Building - Injection well receives overflow storm water from stream numbers 212, 216, and 217.	< 0.30	Injection well	5D4	E567,401.11 N133,792.99	Yes
200W	D	576	d	222S Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,418.63 N133,929.60	Yes
200W	D	201	d	222SC Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,436.53 N133,926.59	Yes
200W	D	271		222T Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,641.47 N136,837.61	Yes

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Injection Well Registration.**

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200W	D	272		222T Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,626.27 N136,822.34	Yes
200W	D	273		222T Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,641.57 N136,797.99	Yes
200W	D	274		222T Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,656.75 N136,819.36	Yes
200W	D	275		222T Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,656.73 N136,828.50	Yes
200W	CD	393		222U Building - Steam condensate and storm water.	< 1.00	Injection Well	5W20, 5D2	E567,661.04 N135,103.63	Yes
200W	CD	394		222U Building - Steam condensate and storm water.	< 1.00	Injection Well	5W20, 5D2	E567,625.91 N135,136.15	Yes
200W	C	521		222U Building - Storm water run-off.	< 0.50	Injection Well	5D2	E567,612.54 N135,121.79	Yes
200W	D	55		224U Building - Steam condensate discharge.	0.10	Injection Well	5W20	E567,524.16 N134,999.67	Yes
200W	D	54		224U Building - Steam condensate, northwest corner.	0.50	Injection Well	5W20	E567,539.33 N135,024.09	Yes
200W	D	52		224U Building - Steam condensate, southwest side.	0.50	Injection Well	5W20	E567,539.37 N135,007.33	Yes
200W	D	259		231Z Building - Main steam line trap #02.	0.05	Injection Well	5W20	E566,455.30 N135,868.48	Yes
200W	D	260	d	231Z Building - Stack demister condensate drain.	0.02	Injection Well	5W20	E566,461.31 N135,911.16	Yes
200W	C	255	d	231Z Building - Air intake corridor storm drains.	< 0.01	Injection Well	5D4	E566,452.19 N135,898.95	Yes
200W	C	256	d	231Z Building - Air intake corridor storm drains.	< 0.01	Injection Well	5D4	E566,452.19 N135,898.95	Yes
200W	C	257	d	231Z Building - Air intake corridor storm drains.	< 0.01	Injection Well	5D4	E566,452.19 N135,898.95	Yes

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Injection Well Registration.**

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200W	D	258	d	231Z Building - Main steam line trap #01.	0.05	Injection Well	5W20	E566,455.44 N135,798.38	Yes
200W	CD	508		231Z Building - Steam condensate and potentially receiving storm water from overhead pipes.	< 5.00	Injection Well	5D4, 5W20	E566,505.77 N135,928.32	Yes
200W	CD	509		231Z Building - Steam condensate and potentially receiving storm water from overhead pipes.	< 5.00	Injection Well	5D4, 5W20	E566,496.34 N135,918.85	Yes
200W	CD	510	c	231Z Building - Steam condensate and storm water, potentially contaminated with hydrocarbons	< 5.00	Injection Well	5D4, 5W20	E566,453.48 N135,861.46	Yes
200W	C	565		231Z Building - Storm water.	< 0.01	Injection Well	5D2	E566,450.63 N135,914.19	Yes
200W	C	566		231Z Building - Storm water.	< 0.01	Injection Well	5D2	E566,450.64 N135,910.53	Yes
200W	C	567		231Z Building - Storm water.	< 0.01	Injection Well	5D2	E566,450.66 N135,902.00	Yes
200W	C	568		231Z Building - Storm water.	< 0.01	Injection Well	5D2	E566,450.67 N135,894.38	Yes
200W	C	569		231Z Building - Storm water.	< 0.01	Injection Well	5D2	E566,543.77 N135,829.03	Yes
200W	CD	511	c	231Z Building - Water condensate and oil blowdown from building air compressors, and storm water. Potentially contaminated with hydrocarbons.	< 5.00	Injection Well	5D4, 5W20	E566,454.09 N135,861.46	Yes
200W	D	248		2345Z Building - Main steam line trap #01.	0.05	Injection Well	5W20	E566,455.54 N135,778.67	Yes
200W	D	249		2345Z Building - Main steam line trap #02.	0.05	Injection Well	5W20	E566,455.82 N135,716.25	Yes
200W	D	250		2345Z Building - Main steam line trap #03.	0.05	Injection Well	5W20	E566,455.89 N135,685.77	Yes
200W	D	254	d	2345Z Building - PFP Complex main steam line trap #01.	0.05	Injection Well	5W20	E566,559.29 N135,795.75	Yes
200W	D	247		2345Z Building - Plutonium process support steam trap.	0.01	Injection Well	5W20	E566,455.92 N135,676.63	Yes

