

Environmental Radiological Survey Summary

Calendar Year 2015, Fourth Quarter

Hanford Site 100, 200, 300, and 600 Areas

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management
Contractor for the U.S. Department of Energy
under Contract DE-AC06-09RL14728



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Acronyms

ALARA	as low as reasonably achievable
CA	contamination area
CFR	Code of Federal Regulations
CHPRC	CH2M HILL Plateau Remediation Company
cm ²	square centimeter
cpm	counts per minute
CX	categorical exclusions
CY	calendar year
DOE-RL	U.S. Department of Energy Richland Operations Office
dpm	disintegrations per minute
ERDF	Environmental Restoration Disposal Facility
ETF	200 Area Effluent Treatment Facility
IBC	Integrated Biological Control Program
LERF	Liquid Effluent Treatment Facility
mrad/hr	millirad (radiation-absorbed dose) per hour
MSA	Mission Support Alliance, LLC
NEPA	National Environmental Policy Act of 1969
PA	probe area
RA	radiation area
RCCP	River Corridor Cleanup Project
RCW	Revised Code of Washington
SWCX	site-wide categorical exclusions
URMA	underground radioactive material area
WAC	Washington Administrative Code
WCH	Washington Closure Hanford, LLC
WIDS	Waste Information Data System
WRPS	Washington River Protection Solutions, LLC
WSCF	Waste Sampling and Characterization Facility

1.0 INTRODUCTION

This quarterly report summarizes the radiological surveys performed on the Hanford Site in support of near-facility environmental monitoring. The survey results and the status of corrective actions required are also discussed in this report.

Routine radiological surveys are an integral part of the Hanford Site near-facility environmental monitoring for tracking facility and waste site status and to aid in the reduction of the radiological areas at the Hanford Site. Radiological Control Groups of Mission Support Alliance, LLC (MSA), CH2M HILL Plateau Remediation Company (CHPRC), Washington River Protection Solutions, LLC (WRPS), and Washington Closure Hanford, LLC (WCH) perform routine radiological surveys on the Hanford Site. The radiological surveys are performed at inactive waste sites, outdoor radiological control areas, tank farm perimeters (including diversion boxes, lift stations, and vent stations), perimeters of active or uncovered waste sites (such as burial grounds, retention basins, ponds, process trenches, and ditches), underground pipelines, and road surfaces.

The *Hanford Site Environmental Surveillance Master Sampling Schedule for Calendar Year 2015* (DOE/RL-2013-53 Rev 1), was developed by the MSA Environmental Surveillance staff and the MSA radiological control group, provides a schedule for the waste sites to be surveyed by MSA. Other Hanford contractors develop and maintain a schedule of waste site surveys their respective company performs. However, some waste sites are not accessible during the calendar year due to ongoing remediation activities. MSA Environmental Surveillance staff reviews and summarizes the radiological survey reports in the [Hanford Site Annual Environmental Report](#). Radiological conditions are also tracked and trends are noted for use by the facility managers and landlords. Newly discovered radioactive waste and unplanned release sites are added to the schedule as necessary. The survey frequencies are based on site history, radiological conditions, and general maintenance. Non-routine surveys may be conducted if conditions warrant (e.g., growth of deep-rooted vegetation is noted at a waste site). Radiological surveys are conducted to detect surface contamination and document changes in vegetation growth, biological intrusion, erosion, and site maintenance conditions. Survey data are compared with standards identified in MSC-OTHER-RC-5173, *MSC Radiological Control Manual*; CHPRC-00073, *CH2M HILL Plateau Remediation Company Radiological Control Manual*; and/or HNF-5183, *Tank Farms Radiological Control Manual*, as well as previous surveys to determine trends, assess environmental impact, and allow determination of where corrective actions are needed.

The Occurrence Reporting System is used to track legacy radioactive contamination greater than ten times the total contamination values in Title 10 Code of Federal Regulations (CFR) [Part 835](#), "Occupational Radiation Protection," Appendix D, and is found outside a posted Contamination Area (CA), High CA, Airborne Radioactivity Areas, Radiological Buffer Areas, and areas controlled in accordance with [10 CFR 835.1102\(c\)](#).

These radiological surveys are conducted to determine surface radiological conditions and do not constitute a release survey. Therefore, surveys that detect no contamination in radiological areas do not release the site from control, but may result in changing the posting status. Surveillance of

the active nuclear facilities, waste sites, and radiologically posted areas are the responsibility of the contractor those areas are assigned to.

2.0 PROGRAM DESCRIPTION

2.1 Environmental Radiological Survey Objectives

The objective of the radiological surveys is to determine whether there have been changes in the radiological status of the 100, 200, 300, and 600 Areas outdoor radioactive waste sites. These sites include surface water disposal units, cribs, trenches, burial grounds, tank farm diversion box perimeters, and reverse wells (refer to section 6.0 for the listing of waste sites). Determining trends in radiation levels or radiological contamination may aid in assessing the adequacy of waste containment by detecting the movement of radioactive material away from radiological control areas, or by detecting releases that might otherwise go unrecognized. When activity is detected, a thorough survey is performed using a portable count rate meter equipped with a thin-window, pancake-type probe. The appropriate facility manager or landlord is notified if contamination is identified and the responsible manager initiates corrective actions.

2.2 Priority Ranking System

A numerical ranking system is used for categorizing contaminated waste sites relative to environmental radiological concerns. This system provides guidance to responsible landlords for clean up or interim stabilization of waste sites. The waste site level and type of contamination, site accessibility and size, and contamination mobility are all used as a basis for review. A numerical value is assigned to each site based on this review.

Contamination levels ranging from 1,000 disintegrations per minute (dpm) to greater than 10 millirads per hour (mrad/hr) (as measured on field survey instruments) are considered and assigned a numerical value of one (lowest value) to five (greatest value). Any removable alpha contamination is considered a high priority and automatically receives a numerical rank value of five.

The location is evaluated for accessibility. A restricted site in a remote area would receive the lowest point value of one. They would progress up to a value of five where the public may have access.

Mobility scoring is based on contamination that can be, or has a history of being, transported from where it was originally identified to places outside of the posted radiological area. Fixed contamination would receive a value of one progressing to contamination that can potentially be blown by the wind or through biological uptake and transport receiving a value of five. There is a maximum of 15 points possible with this ranking system.

It should be noted that this system is not intended to be a total qualitative or quantitative risk assessment, but rather a way of communicating environmental significance to the landlord and respective program office. Before a site is designated for remediation, other elements of the site

clean-up process are also considered such as costs, location, public/regulatory interest, risk assessments, and engineering strategies. Table 1 shows the top 10 ranked sites.

Table 1. Top 10 Priorities Ranking for Contaminated Waste Sites

Waste Site	Custodian	Levels	Location	Mobility
Liquid Effluent Retention Facility (LERF)	CHPRC/WRPS*	3	5	5
200-E-109 200 East Fence Line	CHPRC	3	4	5
218-E-12B Burial Ground	CHPRC	4	3	5
218-E-12A Burial Ground	CHPRC	4	3	5
216 BC Cribs/Controlled Area	CHPRC	4	3	5
216-U-10 Pond	CHPRC	4	3	4
241-B Tank Farm	WRPS	5	1	5
241-SX/SY Tank Farm	WRPS	3	4	4
241-BX/BY Tank Farm	WRPS	5	1	5
241-C Tank Farm	WRPS	5	1	5

* Contractor change in first quarter calendar year 2015

2.3 Environmental Standards

Radiological survey data are used to determine compliance of radioactive waste sites with MSC-PRO-EI-15334, *Effluent and Environmental Monitoring*, and MSC-RD-15332, *Environmental Protection Requirements*, for MSA monitored sites; TFC-ESHQ-RP-MON-P-10, *Required Radiological Surveillances*, for WRPS managed sites; PRC-RD-EP-15332, *Environmental Protection Requirements*, and PRC-PRO-EP-15334, *Effluent and Environmental Monitoring for Radionuclide Airborne Emissions*, for CHPRC managed sites; and ENV-1, Chapter 1.9, *Environmental Monitoring and Management* for WCH managed sites.

In order to compare field instrument values with the standards listed in the contractor's radiological control manuals, a conversion factor is necessary. This conversion factor has been established using a Geiger-Mueller detector with a pancake type probe where 20,000 dpm (2,000 counts per minute [cpm]) are approximately equivalent to one millirem per hour for beta-emitting radionuclides as indicated in UCRL-88275, *Evaluation of Beta Energy (E max) and Spectral Type Using Survey Instruments*. It should be understood that converting field instrument values, which include both beta and gamma energies, is approximate for field reporting purposes and does not allow for absolute precision.