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200W	D	655		2345Z Building - Steam Trap on 2902-Z high tank.	0.05	Injection well	5W20	E566,442.04 N135,737.55	Yes
200W	C	228		2345Z Building - Storm drain in stairwell to pipe tunnel #01.	< 0.01	Injection Well	5D2	E566,545.82 N135,644.95	Yes
200W	C	231		2345Z Building - Storm drain in stairwell to pipe tunnel #06.	< 0.01	Injection Well	5D2	E566,545.89 N135,664.67	Yes
200W	C	229		2345Z Building - Storm drain in stairwell to pipe tunnel #04.	< 0.01	Injection Well	5D2	E566,413.25 N135,633.92	Yes
200W	C	230		2345Z Building - Storm drain in stairwell to pipe tunnel #05.	< 0.01	Injection Well	5D2	E566,410.18 N135,676.51	Yes
200W	D	246		2345Z Building - Ventilation condensate drain from duct level.	0.01	Injection Well	5W20	E566,414.75 N135,676.52	Yes
200W	D	225		2345ZC Building - HVAC condensate drains from roof.	0.20	Injection Well	5W20	E566,562.71 N135,644.90	Yes
200W	D	226		2345ZC Building - HVAC condensate drains from roof.	0.20	Injection Well	5W20	E566,562.71 N135,644.90	Yes
200W	D	234	d	241Z Building - Main steam line trap.	0.05	Injection Well	5W20	E566,511.02 N135,551.88	Yes
200W	D	232	cd	241Z Building - Eyewash/safety shower.	0.00	Injection Well	5W20	E566,535.49 N135,535.14	Yes
200W	D	233	cd	241Z Building - Tank D-9 steam jacket condensate. Potential for sodium hydroxide contamination. System is in operation only during Plutonium Reclamation Facility operation.	0.05	Injection Well	5W20	E566,540.08 N135,530.58	Yes
200W	D	235	d	241Z Building - Waste tanks steam supply trap.	0.25	Injection Well	5W20	E566,520.25 N135,536.62	Yes
200W	D	236	d	241Z Building - Waste tanks steam supply trap.	0.25	Injection Well	5W20	E566,520.25 N135,536.62	Yes
200W	D	237	d	241Z Building - Waste tanks steam supply trap.	0.25	Injection Well	5W20	E566,520.25 N135,536.62	Yes
200W	D	238	d	241Z Building - Waste tanks steam supply trap.	0.25	Injection Well	5W20	E566,520.25 N135,536.62	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200W	D	239	d	241Z Building - Waste tanks steam supply trap.	0.25	Injection Well	5W20	E566,520.25 N135,536.62	Yes
200W	C	583	d	2704S Building - HVAC condensate.	< 0.10	Injection Well	5W20	E567,320.17 N133,920.31	Yes
200W	D	386		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,951.37 N135,997.26	Yes
200W	D	387		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,945.30 N135,986.58	Yes
200W	D	388		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,933.14 N135,975.89	Yes
200W	D	389		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,945.27 N135,997.25	Yes
200W	D	390		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,933.04 N136,012.46	Yes
200W	D	391		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,951.33 N136,012.50	Yes
200W	D	392		2704W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,945.23 N136,012.49	Yes
200W	D	279		2707W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,951.27 N136,036.88	Yes
200W	D	276		2707W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,963.46 N136,036.91	Yes
200W	D	277		2707W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,969.53 N136,046.07	Yes
200W	D	278		2707W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,951.22 N136,055.17	Yes
200W	D	280		2707W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,958.89 N136,036.90	Yes
200W	D	536		2707W Building - Steam condensate.	1.00	Injection Well	5W20	E567,901.44 N135,732.01	Yes

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Injection Well Registration.**

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200W	C	537		2707W Building - Storm water run-off.	1.00	Injection Well	5D2	E567,920.64 N135,732.06	Yes
200W	D	281		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,932.96 N136,047.20	Yes
200W	D	282		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,932.96 N136,047.20	Yes
200W	D	283		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,934.06 N136,217.86	Yes
200W	D	284		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,959.97 N136,214.88	Yes
200W	D	285		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,963.01 N136,214.89	Yes
200W	D	502		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,964.55 N136,211.84	Yes
200W	D	538		2713W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,964.54 N136,214.89	Yes
200W	C	504		2713W Building - Storm water run-off.	< 1.00	Injection Well	5D2	E567,959.98 N136,208.78	Yes
200W	D	286		2713WB Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,232.14 N135,971.12	Yes
200W	D	287		2713WB Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,216.90 N135,971.08	Yes
200W	D	199		2716S Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,403.71 N133,857.32	Yes
200W	D	288		2719WA Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,869.09 N135,997.06	Yes
200W	D	289		2722W Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,810.70 N136,188.91	Yes
200W	D	503		2723 Building - Steam condensate.	< 0.10	Injection Well	5W20	E565,934.68 N135,765.26	Yes

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Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200W	D	520		2723W Building - Steam condensate	< 1.00	Injection Well	5W20	E567,891.20 N136,051.06	Yes
200W	D	290		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,920.73 N136,061.19	Yes
200W	D	291		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,884.22 N136,036.71	Yes
200W	D	292		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,893.37 N136,036.74	Yes
200W	D	293		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,911.65 N136,036.78	Yes
200W	D	294		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,884.16 N136,061.09	Yes
200W	D	295		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,893.31 N136,061.12	Yes
200W	D	296		2723W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,911.59 N136,061.16	Yes
200W	D	85		2724WB Building - Heater condensate - Batch discharged during winter.	< 10.00	Injection Well	5W20	E567,805.51 N135,950.88	Yes
200W	C	81		2724WB Building - Rain water run-off from annual rain fall.	< 0.10	Injection Well	5D2	E567,805.46 N135,969.78	Yes
200W	C	82		2724WB Building - Rain water run-off from annual rain fall.	< 0.10	Injection Well	5D2	E567,786.61 N135,950.84	Yes
200W	D	297		272S Building - Steam condensate.	< 5.00	Injection Well	5W20	E566,690.28 N134,548.09	Yes
200W	D	298		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,947.92 N136,155.73	Yes
200W	D	299		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,944.93 N136,134.39	Yes
200W	D	300		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,945.00 N136,105.43	Yes