2.4 Survey Methods and Procedures

Surveys documented in this report include road surfaces, cribs, underground pipelines, stabilized burial grounds, covered ponds and ditches, tank farm perimeters, active burial ground perimeters, unplanned release sites, and other radiological areas. Vegetation, animal burrows, and animal feces are also monitored to detect biological transport when they are within the survey area.

Methods and procedures for these surveys can be found in PSRP-DI-0611, *Near-Facility Environmental Monitoring*; MSC-OTHER-RC-5173, *MSC Radiological Control Manual*; CHPRC-00073, *CH2M HILL Plateau Remediation Company Radiological Control Manual*; HNF-5183, *Tank Farms*

Radiological Control Manual; and WCH procedure, ENV-1, Chapter 2.35, *Environmental Monitoring and Management*.

Waste sites and other radiological areas are surveyed with portable site approved field instruments. The portable field instrument survey results are reported in disintegrations per minute per 100 centimeters² (dpm/100 cm²). Efficiency correction factors, as documented in the various contractor radiological control manual/procedures, are applied. These can vary between contractors, but are approved as part of each contractor's radiological control program. Surveys include the perimeter and portions of the ground surface of radiological areas. Wherever possible, smear surveys are made on the surface of exposed equipment and other hard surfaces within a radiological area.

3.0 RADIOLOGICAL SURVEY SUMMARY

A total of 27 contamination incidents were discovered in the fourth quarter of CY 2015. Contamination was discovered in 14 vegetation incidents, 10 animals or animal waste material, and 3 soil contamination discoveries. Contamination levels ranging from a low of 4,000 dpm/100 cm² beta/gamma to 720,000 dpm/ 100 cm² beta/gamma were reported. Of the 27 contamination incidents, 15 were discovered by CHPRC, 4 were discovered by WRPS, 6 were discovered by MSA and 2 were discovered by WCH. Of the 27 contamination incidents, 12 (9 vegetation, 1 animal and 2 soil) were found to be at levels that required reporting to the Occurrence Notification Center. Reportable contamination is contamination found with activity >50,000 dpm/100 cm² beta/gamma.

Contamination was removed for proper disposal at 21 of the 27 sites. The remaining 6 sites were posted. The radiologically contaminated areas are posted to meet the requirements as outlined in the respective contractor's radiological control manual. The posting includes the following categories: High Contamination (activity >100,000 dpm/100 cm² beta/gamma and/or >2,000 dpm/100 cm² alpha), Contamination, Soil Contamination, Underground Radioactive Material, Radiological Buffer, and Radiation and High Radiation areas. Table 2 summarizes CY2015 contamination incidents listed by discovering contractor, including responses and occurrence dates.

Table 2. Contamination Incidents by Discovering Contractor (CY 2015)

DATE	INCIDENT	CONTRACTOR	RESPONSE	REPORTABLE*
01/12/2015	Tumbleweed	MSA	Dispose	Yes
01/14/2015	Tumbleweed	MSA	Dispose	No
01/19/2015	Soil	MSA	Dispose	Yes
01/26/2015	Tumbleweed	MSA	Dispose	Yes
01/27/2015	Tumbleweed	MSA	Dispose	No
01/29/2015	Tumbleweed	MSA	Dispose	No
02/11/2015	Tumbleweed	CHPRC	Posted	Yes
02/11/2015	Tumbleweed	CHPRC	Posted	Yes
02/12/2015	Tumbleweed	MSA	Dispose	Yes

Table 2. Contamination Incidents by Discovering Contractor (CY 2015)

DATE	INCIDENT	CONTRACTOR	RESPONSE	REPORTABLE*
02/13/2015	Tumbleweed	MSA	Dispose	No
02/14/2015	Tumbleweed	MSA	Dispose	No
02/17/2015	Tumbleweed	MSA	Dispose	Yes
02/20/2015	Tumbleweed	MSA	Dispose	No
02/23/2015	Soil	CHPRC	Posted	Yes
02/23/2015	Rabbit Feces	WRPS	Dispose	Yes
02/24/2015	Soil	CHPRC	Posted	Yes
03/02/2015	Soil	CHPRC	Posted	Yes
03/02/2015	Soil	MSA	Posted	Yes
03/09/2015	Soil	CHPRC	Posted	Yes
03/13/2015	Insect - Mud Dauber nest	CHPRC	Posted	Yes
03/17/2015	Rabbit Feces	WRPS	Dispose	Yes
03/17/2015	Tumbleweed	MSA	Dispose	No
03/18/2015	Tumbleweed	WRPS	Dispose	Yes
03/18/2015	Rabbit Feces	WRPS	Posted	No
03/23/2015	Tumbleweed	MSA	Dispose	Yes
03/24/2015	Soil	WRPS	Dispose	Yes
04/07/2015	Soil	WCH	Posted	Yes
04/07/2015	Tumbleweed	MSA	Dispose	Yes
04/07/2015	Mouse	MSA	Dispose	Yes
04/08/2015	Soil	WCH	Posted	Yes
04/08/2015	Mouse	MSA	Dispose	No
04/13/2015	Tumbleweed	MSA	Dispose	Yes
04/13/2015	Coyote Feces	MSA	Dispose	No
04/15/2015	Tumbleweed	WRPS	Dispose	Yes
04/15/2015	Tumbleweed	MSA	Posted	Yes
04/20/2015	Ant mound	CHPRC	Dispose	No
04/22/2015	Bird Nest	WRPS	Dispose	Yes
04/22/2015	Tumbleweed	MSA	Dispose	No
04/22/2015	Tumbleweed	CHPRC	Dispose	Yes
04/23/2015	Tumbleweed	MSA	Dispose	Yes
04/23/2015	Bird Nest	WRPS	Dispose	No
04/23/2015	Tumbleweed	CHPRC	Dispose	No
04/28/2015	Tumbleweed	CHPRC	Posted	No
05/05/2015	Tumbleweed	MSA	Dispose	Yes
05/08/2015	Soil	WRPS	Posted	Yes
05/12/2015	Bird Nest	WRPS	Posted	Yes
05/12/2015	Feather	WRPS	Dispose	No
05/18/2015	Soil	WRPS	Dispose	Yes
05/18/2015	Pallet	WRPS	Dispose	Yes
05/18/2015	Insect-Mud Dauber nest	WCH	Dispose	Yes

Table 2. Contamination Incidents by Discovering Contractor (CY 2015)

DATE	INCIDENT	CONTRACTOR	RESPONSE	REPORTABLE*
05/19/2015	Soil	CHPRC	Posted	Yes
05/22/2015	Feather	WRPS	Dispose	Yes
06/03/2015	Soil	CHPRC	Dispose	No
06/09/2015	Soil	CHPRC	Dispose	Yes
06/16/2015	Bird Feces	CHPRC	Posted	No
06/16/2015	Tumbleweed	MSA	Dispose	Yes
06/16/2015	Soil	CHPRC	Posted	No
06/16/2015	Tumbleweed	WRPS	Dispose	Yes
06/17/2015	Mouse	CHPRC	Dispose	No
06/18/2015	Bird Nest	WRPS	Dispose	Yes
06/22/2015	Rocks	CHPRC	Dispose	Yes
07/06/2015	Bird Feces	WRPS	Dispose	No
07/10/2015	Tumbleweed	WRPS	Dispose	No
07/22/2015	Tumbleweed	CHPRC	Dispose	No
07/29/2015	Bird Feces	WRPS	Dispose	Yes
08/11/2015	Bird Feces	CHPRC	Dispose	No
08/12/2015	Mouse nest	CHPRC	Dispose	No
08/20/2015	Tumbleweed	CHPRC	Dispose	Yes
08/24/2015	Tumbleweed	CHPRC	Dispose	Yes
08/24/2015	Soil	CHPRC	Dispose	Yes
08/27/2015	Bird feces	CHPRC	Dispose	No
08/31/2015	Rabbit feces	WRPS	Posted	Yes
08/31/2015	Tumbleweed	WRPS	Dispose	Yes
09/01/2015	Bird Feces	CHPRC	Dispose	No
09/02/2015	Swallow nest	WRPS	Dispose	No
09/02/2015	Tumbleweed	CHPRC	Dispose	No
09/08/2015	Rabbit feces	WRPS	Dispose	No
09/09/2015	Rabbit feces	WRPS	Dispose	No
09/10/2015	Soil	CHPRC	Posted	No
09/10/2015	Rabbit feces	WRPS	Dispose	No
09/14/2015	Rabbit feces	WRPS	Dispose	No
09/15/2015	Bird feces	CHPRC	Dispose	No
09/16/2015	Tumbleweed	CHPRC	Dispose	No
09/17/2015	Rabbit feces	WRPS	Dispose	No
09/22/2015	Rabbit feces	WRPS	Dispose	No
09/23/2015	Rabbit feces	WRPS	Dispose	No
09/28/2015	Rabbit feces	WRPS	Dispose	No
09/29/2015	Rabbit feces	WRPS	Dispose	No
10/05/2015	Tumbleweed	CHPRC	Dispose	No
10/06/2015	Ant mound	CHPRC	Posted	Yes
10/06/2015	Tumbleweed	CHPRC	Dispose	Yes