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200W	D	301		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,948.10 N136,085.63	Yes
200W	D	302		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,963.34 N136,085.67	Yes
200W	D	303		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,966.26 N136,134.44	Yes
200W	D	304		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,966.33 N136,105.49	Yes
200W	D	305		272W Building - Steam condensate.	< 1.00	Injection Well	5W20	E567,966.31 N136,116.15	Yes
200W	D	243		2734ZC Building - Steam trap.	0.05	Injection Well	5W20	E566,498.60 N135,634.15	Yes
200W	D	654	c	2734ZL Building - Emergency Eyewash Station.	0.00	Injection well	5W20	E566,480.32 N135,631.05	Yes
200W	D	227		2735Z Building - Steam supply; steam trap.	0.05	Injection Well	5W20	E566,562.71 N135,644.90	Yes
200W	D	240		2736Z Building - Complex main steam line trap.	0.10	Injection Well	5W20	E566,471.23 N135,612.74	Yes
200W	C	244		2736ZC Building - Storm drain.	< 0.01	Injection Well	5D2	E566,465.27 N135,560.90	Yes
200W	D	534		273W Building - Sanitary water received from 277W Building.	< 1.00	Injection Well	5W20	E567,829.18 N136,112.76	Yes
200W	CD	506		274W Building - Steam condensate and storm water.	< 5.00	Injection Well	5D2, 5W20	E567,862.31 N136,146.07	Yes
200W	D	306		274W Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,838.52 N136,155.45	Yes
200W	D	505		274W Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,843.72 N136,146.02	Yes
200W	D	507		274W Building - Steam condensate.	< 5.00	Injection Well	5W20	E567,871.76 N136,146.09	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
200W	D	75		277 Fabrication Shop - Condensate from building heater.	< 1.00	Injection Well	5W20	E567,911.55 N136,076.40	Yes
200W	D	541		277W Building - Sanitary water.	0.00	Injection Well	5W20	E567,824.30 N136,112.75	Yes
200W	D	542		277W Building - Steam condensate.	0.00	Injection Well	5W20	E567,814.89 N136,098.41	Yes
200W	D	80	c	277W Fabrication Shop - Condensate from compressor.	< 5.00	Injection Well	5W20	E567,859.70 N136,094.56	Yes
200W	D	77		277W Fabrication Shop - Condensate from two HVAC units.	< 5.00	Injection Well	5W20	E567,859.67 N136,105.22	Yes
200W	D	78		277W Fabrication Shop - Condensate from two HVAC units.	< 5.00	Injection Well	5W20	E567,917.57 N136,105.37	Yes
200W	D	76		277W Fabrication Shop - Condensate from building heater and spray pan water.	< 1.00	Injection Well	5W20	E567,815.51 N136,092.92	Yes
200W	D	637		283W Building - Building heater steam traps located inside of the building discharge to an injection well on the east side exterior of the building.	< 0.01	Injection well	5W20	E567,689.07 N136,081.94	Yes
200W	D	636		284W - Steam traps 2Q-Yard-MSS-TRP-001,010,127,128,065 discharge to one injection well located behind the new 200W package boilers.	< 0.01	Injection well	5W20	E567,646.71 N135,959.94	Yes
200W	D	251		2902Z Building - High water tower steam trap.	0.02	Injection Well	5W20	E566,440.52 N135,737.54	Yes
200W	D	262	b	Condensate discharged to french drain 216-Z-14.	0.50	Injection Well	5W20	E566,479.73 N135,625.26	Yes
200W	D	468		DACS Trailer - HVAC - Condensate from 10 ton HVAC condenser.	< 0.01	Injection Well	5W20	E566,821.09 N134,638.33	Yes
200W	D	39		Laborer's Storage - Steam condensate.	0.05	Injection Well	5W20	E567,258.21 N135,833.50	Yes
200W	C	523		MO028 Building - Storm water run-off.	1.00	Injection Well	5D2	E567,258.76 N133,854.37	Yes
200W	D	45		MO716 Building - Steam condensate.	0.05	Injection Well	5W20	E567,270.25 N135,894.79	Yes

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200W	CD	44		MO716 Paint Shop - Steam condensate; also receives storm water run-off.	0.05	Injection Well	5D2, 5W20	E567,250.58 N135,889.89	Yes
200W	D	222	b	S/SX/SY/242S Complex - Steam condensate; steam condensate discharged year-round to caisson located within a surface contaminated area.	< 0.00	Injection Well	5W20	E566,902.16 N134,358.78	Yes
200W	D	221		S/SX/SY/242S Complex - Steam condensate; steam condensate discharges year-round from steam trap on live steam line.	< 0.00	Injection Well	5W20	E566,857.99 N134,619.23	Yes
200W	D	42		Skid Shack - Steam condensate.	0.05	Injection Well	5W20	E567,234.56 N135,858.34	Yes
200W	D	137		Steam Trap - 2Q-Yard-MSS-TRP-002 (formerly Steam trap #02) - Steam condensate.	< 1.00	Injection Well	5W20	E567,705.01 N135,798.57	Yes
200W	D	138	b	Steam Trap 2Q - Yard-MSS-TRP-003, 063 - Steam condensate discharged to french drain located on the perimeter of a surface contaminated area.	< 1.00	Injection Well	5W20	E567,751.60 N135,448.22	Yes
200W	D	139		Steam Trap 2Q - Yard-MSS-TRP-004.	< 1.00	Injection Well	5W20	E567,752.19 N135,213.56	Yes
200W	D	140		Steam Trap 2Q - Yard-MSS-TRP-005.	< 1.00	Injection Well	5W20	E567,677.37 N134,658.73	Yes
200W	D	141	b	Steam Trap 2Q - Yard-MSS-TRP-006- Steam condensate discharged to a french drain located on the perimeter of a surface contaminated area.	< 1.00	Injection Well	5W20	E567,645.86 N135,079.21	Yes
200W	D	142	b	Steam Trap 2Q - Yard-MSS-TRP-007- Steam condensate discharged to a french drain located on the perimeter of a surface contaminated area.	< 1.00	Injection Well	5W20	E567,569.94 N134,969.31	Yes
200W	D	143		Steam Trap 2Q - Yard-MSS-TRP-008.	< 1.00	Injection Well	5W20	E567,570.00 N134,944.93	Yes
200W	D	144		Steam Trap 2Q - Yard-MSS-TRP-009.	< 1.00	Injection Well	5W20	E567,432.79 N134,975.07	Yes
200W	D	145	b	Steam Trap 2Q - Yard-MSS-TRP-014- Steam condensate discharged to a french drain that is located in a surface contaminated area.	< 1.00	Injection Well	5W20	E567,265.88 N134,688.19	Yes
200W	D	146	b	Steam Trap 2Q - Yard-MSS-TRP-015, 064 - Steam condensate.	< 1.00	Injection Well	5W20	E567,266.58 N134,404.78	Yes
200W	D	147		Steam Trap 2Q - Yard-MSS-TRP-016.	< 1.00	Injection Well	5W20	E567,267.39 N134,102.70	Yes