Table 2. Contamination Incidents by Discovering Contractor (CY 2015)

DATE	INCIDENT	CONTRACTOR	RESPONSE	REPORTABLE*
10/08/2015	Tumbleweed	CHPRC	Dispose	Yes
10/08/2015	Soil	CHPRC	Posted	Yes
10/12/2015	Rabbitbrush	MSA	Dispose	No
10/12/2015	Tumbleweed	CHPRC	Posted	Yes
10/12/2015	Rabbit feces	WRPS	Dispose	No
10/13/2015	Rabbit feces	WRPS	Dispose	No
10/14/2015	Soil	MSA	Dispose	No
10/19/2015	Tumbleweed	CHPRC	Posted	Yes
10/19/2015	Bird feces	CHPRC	Dispose	No
10/28/2015	Bird feces	CHPRC	Dispose	No
11/02/2015	Bird feces	CHPRC	Dispose	No
11/02/2015	Mouse	MSA	Dispose	No
11/05/2015	Tumbleweed	CHPRC	Posted	Yes
11/09/2015	Tumbleweed	CHPRC	Posted	No
11/11/2015	Mouse feces	WRPS	Dispose	No
11/12/2015	Tumbleweed	CHPRC	Dispose	Yes
11/16/2015	Bird feces	CHPRC	Dispose	No
11/18/2015	Tumbleweed	CHPRC	Dispose	No
11/23/2015	Tumbleweed	MSA	Dispose	Yes
12/10/2015	Tumbleweed	MSA	Dispose	No
12/11/2015	Soil	WCH	Dispose	Yes
12/11/2015	Vegetation	WCH	Dispose	Yes
12/16/2015	Rabbit feces	WRPS	Dispose	No
12/30/2015	Tumbleweed	MSA	Dispose	Yes

*Threshold for reportable contamination is greater than 50,000 dpm/100cm² beta/gamma

While conducting radiological surveys, contaminated media were encountered and collected for analysis and/or disposal. Media found above action levels defined in the respective Contractor's radiological control manual are documented via the various contractor-reporting mechanisms such as Radiological Problem Reports, Problem Evaluation Requests, and/or Occurrence Reports. Table 3 summarizes the contamination found, location and the corresponding field readings.

Table 3. Summary of Report of Environmental Contamination Incidents (CY 2015)

Date	Description	Area	Location	Field Reading (Beta/Gamma)
01/12/15	Tumbleweed	200E	241-B Tank Farm Perimeter	60,000 dpm/100 cm ²
01/14/15	Tumbleweed	200E	Liquid Effluent Retention Facility (LERF) north perimeter fence	37,000 dpm/100 cm ²
01/19/15	Soil	200W	241-SX/SY Tank Farm north perimeter fence	50,000 dpm/100 cm ²
01/26/15	Tumbleweed	200W	241-U Tank Farm south perimeter fence near 16th & Cooper	70,000 dpm/100 cm ²
01/27/15	Tumbleweed	200E	241-BX/BY Tank Farm west perimeter fence	9,500 dpm/100 cm ²
01/29/15	Tumbleweed	200W	241-U Tank Farm near MO297	10,000 dpm/100 cm ²
02/11/15	Tumbleweed	200E	B/C Controlled Area crib 216-B-28	120,000 dpm/100 cm ²
02/11/15	Tumbleweed	200E	218-E-1 Burial Ground	1,000,000 dpm/100 cm ²

Table 3. Summary of Report of Environmental Contamination Incidents (CY 2015)

Date	Description	Area	Location	Field Reading (Beta/Gamma)
02/12/15	Tumbleweed	200E	241-B Tank Farm west fence line	200,000 dpm/100 cm ²
02/13/15	Tumbleweed	200W	200W Fence line at Cooper & 13th Ave	8,000 dpm/100 cm ²
02/14/15	Tumbleweed	200W	200W Fence line at Cooper & 13th Ave	2,000 dpm/100 cm ²
02/17/15	Tumbleweed	200E	241-BX/BY Tank Farm and near 244-VX Vault	100,000 dpm/100 cm ²
02/20/15	Tumbleweed	200E	200W Fence line at Cooper & 13th Ave	4,000 dpm/100 cm ²
02/23/15	Soil	200E	B/C Controlled Area	210,000 dpm/100 cm ²
02/23/15	Rabbit Feces	200E	241-C Tank Farm	50,000 dpm/100 cm ²
02/24/15	Soil	200E	B/C Controlled Area	600,000 dpm/100 cm ²
03/02/15	Soil	200E	B/C Controlled Area	360,000 dpm/100 cm ²
03/02/15	Soil	600	WIDS waste site 618-13	108,000 dpm/100 cm ²
03/09/15	Soil	200E	B/C Controlled Area	900,000 dpm/100 cm ²
03/13/15	Insect - Mud Dauber nest	100H	1713-H Pump & T	145,000 dpm/100 cm ²
03/17/15	Rabbit Feces	200W	241-SY Tank Farm	200,000 dpm/100 cm ²
03/17/15	Tumbleweed	200E	200-E-109	45,000 dpm/100 cm ²
03/18/15	Tumbleweed	200E	241-AY-2 Change Trailer	55,000 dpm/100 cm ²
03/18/15	Rabbit Feces	200E	241-AY-2 Change Trailer	25,000 dpm/100 cm ²
03/23/15	Tumbleweed	200W	241-TX/TY Tank Farm	60,000 dpm/100 cm ²
03/24/15	Soil	200E	241-AY Tank Farm	70,000 dpm/100 cm ²
04/07/15	Soil	100N	100-N-83 Waste Site	300,000 dpm/100 cm ²
04/07/15	Tumbleweed	200E	200 E Area perimeter fence line	150,000 dpm/100 cm ²
04/07/15	Mouse	200W	241-S/SX/SY Tank Farms	200,000 dpm/100 cm ²
04/08/15	Soil	600	618-11 Burial Ground	82,000 dpm/100 cm ²
04/08/15	Mouse	300	Water shed north of MO-162	2,500 dpm/100 cm ²
04/13/15	Tumbleweed	600	ModuTanks east of 200 E Area	250,000 dpm/100 cm ²
04/13/15	Coyote Feces	600	ModuTanks east of 200 E Area	7,000 dpm/100 cm ²
04/15/15	Tumbleweed	200E	241-C Tank Farm	323,000 dpm/100 cm ²
04/15/15	Tumbleweed	200E	218-E-12B Burial Ground	>1,000,000 dpm/100 cm ²
04/20/15	Ant Mound	200E	216-A-25	30,000 dpm/100 cm ²
04/22/15	Bird Nest	200E	Found on ground near south west side of 2025ED	130,940 dpm/100 cm ²
04/22/15	Tumbleweed	200W	200 W Perimeter fence / 10 th & Beloit	10,000 dpm/100 cm ²
04/22/15	Tumbleweed	200E	218-E-8	2,000,000 dpm/100 cm ²
04/23/15	Tumbleweed	200E	North east corner of 200 East area along Canton Ave.	400,000 dpm/100 cm ²
04/23/15	Bird Nest	200E	Effluent Treatment Facility	37,000 dpm/ 100 cm ²
04/23/15	Tumbleweed	200E	West Side of BX/BY Tank Farm	18,000 dpm/ 100 cm ²
04/28/15	Tumbleweed	200W	216-S-17 Pond	40,000 dpm / 100 cm ²
05/05/15	Tumbleweed	200W	234-5Z Plant west perimeter fence	400,000 dpm/100 cm ²
05/08/15	Soil	200E	244-AR	200,000 dpm/100 cm ²
05/12/15	Bird Nest	200E	Nest found on a man-lift near the 2025E building	70,000 dpm/100 cm ²
05/12/15	Feather	200E	Effluent Treatment Facility	11,880 dpm/100 cm ²
05/18/15	Soil	200W	241-SY Tank Farm	100,000 dpm/100 cm ²
05/18/15	Pallet	200W	222-S Laboratory	80,000 dpm/100 cm ²
05/18/15	Insect- Mud Dauber Nest	100H	Electrical Utility Pole in the 100 H Area	200,000 dpm/100 cm ²
05/19/15	Soil	200E	200-E-160-PL	100,000 dpm/100 cm ²
05/22/15	Feather	200E	Effluent Treatment Facility	57,000 dpm/100 cm ²
06/03/15	Soil	200E	WIDS UPR-200-E-69 B Plant Area	10,000 dpm/100 cm ²
06/09/15	Soil	200E	200-E-139	300,000 dpm/100 cm ²
06/16/15	Bird Feces	200E	Outside entrance of B plant	17,000 dpm/100 cm ²
06/16/15	Tumbleweed	200E	Effluent Treatment Facility	90,000 dpm/100 cm ²
06/16/15	Soil	200W	WIDS 218-A-4A	16,000 dpm/100 cm ²
06/16/15	Tumbleweed	200E	241-C Tank Farm	1,000,000 dpm/ 100 cm ²
06/17/15	Mouse	200W	271-T Plant	5,000 dpm/ 100 cm ²
06/18/15	Bird Nest	200E	Effluent Treatment Facility	70,000 dpm/ 100 cm ²
06/22/15	Rocks	200E	UPR-200-E-11	35,000 dpm/100 cm ²
07/06/15	Bird Feces	200E	Effluent Treatment Facility	24,000 dpm/100 cm ²

Table 3. Summary of Report of Environmental Contamination Incidents (CY 2015)

Date	Description	Area	Location	Field Reading (Beta/Gamma)
07/10/15	Tumbleweed	200W	UPR-200-W-135 East of TX-Farm	2,000 dpm/100 cm ²
07/22/15	Tumbleweed	200W	216-S-17 Pond	120,000 dpm/100 cm ²
07/29/15	Bird Feces	200E	Effluent Treatment Facility	65,000 dpm/100 cm ²
08/11/15	Bird Feces	200E	Modu-Tanks	45,000 dpm/100 cm ²
08/12/15	Mouse nest	200E	241-BY Tank Farm	20,000 dpm/100 cm ²
08/20/15	Tumbleweed	200E	218-E-12A Burial Ground	720,000 dpm/100 cm ²
08/24/15	Tumbleweed	200E	218-E-12A Burial Ground	1,200,000 dpm/100 cm ²
08/24/15	Soil	200E	218-E-12A Burial Ground	2,400,000 dpm/100 cm ²
08/27/15	Bird feces	200E	Modu-Tanks	18,000 dpm/100 cm ²
08/31/15	Rabbit feces	200E	242-A Evaporator	150,000 dpm/100 cm ²
08/31/15	Tumbleweed	200E	Effluent Treatment Facility	1,500,000 dpm/100 cm ²
09/01/15	Bird Feces	200E	Modu-Tanks	20,000 dpm/100 cm ²
09/02/15	Swallow nest	200E	242-A Evaporator	20,000 dpm/100 cm ²
09/02/15	Tumbleweed	200W	216-S-17 Pond	30,000 dpm/100 cm ²
09/08/15	Rabbit feces	200E	241-A Tank Farm	20,000 dpm/100 cm ²
09/09/15	Rabbit feces	200E	242-A Evaporator	15,000 dpm/100 cm ²
09/10/15	Soil	200W	UPR-200-W-19	46,000 dpm/100 cm ²
09/10/15	Rabbit feces	200E	242-A Evaporator	7,000 dpm/100 cm ²
09/14/15	Rabbit feces	200E	242-A Evaporator	30,000 dpm/100 cm ²
09/15/15	Bird feces	200E	Modu-Tanks	36,000 dpm/100 cm ²
09/16/15	Tumbleweed	200E	216-U-10 Pond	20,000 dpm/100 cm ²
09/17/15	Rabbit feces	200E	242-A Evaporator	25,000 dpm/100 cm ²
09/22/15	Rabbit feces	200E	242-A Evaporator	45,000 dpm/100 cm ²
09/23/15	Rabbit feces	200E	242-A Evaporator	25,000 dpm/100 cm ²
09/28/15	Rabbit feces	200E	242-A Evaporator	20,000 dpm/100 cm ²
09/29/15	Rabbit feces	200E	242-A Evaporator	20,000 dpm/100 cm ²
10/05/15	Tumbleweed	200E	UPR-200-E-83 URMA	48,000 dpm/100 cm ²
10/06/15	Ant mound	200W	216-T-25 Trench	300,000 dpm/100 cm ²
10/06/15	Tumbleweed	200W	216-T-25 Trench	240,000 dpm/100 cm ²
10/08/15	Tumbleweed	200W	218-W-4A Burial Ground	720,000 dpm/100 cm ²
10/08/15	Soil	200W	218-W-4A Burial Ground	100,000 dpm/100 cm ²
10/12/15	Rabbitbrush	100H	105-H Reactor Building	15,000 dpm/100 cm ²
10/12/15	Tumbleweed	200W	216-T-34 crib	360,000 dpm/100 cm ²
10/12/15	Rabbit feces	200E	242-A Evaporator	10,000 dpm/100 cm ²
10/13/15	Rabbit feces	200E	242-A Evaporator	22,000 dpm/100 cm ²
10/14/15	Soil	200E	EU Laydown Yard	48,000 dpm/100 cm ²
10/19/15	Tumbleweed	600	216-A-25, Gable Pond	90,000 dpm/100 cm ²
10/19/15	Bird feces	200E	Modu-Tanks	25,000 dpm/100 cm ²
10/28/15	Bird feces	200E	Modu-Tanks	29,000 dpm/100 cm ²
11/02/15	Bird feces	200E	Modu-Tanks	40,000 dpm/100 cm ²
11/02/15	Mouse	200E	conex container adjacent to 200-E/MO-414	4,000 dpm/100 cm ²
11/05/15	Tumbleweed	200W	216-S-17 Pond	120,000 dpm/100 cm ²
11/09/15	Tumbleweed	200W	216-S-17 Pond	36,000 dpm/100 cm ²
11/11/15	Mouse feces	200W	241-T Tank Farm	60,000 dpm/100 cm ²
11/12/15	Tumbleweed	200E	216-S-5 Crib	120,000 dpm/100 cm ²
11/16/15	Bird feces	200E	Modu-Tanks	12,000 dpm/100 cm ²
11/18/15	Tumbleweed	200E	Modu-Tanks	10,000 dpm/100 cm ²
11/23/15	Tumbleweed	200E	Maintenance 6290	150,000 dpm/100 cm ²
12/10/15	Tumbleweed	200W	241-S Tank Farm fenceline	5,000 dpm/100 cm ²
12/11/15	Soil	600	618-10 Burial Ground	490,000 dpm/100 cm ²
12/11/15	Vegetation	600	618-10 Burial Ground	110,000 dpm/100 cm ²
12/16/15	Rabbit feces	200E	242-A Evaporator	40,000 dpm/100 cm ²
12/30/15	Tumbleweed	200E	Effluent Treatment Facility perimeter fence	100,000 dpm/100 cm ²

Abbreviations:cm² = Square Centimeter

dpm = Disintegrations per minute.

ETF = Effluent Treatment Facility

ICB = Integrated Biological Control Program

LERF = Liquid Effluent Retention Facility

3.1 Waste Information Data System (WIDS) Summary

Waste sites that were interim closed or received final close out during the fourth quarter of CY 2015 are listed below (Table 4).