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200W	D	148		Steam Trap 2Q - Yard-MSS-TRP-017.	< 1.00	Injection Well	5W20	E567,374.48 N133,880.51	Yes
200W	D	136		Steam Trap 2Q - Yard-MSS-TRP-023.	< 1.00	Injection Well	5W20	E567,628.75 N135,828.85	Yes
200W	D	134		Steam Trap 2Q - Yard-MSS-TRP-024.	< 1.00	Injection Well	5W20	E567,522.16 N135,798.11	Yes
200W	D	135		Steam Trap 2Q - Yard-MSS-TRP-025.	< 1.00	Injection Well	5W20	E567,461.22 N135,797.96	Yes
200W	D	132		Steam Trap 2Q - Yard-MSS-TRP-026, 027.	< 1.00	Injection Well	5W20	E567,445.98 N135,797.92	Yes
200W	D	128		Steam Trap 2Q - Yard-MSS-TRP-028.	< 1.00	Injection Well	5W20	E567,339.32 N135,797.66	Yes
200W	D	129		Steam Trap 2Q - Yard-MSS-TRP-029.	< 1.00	Injection Well	5W20	E567,125.98 N135,797.17	Yes
200W	D	130		Steam Trap 2Q - Yard-MSS-TRP-030.	< 1.00	Injection Well	5W20	E567,004.11 N135,796.92	Yes
200W	D	131		Steam Trap 2Q - Yard-MSS-TRP-031.	< 1.00	Injection Well	5W20	E566,730.03 N135,796.18	Yes
200W	D	120		Steam Trap 2Q - Yard-MSS-TRP-037.	< 1.00	Injection Well	5W20	E567,397.70 N136,821.79	Yes
200W	D	121		Steam Trap 2Q - Yard-MSS-TRP-038.	< 1.00	Injection Well	5W20	E567,398.19 N136,623.70	Yes
200W	D	122		Steam Trap 2Q - Yard-MSS-TRP-039.	< 1.00	Injection Well	5W20	E567,398.50 N136,495.70	Yes
200W	D	123		Steam Trap 2Q - Yard-MSS-TRP-040.	< 1.00	Injection Well	5W20	E567,398.95 N136,306.75	Yes
200W	D	124		Steam Trap 2Q - Yard-MSS-TRP-041.	< 1.00	Injection Well	5W20	E567,399.14 N136,227.52	Yes
200W	D	125		Steam Trap 2Q - Yard-MSS-TRP-042, 043.	< 1.00	Injection Well	5W20	E567,430.08 N136,035.59	Yes

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200W	D	127		Steam Trap 2Q - Yard-MSS-TRP-044.	< 1.00	Injection Well	5W20	E567,399.82 N135,974.58	Yes
200W	D	160		Steam Trap 2Q - Yard-MSS-TRP-045.	< 1.00	Injection Well	5W20	E567,673.39 N136,243.41	Yes
200W	D	159		Steam Trap 2Q - Yard-MSS-TRP-046.	< 1.00	Injection Well	5W20	E567,643.47 N136,036.11	Yes
200W	D	158		Steam Trap 2Q - Yard-MSS-TRP-047.	< 1.00	Injection Well	5W20	E567,582.52 N136,035.96	Yes
200W	D	149		Steam Trap 2Q - Yard-MSS-TRP-048.	< 1.00	Injection Well	5W20	E567,506.27 N136,035.78	Yes
200W	D	150		Steam Trap 2Q - Yard-MSS-TRP-050.	< 1.00	Injection Well	5W20	E567,704.60 N135,966.18	Yes
200W	D	151		Steam Trap 2Q - Yard-MSS-TRP-051.	< 1.00	Injection Well	5W20	E567,827.78 N135,451.46	Yes
200W	D	152		Steam Trap 2Q - Yard-MSS-TRP-052.	< 1.00	Injection Well	5W20	E567,873.49 N135,451.57	Yes
200W	D	153		Steam Trap 2Q - Yard-MSS-TRP-053.	< 1.00	Injection Well	5W20	E567,954.29 N136,046.64	Yes
200W	D	154		Steam Trap 2Q - Yard-MSS-TRP-054.	< 1.00	Injection Well	5W20	E567,948.30 N136,006.40	Yes
200W	D	157		Steam Trap 2Q - Yard-MSS-TRP-055.	< 1.00	Injection Well	5W20	E567,948.22 N136,036.87	Yes
200W	D	155		Steam Trap 2Q - Yard-MSS-TRP-056.	< 1.00	Injection Well	5W20	E567,948.11 N136,079.54	Yes
200W	D	156		Steam Trap 2Q - Yard-MSS-TRP-057.	< 1.00	Injection Well	5W20	E567,978.57 N136,085.71	Yes
200W	D	646		Steam Trap 2Q-Yard-MSS-TRP-058 - Steam condensate.	< 0.01	Injection well	5W20	E567,978.48 N136,124.41	Yes
200W	D	647		Steam Trap 2Q-Yard-MSS-TRP-059 - Steam condensate.	< 0.01	Injection well	5W20	E567,932.95 N136,052.07	Yes

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200W	D	648		Steam Trap 2Q-Yard-MSS-TRP-060 - Steam condensate.	< 0.01	Injection well	5W20	E567,735.05 N135,975.40	Yes
200W	D	649		Steam Trap 2Q-Yard-MSS-TRP-061 - Steam condensate.	< 0.01	Injection well	5W20	E567,917.78 N136,021.56	Yes
200W	D	650		Steam Trap 2Q-Yard-MSS-TRP-062 - Steam condensate.	< 0.01	Injection well	5W20	E567,917.71 N136,052.04	Yes
200W	D	261	b	Steam Turbine - Condensate discharged to french drain 216-Z-13.	0.50	Injection Well	5W20	E566,498.13 N135,582.02	Yes
200W	D	263	b	Steam Turbine - Condensate discharged to french drain 216-Z-15.	1.00	Injection Well	5W20	E566,465.27 N135,560.90	Yes
200W	D	83		Steam trap condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E567,805.46 N135,969.78	Yes
200W	D	84		Steam trap condensate; batch discharged during winter.	< 5.00	Injection Well	5W20	E567,805.46 N135,969.78	Yes
200W	D	640		W-15 Sheet Metal Shop - Kaiser Construction Yard - HVAC condensate.	0.05	Injection well	5W20	E567,288.00 N135,910.00	Yes
200W	D	46		W-15 Sheet Metal Shop - Steam condensate.	0.05	Injection Well	5W20	E567,288.90 N135,910.66	Yes
200W	D	40		W-18 Insulator's Shop - Steam condensate.	0.05	Injection Well	5W20	E567,260.17 N135,829.82	Yes
200W	D	41		W-18 Insulator's Shop - Steam condensate.	0.05	Injection Well	5W20	E567,266.00 N135,829.80	Yes
200W	D	43		W-20 Pipefitter's Shop - Steam condensate.	0.05	Injection Well	5W20	E567,245.58 N135,862.94	Yes
200W	D	638		W-27 Pipefitter's Shop - Kaiser Construction Yard - Steam condensate.	0.05	Injection well	5W20	E567,228.00 N135,828.00	Yes
200W	D	639		W-27 Pipefitter's Shop - Kaiser Construction Yard - Steam condensate.	0.05	Injection well	5W20	E567,228.00 N135,835.00	Yes
200W	D	38		W-27 Pipefitter's Shop and W-26 Carpenter's Shop - Steam condensate.	0.01	Injection Well	5W20	E567,235.32 N135,837.10	Yes

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300	D	495		303C Building - Steam condensate from main header.	< 0.01	Injection Well	5W20	E593,867.00 N115,920.40	Yes
300	D	267		303J Building - HVAC condensate.	< 0.01	Injection Well	5W20	E593,979.07 N116,074.44	Yes
300	D	266		303J Building - Steam condensate mud leg, (part of 300 main supply).	< 0.50	Injection Well	5W20	E593,979.42 N116,050.82	Yes
300	D	415		305 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,771.95 N116,214.36	Yes
300	D	416		305 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,763.23 N116,185.59	Yes
300	D	417		305 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,720.12 N116,194.71	Yes
300	D	451		305 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,739.16 N116,194.99	Yes
300	D	449		305B Building - Steam condensate.	0.00	Injection Well	5W20	E593,706.34 N116,146.65	Yes
300	C	458		305B Building - Storm water run-off. Two catch basins feed an underground pipe that drains to the ground. Catch basins each have an overflow to the process sewer.	< 0.50	Injection Well with overflow to process sewer	5D2	E593,715.85 N116,146.79	Yes
300	D	454		306E Building - HVAC condensate.	< 0.01	Injection Well	5W20	E594,057.72 N116,154.84	Yes
300	D	418		306W Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,983.14 N116,133.57	Yes
300	C	404		308 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E594,173.34 N115,815.16	Yes
300	C	405		308 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E594,163.77 N115,819.59	Yes
300	C	406		308 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E594,116.34 N115,805.18	Yes
300	CD	445		309 Building - Storm water run-off and water from chiller.	< 0.01	Injection Well #20	5D2, 5W20	E594,113.70 N115,647.80	Yes

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300	C	450		309 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E594,113.28 N115,680.93	Yes
300	C	457		313 Building - Storm water run-off. Dry well fed by a system of six catch basins in and around 313 Building parking lot.	< 0.50	Injection Well	5D2	E593,880.63 N116,292.06	Yes
300	A	350		320 Building - French drain receives effluent from irrigation lines when lines are evacuated during the fall.	< 0.10	Injection Well	5F1	E593,768.26 N115,509.36	Yes
300	A	626		320 Building - French drain receives effluent from irrigation lines when lines are evacuated during the fall.	< 0.10	Injection Well	5F1	E593,774.26 N115,509.36	Yes
300	A	627		320 Building - French drain receives effluent from irrigation lines when lines are evacuated during the fall.	< 0.10	Injection Well	5F1	E593,779.26 N115,509.36	Yes
300	A	628		320 Building - French drain receives effluent from irrigation lines when lines are evacuated during the fall.	< 0.10	Northeast of 320 Building	5F1	E593,782.26 N115,509.36	Yes
300	D	370		321 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,777.37 N115,875.96	Yes
300	D	371		321 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,772.68 N115,852.42	Yes
300	D	372		321 Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #35	5W20	E593,810.79 N115,862.43	Yes
300	D	348		321 Building - Vent valve on water line.	< 0.01	Injection Well	5W20	E593,769.59 N115,855.42	Yes
300	D	453		323 Building - Steam condensate.	< 0.01	Injection Well	5D2	E593,782.92 N115,809.44	Yes
300	C	425		324/336 Building - Storm water run-off.	< 0.05	Injection Well	5D2	E594,397.93 N115,752.15	Yes
300	C	264		325 Building - Rain water from leaky roof.	< 0.01	Injection Well	5D2	E594,006.82 N115,817.66	Yes
300	D	265		325 Building - Steam condensate; discharged to dry well.	< 0.50	Injection Well No. 399-3	5W20	E594,006.64 N115,830.24	Yes
300	D	353		328 Building - French drain; steam condensate.	< 0.01	Injection Well	5W20	E594,019.89 N115,889.11	Yes