Table 4. WIDS Sites Change in Closed Out Status

Code	Reclassification	Reclassified On
118-C-3	Interim Closed Out	6/9/2015*
118-F-8	Interim Closed Out	6/9/2015*
100-H-28	Interim Closed Out	9/25/2015
100-N-85	Interim Closed Out	9/25/2015
100-F-10	Final Closed Out	10/28/2015
100-F-19	Final Closed Out	10/28/2015
100-F-29	Final Closed Out	10/28/2015
100-F-34	Final Closed Out	10/28/2015
116-F-12	Final Closed Out	10/28/2015
116-F-2	Final Closed Out	10/28/2015
116-F-6	Final Closed Out	10/28/2015
116-F-9	Final Closed Out	10/28/2015
600-279	Final Closed Out	10/28/2015
600-293	Final Closed Out	10/28/2015
600-294	Final Closed Out	10/28/2015
600-298	Final Closed Out	10/28/2015
600-299	Final Closed Out	10/28/2015
600-300	Final Closed Out	10/28/2015
600-301	Final Closed Out	10/28/2015
600-303	Final Closed Out	10/28/2015
600-316	Final Closed Out	10/28/2015
600-318	Final Closed Out	10/28/2015
600-320	Final Closed Out	10/28/2015
600-321	Final Closed Out	10/28/2015
600-328	Final Closed Out	10/28/2015
600-356	Final Closed Out	10/28/2015
600-368	Final Closed Out	10/28/2015
600-369	Final Closed Out	10/28/2015
600-370	Final Closed Out	10/28/2015
600-371	Final Closed Out	10/28/2015
600-372	Final Closed Out	10/28/2015
600-373	Final Closed Out	10/28/2015
600-374	Final Closed Out	10/28/2015
600-375	Final Closed Out	10/28/2015
600-376	Final Closed Out	10/28/2015
600-377	Final Closed Out	10/28/2015
600-378	Final Closed Out	10/28/2015
600-379	Final Closed Out	10/28/2015

Table 4. WIDS Sites Change in Closed Out Status

Code	Reclassification	Reclassified On
UPR-100-F-1	Final Closed Out	10/28/2015
100-H-59	Interim Closed Out	11/9/2015
600-108	Final Closed Out	11/17/2015
600-109	Final Closed Out	11/17/2015
600-111	Final Closed Out	11/17/2015
600-146	Final Closed Out	11/17/2015
600-149	Final Closed Out	11/17/2015
600-178	Final Closed Out	11/17/2015
600-202	Final Closed Out	11/17/2015
600-204	Final Closed Out	11/17/2015
600-205	Final Closed Out	11/17/2015
600-23	Final Closed Out	11/17/2015
600-257	Final Closed Out	11/17/2015
600-280	Final Closed Out	11/17/2015
600-3	Final Closed Out	11/17/2015
600-313	Final Closed Out	11/17/2015
600-314	Final Closed Out	11/17/2015
600-317	Final Closed Out	11/17/2015
600-319	Final Closed Out	11/17/2015
600-324	Final Closed Out	11/17/2015
600-325	Final Closed Out	11/17/2015
600-350	Final Closed Out	11/17/2015
JA JONES 1	Final Closed Out	11/17/2015
UPR-600-11	Final Closed Out	11/17/2015
UPR-600-16	Final Closed Out	11/17/2015
600-326	Final Closed Out	12/16/2015
300-277	Final Closed Out	12/17/2015

*Second Quarter Status Change Not Reported Previously

The *Administrative Interface Agreement between CH2M HILL Plateau Remediation Company (CHPRC), Washington Closure Hanford (WCH), Washington River Protection Solutions (WRPS), Mission Support Alliance (MSA), and Pacific Northwest National Laboratory (PNNL) for Hanford Environmental Data Integration (HNF-48562)*, states that an area that is posted as a soil contamination area (SCA) or CA and not located on an existing WIDS site should be added to the WIDS database as a new waste site if it cannot be cleaned up and down-posted within 90 days.

Table 5 summarizes the contamination incidents by area and media type for CY 2015. The column "Other" in this table is for miscellaneous items (e.g., clothing, equipment, etc.).

4.0 BIOTIC TRANSPORT

Waste management, environmental protection, safety, and as low as reasonably achievable (ALARA) practices on the Hanford Site require that whenever possible, radiological contamination exposed to the environment be cleaned up or stabilized so that it is not easily transported from posted radiological control areas. 10 CFR 835 requires that appropriate controls be maintained and verified which prevent the inadvertent transfer of removable contamination to locations outside of radiological areas under normal operating conditions.

In response to a U.S. Department of Energy, Richland Operations Office (DOE-RL) concern, a centralized Integrated Biological Control (IBC) Program to control the spread of contamination caused by biotic vectors was established. The IBC provides vegetation control through herbicide application, mechanical removal, and vegetation removal in areas of accumulation. Trapping, baiting, fumigation, and the application of pesticides are used to control the spread of contamination by animals and insects.

4.1 Deep-Rooted Vegetation Vectors

Deep-rooted vegetation (e.g., tumbleweeds, sagebrush) growing over underground sources of radionuclides may selectively uptake contaminants into their tissues. When radionuclides are transported from roots to aerial portions of the plant, surface contamination may result. This surface contamination poses a potential risk of environmental transport or human contact and can be very costly to clean up and/or stabilize.

A review of radiological reports (Radiological Problem Reports, Problem Evaluation Reports, Daily Activity Reports, Occurrence Reports, IBC monthly reports, and Radiological Survey Records) identified fourteen incidents of contaminated vegetation during the fourth quarter of CY 2015.

Table 6 summarizes the number of incidents of contaminated vegetation found and the range of activity encountered between CY 1995 and CY 2015. It has been determined through field readings that the dose rate for meter readings on tumbleweeds having greater than 6,000,000 dpm/100 cm² ranges from approximately 2.0 to 50 mrad/hr.

Figure 1 depicts graphically, the average number of contaminated vegetation incidents encountered quarterly between CY 1995 and CY 2014 and the number of incidents occurring quarterly during CY 2015. Figure 2 displays the average number of contaminated vegetation incidents encountered monthly between CY 1995 and CY 2014 and the number of incidents occurring monthly during CY 2015.

Table 5. Contamination Incidents by Area and Type
(CY 2015)

Area/Waste Site Type	Vegetation	Animals	Soil/Specks	Other	Total
200 East Tank Farms	8	18	1	0	27
200 West Tank Farms	5	3	2	0	10
200 East Burial Grounds	4	0	1	0	5
200 West Burial Grounds	1	0	2	0	3
200 East Cribs, Ponds, & Ditches	3	0	0	0	3
200 West Cribs, Ponds, & Ditches	7	2	0	0	9
200 East Fence Lines	2	0	0	0	2
200 West Fence Lines	4	0	0	0	4
200 East Roads & Rail Roads	1	0	0	0	1
200 West Roads & Rail Roads	0	0	0	0	0
200 East Unplanned Release Sites	0	0	0	0	0
200 West Unplanned Release Sites	0	0	0	0	0
200 East Underground Pipelines	0	0	0	0	0
200 West Underground Pipelines	0	0	0	0	0
Cross-Site Transfer Line	0	0	0	0	0
600 Area Burial Grounds	1	0	1	0	2
200 East Miscellaneous	5	8	9	1	23
200 West Miscellaneous	0	1	0	2	3
200 East LERF/ETF	4	8	0	0	12
200 North Area	0	0	0	0	0
100 Areas	1	2	1	0	4
300 Areas	0	1	0	0	1
400 Areas	0	0	0	0	0
600 Areas	1	2	2	0	5
1100 Areas	1	0	0	0	1
TOTALS	48	45	19	3	115

4.2 Animal Vectors

Biotic transport of radiological contamination through animal (insects, mice, etc.) vectors has been a major cause of contamination spread throughout the Hanford Site for a number of years. A review of radiological reports (Radiological Problem Reports, Problem Evaluation Reports, Daily Activity Reports, Occurrence Reports, IBC monthly reports, and Radiological Survey Records) during this reporting period identified ten incidents of a contaminated animal. Table 7 shows the number of contaminated animal related incidences found and the range of activity encountered during CY 1995 through CY 2015. It should be noted that the dose rates for meter readings greater than 6,000,000 dpm/100 cm² or 1,000,000 dpm/PA detected in the animals and insects could range as much as approximately 1.5 to 15 mrad/hr.

Figure 3 summarizes the average number of contaminated animal incidents encountered quarterly from CY 1995 through CY 2014 and the number of incidents occurring quarterly during CY 2015. This graphic also demonstrates the decreased activity of animals during the winter.

Figure 4 displays the average number of contaminated animal incidents encountered monthly between CY 1995 and CY 2014 and the number of incidents occurring monthly during CY 2015.