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300	D	513		331 Building - Steam condensate.	< 1.00	Injection Well	5W20	E594,497.41 N115,462.89	Yes
300	D	574		331 Building - Steam condensate.	< 0.05	Injection Well	5W20	E594,471.01 N115,403.31	Yes
300	C	447		331 Building - Storm water run-off.	< 0.01	Injection Well #34	5D2	E594,436.96 N115,376.29	Yes
300	C	448		331 Building - Storm water run-off.	< 0.01	Injection Well #37	5D2	E594,492.98 N115,453.32	Yes
300	C	456		333 Building - Storm water run-off.	< 0.50	Injection Well with an overflow to process sewer	5D2	E593,996.58 N116,179.49	Yes
300	C	455		333 Building - Storm water run-off. Drywell is below grade, draining a network of four catch basins. Drywell is approximately 60 feet north of 333 Building.	< 0.50	Injection Well	5D2	E593,966.33 N116,293.32	Yes
300	C	516		337 Building - Storm water run-off.	1.00	Injection Well	5D2	E594,527.73 N115,682.43	Yes
300	D	428		340 Building - (P-3 pump pit) pump leaks.	< 0.01	Injection Well	5A19	E594,174.96 N115,898.46	Yes
300	D	341		340 Building - Steam condensate and cooling water.	< 0.01	Injection Well	5W20	E594,149.53 N115,917.37	Yes
300	D	427		340A Building - Steam condensate.	< 0.01	Injection Well #43	5W20	E594,207.04 N115,938.73	Yes
300	D	426		340B Building - Hose flush water.	< 0.01	Injection Well	5W20	E594,171.59 N115,951.53	Yes
300	D	381		3506A Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,847.11 N115,977.25	Yes
300	D	382		3506A Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,856.62 N115,977.39	Yes
300	C	403		3621D Building - Storm water run-off.	< 0.05	Injection Well #26	5D2	E594,337.48 N115,665.16	Yes
300	D	401	c	3621D Building - Cooling water from emergency generator diesel engines.	< 0.01	Injection Well	5A19	E594,372.43 N115,671.77	Yes

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**Table 5-2. Miscellaneous Streams Inventory
Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
300	D	402	c	3621D Building - Cooling water from emergency generator diesel engines.	< 0.01	Injection Well	5A19	E594,372.48 N115,668.72	Yes
300	D	653	c	366 Building - Steam Trap 2G-Yard-LPD-TRP-054 off steam lines on top of the fuel bunker. There is a potential for fuel oil to contaminate the steam condensate.	< 0.01	Injection well	5W20	E593,940.36 N116,046.00	Yes
300	D	342	c	366 Building, fuel oil bunker loading station - Steam trap 2G-Yard-LPD-TRP-55, 56 - potential for fuel oil to contaminate discharge.	< 0.01	Injection Well	5W20	E593,963.98 N116,052.12	Yes
300	D	344	c	366 Building, fuel oil bunker loading station - Steam trap 2G-Yard-LPD-TRP-53, 57, 58 - there is a potential for fuel oil to contaminate the steam condensate.	< 0.10	Injection Well	5W20	E593,940.36 N116,051.77	Yes
300	D	346		3702 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,743.42 N115,904.11	Yes
300	D	431		3703 Building - Steam condensate.	< 0.01	Injection Well #9	5W20	E593,690.22 N116,284.34	Yes
300	C	410		3705 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E593,712.03 N116,070.53	Yes
300	C	411		3705 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E593,688.41 N116,070.19	Yes
300	C	412		3705 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E593,712.45 N116,041.98	Yes
300	C	413		3705 Building - Storm water run-off.	< 0.01	Injection Well	5D2	E593,688.83 N116,041.63	Yes
300	CD	515		3706 Building - Discharge point for fire sprinkler system water, consisting of a half inch relief line and a two inch main line.	< 1.00	Injection Well	5D2, 5W20	E593,761.42 N115,976.00	Yes
300	D	356		3706 Building - Steam condensate.	< 0.05	Injection Well with overflow to process sewer.	5W20	E593,809.05 N115,976.70	Yes
300	D	357		3706 Building - Steam condensate.	< 0.05	Injection Well with overflow to process sewer.	5W20	E593,752.16 N115,956.82	Yes

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Injection Well Registration.**

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300	D	358		3706 Building - Steam condensate.	< 0.05	Injection Well with overflow to process sewer.	5W20	E593,752.44 N115,937.77	Yes
300	D	360		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,780.70 N115,960.28	Yes
300	D	361		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,780.79 N115,954.19	Yes
300	D	362		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,785.32 N115,957.30	Yes
300	D	365		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,751.88 N115,975.86	Yes
300	D	366		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,770.93 N115,976.14	Yes
300	D	367		3706 Building - Steam condensate.	< 0.01	Injection Well #27.	5W20	E593,818.77 N115,962.36	Yes
300	D	368		3706 Building - Steam condensate.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,819.11 N115,938.74	Yes
300	D	369		3706 Building - Steam condensate.	< 0.01	Injection Well #30.	5W20	E593,724.02 N115,927.84	Yes
300	D	438		3706 Building - Steam condensate.	< 0.01	Injection Well #25	5W20	E593,714.41 N115,932.64	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
300	D	439		3706 Building - Steam condensate.	< 0.01	Injection Well #29	5W20	E593,775.00 N115,933.53	Yes
300	D	440		3706 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,742.37 N115,975.72	Yes
300	C	359		3706 Building - Storm water run-off.	< 0.05	Injection Well #22	5D2	E593,713.79 N115,975.30	Yes
300	C	363		3706 Building - Storm water run-off.	< 0.01	Injection Well with overflow to process sewer.	5D2	E593,777.70 N115,957.19	Yes
300	C	364		3706 Building - Storm water run-off.	< 0.01	Injection Well with overflow to process sewer.	5D2	E593,774.65 N115,957.14	Yes
300	D	432		3706A Building - Steam condensate.	< 0.01	Injection Well #28	5W20	E593,819.25 N115,929.23	Yes
300	D	325		3707B Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,838.28 N115,958.07	Yes
300	D	327		3707B Building - Steam condensate.	< 0.01	Injection Well, Labelled as F, D. #14	5W20	E593,833.57 N115,967.51	Yes
300	D	328		3707B Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,824.03 N115,967.37	Yes
300	D	430		3707B Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,742.24 N115,985.17	Yes
300	D	326		3707B Building - Steam condensate; currently inactive.	< 0.01	Injection Well	5W20	E593,838.14 N115,967.58	Yes
300	D	179		3707C Building - Steam condensate.	0.10	Injection Well #24	5W20	E593,699.96 N115,918.74	Yes
300	D	178		3707C Building - Steam condensate.	0.10	Injection Well #23	5W20	E593,707.33 N115,975.21	Yes