4.3 Integrated Biological Control Program

The IBC Program implements the requirements of DOE/RL-98-77 Rev 0, "*Spread of Radioactive Contamination Due to Biological Transport at the Hanford Site.*"

Radioactive contamination control within facility perimeters is the responsibility of the affected facility landlord and the facility Radiation Protection organization. However, by agreement with the affected facility landlord (i.e., Administrative Interface Agreement) and the facility Radiation Protection organizations, the IBC program may take actions inside facility perimeters that are consistent with the IBC mission and the Hanford Strategic Plan. The agreement establishes the applicable contract and radiological program controls.

IBC includes any activity taken to prevent, limit, clean up, or remediate potential environmental, health and safety, or workplace quality impacts from or to plants, animals, or the native environment. This includes the control of noxious weeds, industrial weeds, other vegetation, animal pests, and clean-up of vegetation and animal remains (windblown tumbleweeds, animal feces, animal carcasses), for the purposes of protecting employees, the public, and Site cultural and environmental (including biological) resources.

Table 6. Yearly Summary of Contaminated Vegetation Incidents

Year	Number of Incidents	Maximum Activity (dpm)B/G ^a	Minimum Activity (dpm)B/G
2015	48	2,000,000/100cm ²	2,000/100cm ²
2014	50	3,600,000/100cm ²	2,000/100cm ²
2013	35	1,200,000/100cm ²	5,000/100cm ²
2012	18	2,400,000/100cm ²	4,000/100cm ²
2011	29	>1,000,000/100cm ²	5,000/100cm ²
2010	31	>1,000,000/100cm ²	7,000/100cm ²
2009	88	>6,000,000/100cm ²	2,500/100cm ²
2008	127	>6,000,000/100cm ²	6,000/100cm ²
2007	62	2,400,000/100cm ²	3,000/100cm ²
2006	75	5,397,000/100cm ²	10,000/100cm ²
2005	66	1,800,000/100cm ²	6,000/100cm ²
2004	60	540,000/100cm ²	4,000/100cm ²
2003	32	3,600,000/100cm ²	6,000/100cm ²
2002	16	1,800,000/100cm ²	3,000/100cm ²
2001	31	>6,000,000/100cm ² ^b	6,000/100cm ²
2000	65	>1,000,000/100cm ²	5,000/100cm ²
1999	84	>1,000,000/100cm ²	8,000/100cm ²
1998	51	>1,000,000/100cm ²	4,000/100cm ²
1997	42	>1,000,000/PA	2,500/PA
1996	21	800,000/PA	6,000/PA
1995	12	250,000/PA	2,000/PA

^a The reporting of the activity changed in 1998 to meet the requirements identified in each contractors radiological control manuals. The activity is reported in dpm per probe area prior to 1998 and in dpm per 100 cm² since 1998 (unless otherwise noted e.g., for a speck or insect).

^b >6,000,000/100 cm² being used in 2001 and subsequent years includes a correction factor of 6 to correct from probe area to 100 cm² which was not used in previous years.

B/G = Beta/Gamma

dpm = Disintegrations per minute

PA = Probe Area

Figure 1. Contaminated Vegetation Incidents

NOTE: Historical data also shows range of the number of contaminated vegetation incidents reported.

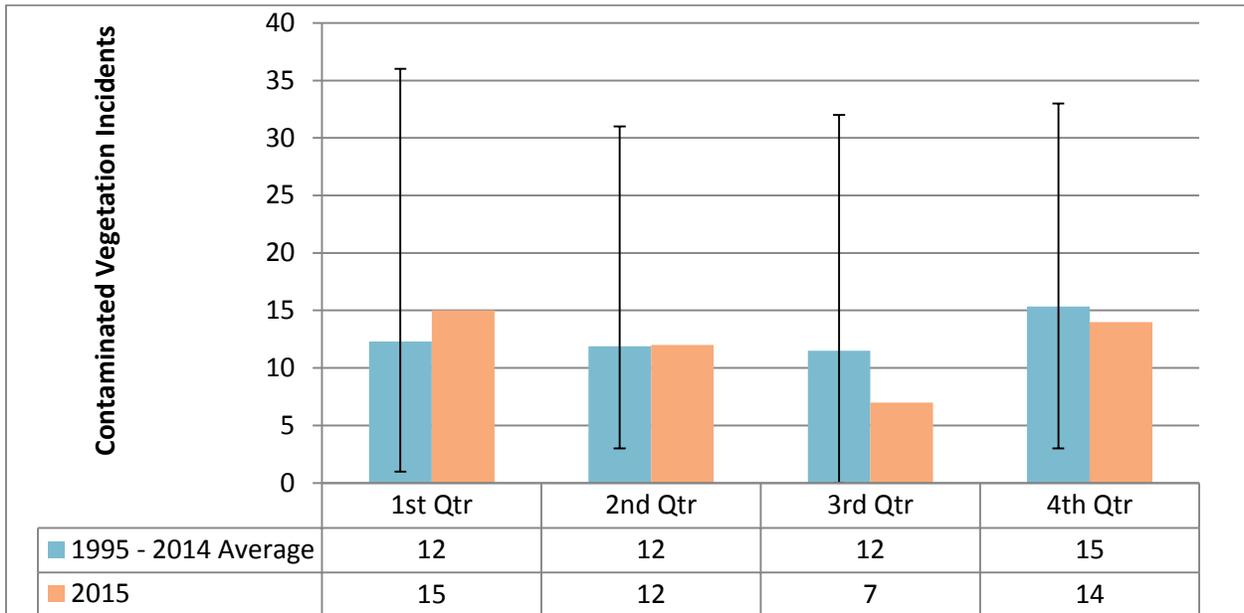


Figure 2. Contaminated Vegetation Incidents by Month

NOTE: Historical data also shows range of the number of contaminated vegetation incidents reported.