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300	D	335		3707C Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #4	5W20	E593,695.02 N115,955.98	Yes
300	D	336		3707C Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #31	5W20	E593,698.43 N115,918.72	Yes
300	D	337		3707C Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,701.23 N115,975.12	Yes
300	D	443		3707D Building - Steam condensate.	< 0.01	Injection Well #10	5W20	E593,874.72 N116,044.56	Yes
300	C	441		3707D Building - Storm drain.	< 0.01	Injection Well	5D2	E593,874.30 N116,073.06	Yes
300	C	442		3707D Building - Storm drain.	< 0.01	Injection Well	5D2	E593,893.35 N116,073.33	Yes
300	D	423		3708 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,851.31 N116,029.89	Yes
300	D	338		3709 Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #3	5W20	E593,685.24 N115,974.89	Yes
300	D	347		3709A Building - Air compressor blowdown.	< 0.01	Injection Well	5W20	E593,679.12 N115,741.63	Yes
300	D	355		3709A Building - Steam trap.	< 0.01	Injection Well	5W20	E593,683.76 N115,737.12	Yes
300	D	343		3711 Building - Steam condensate.	< 0.01	Injection Well	5W20	E594,027.10 N116,046.18	Yes
300	D	433		3711 Building - Steam condensate.	< 0.01	Injection Well	5W20	E594,032.01 N116,022.63	Yes
300	D	351		3712 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,925.75 N116,149.86	Yes
300	D	437		3712 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,911.04 N116,165.65	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (metes)	218
300	CD	333		3713 Building - Steam condensate and storm water.	< 0.02	Injection Well, Labelled as F. D. #7	5W20	E593,71233 N116,07453	Yes
300	D	435		3713 Building - Steam condensate from 300 Area main line..	< 0.01	Injection Well #21	5W20	E593,70786 N116,03137	Yes
300	D	512		3713 Building - Steam condensate.	< 1.00	Injection Well	5W20	E593,71243 N116,03144	Yes
300	CD	544		3713 Building - Storm water and steam condensate.	< 1.00	Injection Well	5W20	E593,73152 N116,06137	Yes
300	D	434		3714 Building - Steam condensate.	< 0.01	Injection Well	5W20	E594,04105 N115,80171	Yes
300	D	329		3717 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,81171 N115,99181	Yes
300	D	330		3717 Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #44	5W20	E593,83132 N115,99116	Yes
300	D	324		3717 Building - Steam trap line on main header.	< 0.01	Injection Well #13	5W20	E593,77162 N115,99126	Yes
300	C	545		3717 Building - Storm water.	< 1.00	Injection Well	5D2	E593,80170 N116,00031	Yes
300	D	323		3717B Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,80103 N116,04124	Yes
300	D	340		3718 Building - Steam condensate.	< 0.01	Injection Well, Labelled as F. D. #40	5W20	E594,09121 N115,94136	Yes
300	D	436		3722 Building - Steam condensate.	< 0.01	Injection Well #6	5W20	E593,74155 N116,07102	Yes
300	D	383		3730 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,84101 N115,92404	Yes
300	D	420		3730 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,84245 N115,95113	Yes

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Injection Well Registration.**

Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
300	D	421		3730 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,856.67 N115,948.83	Yes
300	CD	269		3731 Building - Roof storm water run-off and steam condensate.	< 0.50	Injection Well	5D2	E594,132.25 N116,019.53	Yes
300	C	517		3731 Building - Storm water run-off.	< 1.00	Injection Well	5D2	E594,132.21 N116,022.34	Yes
300	C	518		3731 Building - Storm water run-off.	< 1.00	Injection Well	5D2	E594,132.39 N116,010.03	Yes
300	D	349		3732 Building - Steam condensate from quench tank.	< 0.01	Injection Well	5W20	E593,831.79 N116,034.94	Yes
300	D	419		3732 Building - Steam condensate.	< 0.01	Injection Well #15	5W20	E593,831.24 N116,072.27	Yes
300	D	334		3734 Building - Steam condensate from main header.	< 0.01	Injection Well, Labelled as F. D. #8	5W20	E593,683.77 N116,075.15	Yes
300	D	519		3734A Building - Steam condensate.	< 1.00	Injection Well	5W20	E593,679.76 N116,036.53	Yes
300	D	397		3745 Building - Steam condensate.	< 0.05	Injection Well #1	5W20	E593,729.01 N115,899.33	Yes
300	D	398		3745 Building - Steam condensate.	< 0.05	Injection Well #5	5W20	E593,729.43 N115,870.68	Yes
300	D	399		3745 Building - Steam condensate.	< 0.05	Injection Well #2	5W20	E593,725.07 N115,856.60	Yes
300	D	491		3762 Building - Steam condensate.	< 0.01	Injection Well #42	5W20	E594,095.41 N115,933.28	Yes
300	D	345		3765 Building - HVAC condensate.	< 0.01	Injection Well	5W20	E594,280.97 N115,621.36	Yes
300	D	446		377 Building - Steam condensate.	< 0.05	Injection Well #36	5W20	E593,653.66 N116,174.53	Yes
300	C	373		3790 Building - Receives storm water.	< 0.01	Injection Well	5W20	E594,019.24 N115,594.20	Yes