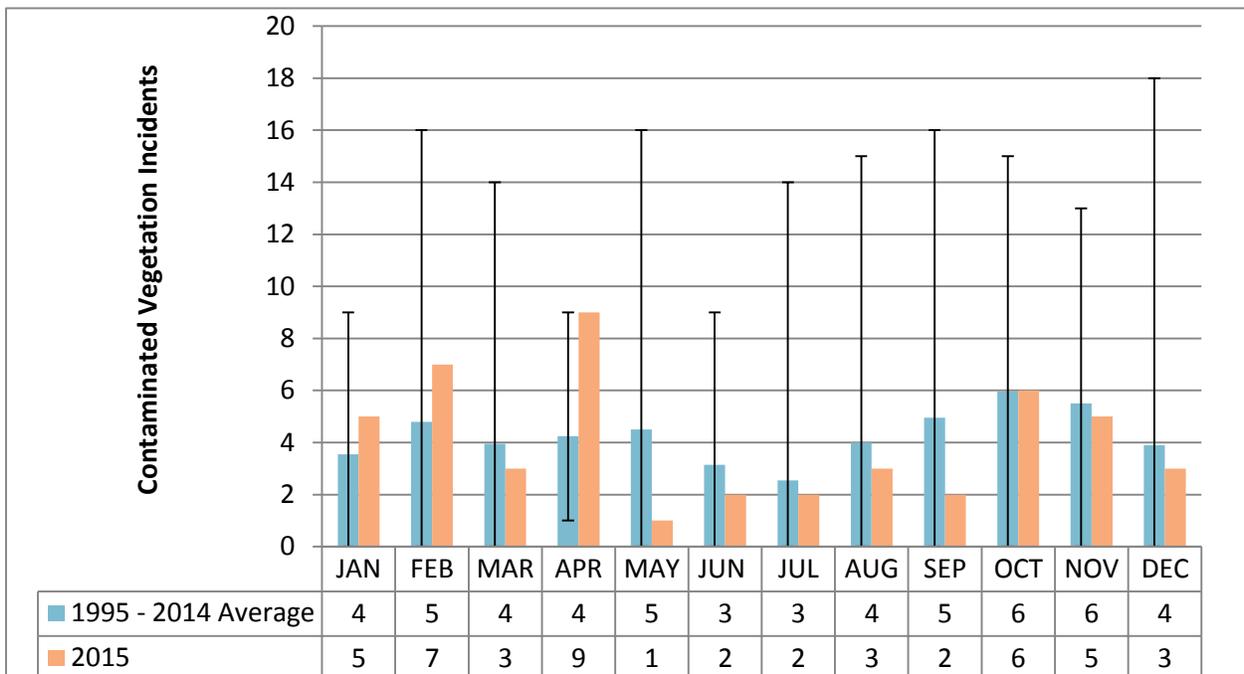


Table 7. Yearly Summary of Contaminated Animal/Insect Related Incidents

Year	Number of Incidents	Maximum Activity (dpm)B/G ^a	Minimum Activity (dpm)B/G
2015	45	200,000/100cm ²	2,500/100cm ²
2014	33	1,400,000/100cm ²	1,000/100cm ²
2013	48	1,800,000/100cm ²	500/100cm ²
2012	13	>1,000,000/100cm ²	7,000/100cm ²
2011	19	>1,000,000/100cm ²	18,000/100cm ²
2010	21	1,950,000/100cm ²	3,000/100cm ²
2009	26	>1,000,000/100cm ²	20,000/100cm ²
2008	30	3,600,000/100cm ²	1,500/100cm ²
2007	6	600,000/100cm ²	20,000/100cm ²
2006	17	>1,000,000/100cm ²	4,000/100cm ²
2005	13	>1,000,000/100cm ²	4,000/100cm ²
2004	20	649,000/100cm ²	1,500/100cm ²
2003	26	1,200,000/100cm ²	900cpm
2002	10	42,000/100cm ² Alpha ^b	2,500/100cm ²
2001	10	>6,000,000/100cm ² ^c	1,000/PA
2000	13	300,000/100cm ²	3,000/100cm ²
1999	17	500,000/100cm ²	2,000/PA
1998	46	>1,000,000/100cm ²	4,000/100cm ²
1997	27	>1,000,000/PA	NR
1996	44	>1,000,000/PA	500/PA
1995	28	>1,000,000/PA	2,000/PA

^a The reporting of the activity changed in 1998 to meet the requirements identified in each contractor's radiological control manuals. The activity is reported in dpm per probe area prior to 1998 and in dpm per 100 cm² since 1998 (unless otherwise noted e.g., for a spec or insect). Activity reported as beta/gamma unless otherwise noted.

^b No Beta/Gamma reported on this incident.

^c >6,000,000/100 cm² being used in 2001 and subsequent years includes a correction factor of 6 to correct from probe area to 100 cm² which was not used in previous years.

B/G = Beta/Gamma

dpm = disintegrations per minute

NR = No activity above background recorded in the field

PA = Probe Area

Figure 3. Contaminated Animal/Insect Incidents by Quarter

NOTE: Historical data also show range of the number of contaminated animal incidents reported.

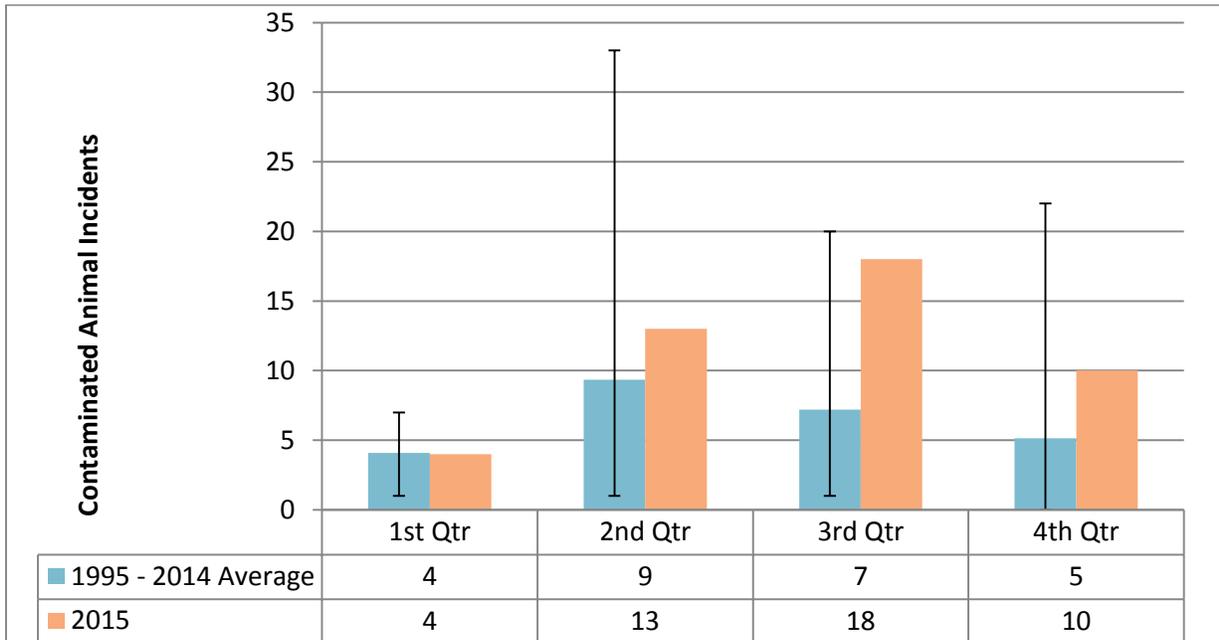
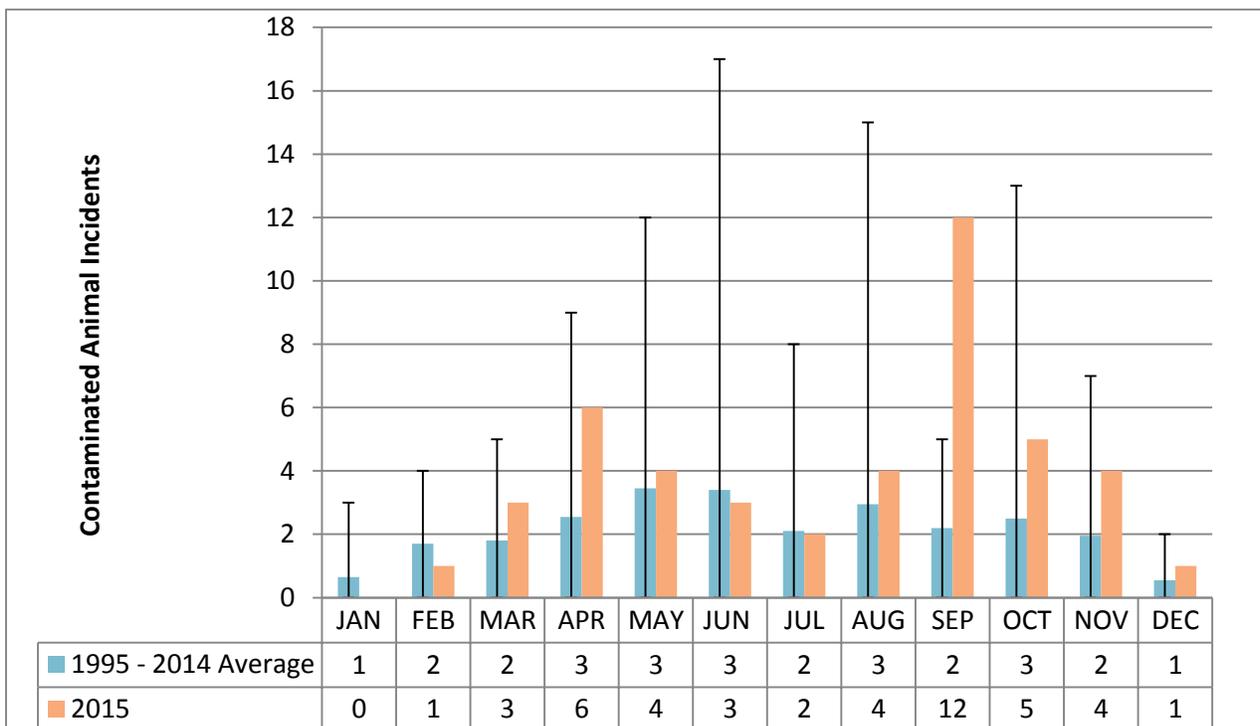


Figure 4. Contaminated Animal/Insect Incidents by Month

Note: Historical data also shows range of the number of contaminated animal incidents reported.



4.3.1 Surveillance

There were ten animal related contamination incidents reported during the fourth quarter of CY 2015, which is more than the fourth quarter average of five for CY 1995 through CY 2014. In addition, there were fourteen vegetation related incidents, which is less than the fourth quarter average of fifteen for CY 1995 through CY 2014. The radioactivity monitoring and surveillance activities for this quarter indicated that the control of contaminated vegetation-related material was maintained and was consistent with incidents reported during the same period in previous years.