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Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
300	C	375		3790 Building - Receives storm water.	< 0.01	Injection Well, Labelled as F. D. #16	5W20	E594,018.89 N115,617.82	Yes
300	C	376		3790 Building - Receives storm water.	< 0.01	Injection Well, Labelled as F. D. #17	5W20	E594,019.03 N115,608.32	Yes
300	C	377		3790 Building - Receives storm water.	< 0.01	Injection Well, Labelled as F. D. #18	5W20	E594,018.55 N115,641.44	Yes
300	C	378		3790 Building - Receives storm water.	< 0.01	Injection Well, Labelled as F. D. #19	5W20	E594,052.41 N115,618.31	Yes
300	C	374		3790 Building - Storm water.	< 0.01	Injection Well	5D2	E594,018.69 N115,631.93	Yes
300	C	514		3790 Building - Storm water.	0.01	Injection Well	5D2	E594,019.17 N115,598.77	Yes
300	D	429		382 Building - Steam condensate.	< 0.01	Injection Well	5W20	E593,885.37 N115,968.27	Yes
300	D	400		MO010 Building - Steam condensate.	< 0.05	Injection Well	5W20	E593,725.43 N115,832.59	Yes
300	D	331		Steam condensate from 300 Area main header steam trap.	< 0.01	Injection Well	5W20	E593,801.87 N116,100.40	Yes
300	D	414		Steam condensate from 300 Area main steam header.	< 0.01	Injection Well with overflow to process sewer.	5W20	E593,814.86 N116,062.58	Yes
300	D	339		Steam condensate; trap off of main 300 area steam line.	< 0.01	Injection Well, Labelled as F. D. #26	5W20	E593,802.66 N116,052.80	Yes
300	D	444		Steam condensate; trap off of main 300 area steam line.	< 0.01	Injection Well #12	5W20	E593,828.79 N116,068.73	Yes
300	D	332		West high tank overflow and steam condensate trap.	< 0.01	Injection Well	5W20	E594,037.19 N116,008.63	Yes

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3000	D	49		1240 Building steam condensate and welding torch cooling water (sanitary, closed system).	< 0.00	Injection Well	5A19, 5W20	E594,061.63 N111,424.42	Yes
400	C	37		403 FSF - Effluent consists of rainwater.	< 0.01	Injection Well	5D2	E587,648.59 N123,216.67	Yes
400	CD	19	c	408 South dump heat exchanger and 491-W Heat Transport Building, west side - Effluent originates from rainwater and rheostat water. Contains nonregulated quantities of sodium carbonate.	< 0.01	Injection Well #05	5D4, 5W20	E587,539.32 N123,055.90	Yes
400	C	17		408A East dump heat exchanger - Effluent consists of rainwater.	< 0.01	Injection Well #03	5D2	E587,701.33 N123,081.87	Yes
400	C	20		408C West dump heat exchanger - Effluent originates from rainwater.	< 0.01	Injection Well #06	5D2	E587,531.66 N123,071.00	Yes
400	C	26		453B Switch Gear Pad - Effluent originates from rainwater.	< 0.01	Injection Well #11	5D2	E587,544.84 N123,043.00	Yes
400	C	27		453C Switch Gear Pad - Effluent originates from rainwater.	< 0.01	Injection Well #07	5D2	E587,559.50 N123,143.91	Yes
400	CD	16		4621E Auxiliary Equipment Building - Water condensate from HVAC system and rain water.	< 0.01	Injection Well #02	5D2, 5W20	E587,665.47 N123,160.26	Yes
400	CD	21		4621W Auxiliary Equipment Building - Condensate from HVAC coolers, water from roof and floor drains.	< 0.01	Injection Well #07	5D2, 5W20	E587,559.50 N123,142.38	Yes
400	D	22		4621W Auxiliary Equipment Building - Effluent has potential to receive condensate from HVAC coolers.	< 0.01	Injection Well #08	5W20	E587,566.43 N123,173.79	Yes
400	D	15		4703 Building (FFTF Control Building) - Condensate from HVAC system.	< 0.01	Injection Well #1B	5W20	E587,639.23 N123,184.04	Yes
400	D	33		4713B Building - Employee sink.	< 0.01	Injection Well	5W20	E587,481.15 N123,041.00	Yes
400	C	469		4713B Building - Storm water run-off from paved area.	< 0.50	Injection Well	5D2	E587,440.35 N123,030.22	Yes
400	D	14		4717 Reactor Service Building - Condensate from HVAC system.	< 0.01	Injection Well #1A	5W20	E587,629.18 N123,184.01	Yes
400	C	28		4721 Gas Turbine Building - Effluent originates from rainwater.	< 0.01	Injection Well	5D2	E587,488.79 N123,147.68	Yes

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Area	Source water	Stream No.	Note	Process description	Flow (gpm)	Disposal Structure	Well code	Washington State planar coordinates (meters)	218
400	D	29		4722C Building - originates from a water heater.	< 0.01	Injection Well	5W20	E587,469.30 N122,914.40	Yes
400	A	34		480A Pump house. Pump packing leakage; effluent consists of well water from well pump P-14.	< 0.01	Injection Well	5A19	E587,503.19 N123,458.55	Yes
400	A	35		480B Pumphouse - Pump packing leakage; effluent consists of well water from well pump P-15.	< 0.01	Injection Well	5A19	E587,652.51 N123,458.96	Yes
400	A	36		480D Pumphouse - Pump packing leakage; effluent consists of well water from well pump P-16.	< 0.01	Injection Well	5A19	E587,523.54 N123,293.32	Yes
400	D	23		481 Pumphouse - Sanitary water from pump seal leaks, salt water from water softener regeneration.	< 0.10	Injection Well #09	5A19	E587,521.42 N123,163.40	Yes
400	C	25		482A Building - T-58 Water Storage Tank and Equipment Room - Rainwater off water storage tank.	< 0.01	Injection Well #10	5D2	E587,516.25 N123,181.09	Yes
400	C	24		482A Building - T-87 Water Storage and Tank Equipment Room - Rainwater off water storage tank.	< 0.01	Injection Well #10A	5D2	E587,546.28 N123,186.17	Yes
400	CD	18	c	491E Heat Transport Building, east side - Effluent originates from rainwater off roof of HTS-E and condensate from HVAC system. Consists of rheostat water and nonregulated quantities of sodium carbonate.	< 0.01	Injection Well #04	5D4, 5W20	E587,655.13 N123,053.66	Yes
400	C	31		Altitude Valve Pit T-58 - Effluent consists of rainwater.	< 0.01	Injection Well	5D2	E587,560.07 N120,438.71	Yes
400	C	32		Altitude Valve Pit T-87 - Effluent consists of rainwater.	< 0.01	Injection Well	5D2	E587,529.60 N120,438.63	Yes
400	C	30		Altitude Valve T-330 - Effluent consists of rainwater.	< 0.01	Injection Well	5D2	E589,368.92 N123,193.88	Yes

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