4.3.2 Clean-Up

The IBC continued removal and cleanup of tumbleweeds in the operations areas in CY 2015. Cleanup and stabilization activities during the fourth quarter of CY 2015:

- 40 non-regulated compactor truckloads of tumbleweeds were taken to the 200-West burn pit for disposal.
- Three (3) regulated compactor truckload of tumbleweeds was taken to the Environmental Restoration Disposal Facility for disposal.

4.3.3 Control

In CY 2009, the IBC Program was revised and implemented to rotate herbicides used to control deep-rooted vegetation to prevent vegetation from developing a chemical resistance from the usage of the same herbicide chemistry over a period of years. Test plots were set up outside the 200 East and 200 West Areas to test several herbicides and their application rates. New products are being tested so the most effective herbicide is used on the Hanford Site.

Highlights for this quarter:

- Approximately 608 hectares (1504 acres) of Hanford Site land were treated with herbicides.
- 181 pest control responses for Hanford Site facilities were conducted.
- 3,406 bait stations and animal control devices were in place.
- 319 animals were captured.

4.3.4 Noxious Weed Control

The DOE-RL is obligated by the *Agriculture Risk Protection Act of 2000* to control noxious weeds, and each DOE facility is required to have a noxious weed management program for compliance with federal, state, and local laws. The Washington Administrative Code ([WAC](#) 16-750, *State Noxious Weed List and Schedule of Monetary Penalties*, and Revised Code of Washington ([RCW](#) 17.10, *Noxious Weeds – Control Boards*, require all landowners to control noxious weeds on their property and impose specific penalties for failure to do so. The Washington State Noxious Weed laws are enforced by the county Noxious Weed Control Boards.

Noxious weeds are treated with herbicide applications when found on industrial areas such as waste sites, parking lots, and road shoulders. However, noxious weeds treatment outside of active industrial areas has been limited. Recent decisions regarding application of the [National Environmental Policy Act of 1969](#) (NEPA) to noxious weed control have affected the ability to control weeds. Resolution to the issues is currently being sought. Herbicide applications by MSA Biological Controls for invasive plants and noxious weeds are currently addressed by the following two NEPA documents depending upon the scope of the work:

4.3.4.1 [DOE/CX-00111](#), Rev 2, MSA Annual Categorical Exclusion for Routine Maintenance and Custodial Services under 10 CFR 1021, Subpart D, Appendix B, B1.3

- Localized vegetation and pest control. Localized is defined as landscaped areas around buildings, structures, and infrastructures maintained for visual aesthetics.
- Localized erosion control and soil stabilization measures (i.e., reseeding, gabions, grading, and revegetation).
- Cultural and ecological resource reviews and clearances are required to apply the Annual CX to work activities.
- Other considerations in accordance with the Work Management System (i.e., Environmental Activity Screening Form, Automated Job Hazards Analysis, etc.) are required to perform the work.

4.3.4.2 [DOE/EA-1728-F](#), Environmental Assessment for Integrated Vegetation Management on the Hanford Site, Richland, Washington

- Application of physical, chemical, biological, prescribed burning, and revegetation methods to control invasive plants and noxious weeds.
- Includes vegetation management in radiological and chemical waste management areas (i.e., tank farms, solid waste burial grounds and landfills, liquid waste ponds, ditches, cribs, and unplanned release sites, infrastructure areas (i.e., roadways, railways, power lines, rights-of-way, and fence lines), and rangelands.
- Cultural and ecological resource reviews and clearances are required prior to performing work.
- Vegetation management conducted to reduce or eradicate invasive plants and noxious weeds, minimize biological uptake and transport of contaminants, reduce or eliminate wildfire hazards, restore and preserve native and other desirable plant communities and wildlife habitat, and protect natural, cultural, and ecological resources.

Thirty-nine (39) acres of herbicide application for noxious weeds occurred during the reporting period. For a detailed description of the noxious weeds found on the Hanford Site, refer to the [Hanford Site Environmental Report](#).

4.3.5 Site Restoration

One (1) acre of grass seeding was performed during the reporting period.

5.0 SUMMARY

There were 173 routine outdoor radiological surveys reported as completed during the quarter in the 200, 300, and 600 Areas. Of the 173 surveys reported, 109 were performed by CHPRC, 48 were performed by WRPS and 16 were performed by MSA.

During the fourth quarter of CY 2015, there were 14 incidents of contaminated vegetation (tumbleweeds and bunch grass), 10 incident of contaminated animal-related material, and 3 incidents of soil-related contamination. These numbers compare to 22 incidents of contaminated vegetation, 1 incident of contaminated animal related material, and 2 soil contamination incidents during the same reporting period in CY 2014. Levels of activity during the fourth quarter of CY 2015 ranged from 4,000 dpm/100 cm² to 720,000 dpm/100 cm² beta/gamma.

6.0 ANNUAL RADIOLOGICAL SURVEYS

6.1 CH2M HILL Plateau Remediation Company

Outdoor radiological waste sites under the responsibility of CHPRC are radiologically surveyed at least once per year. Surveys that are more frequent are performed, if warranted, to provide assurance that contamination and migration controls are effective. Visual inspections for housekeeping, proper posting, subsidence, animal or plant intrusion, etc., are also performed, at a minimum, on an annual frequency. The CHPRC annual survey site list is provided here.

CHPRC Site Names

- 100-K-1, 119-KW French Drain, 119-KW Exhaust Air Sample Building French Drain, 100-K-45
- 100-K-42, 100 Area KE Basin, 105-KE Fuel Storage Basin, K East Basin, Irradiated Fissile Material Storage, Metal Storage Basin, 100-K-40 Release
- 100-K-43, KW Basin, 105-KW Fuel Storage Basin, K West Basin, Irradiated Fissile Material Storage
- 100-K-57, 107-KE Drainage Ditches
- 100-K-64, 100-KE Floodplain, 100-KE Flood Plain Contamination Area, UN-116-KE-1
- 100-K-81, Contamination Area West of 116-K-3
- 116-KW-2, 105-KW Storage Basin French Drain, 105-KW Basin Reverse Well, 105-KW Fuel Storage Basin Sub-Basin Drainage Disposal System Crib
- 118-KW-1, 105-KW Reactor Building
- 118-KE-1, 105-KE Reactor Building
- 200-E PD 200-E Powerhouse Ditch, 200 East Powerhouse Pond
- 200-E-102, Contaminated Soil Trench
- 200-E-103, Radiologically Controlled Area - South Side of PUREX, PUREX Stabilized Area
- 200-E-105, Soil Contamination Area on the 216-B-61 Crib
- 200-E-107, Contamination Area East of PUREX, PUREX E Field

CHPRC Site Names

- 200-E-109, Contaminated Tumbleweed Accumulation, Contamination Spread in Northeast Corner of 200 East Area
- 200-E-110, Contaminated Tumbleweed Dump Site
- 200-E-111-PL, Encased Pipeline from 241-ER-151 Diversion Box to 241-C Tank Farm and 244-AR Vault; 3-38 Encasement, V108/V837/8618/8653/8901PAS
- 200-E-112; B Plant Process Sewers, 2904-E-1- Pipeline from B Plant to 207-B Retention Basin; 2904-E-2 - Pipeline from B Plant to 207-B or 216-B Ditches
- 200-E-113; Pipeline from PUREX to 216-A-30 Crib, 216-A-42C Valve Box
- 200-E-114-PL, Pipeline from 241-BY Tank Farm to 241-C Tank Farm and BC Cribs Trenches, 2805-E1, 2805-E2, 216-BC-2805
- 200-E-115; Contamination Area East of 241-C Tank Farm
- 200-E-116-PL, Pipelines from 241-B-154 Diversion Box to 241-C-151 and 241-C-152 Diversion Boxes, Direct Buried Pipeline, V111/V210/V130, 8902
- 200-E-117, Contamination Zone South of B Plant
- 200-E-118, 216-B-3 Diverter Station and Shack, Main Diverter Structure #3
- 200-E-121, Soil Contamination Area East and West of Baltimore Avenue
- 200-E-122, Construction Forces Bullpen, CF Bullpen, Equipment Storage Yard
- 200-E-123, Contamination Area South of 216-B-2 Stabilized Ditches.
- 200-E-124, URM on East Side of 275-EA
- 200-E-125, Contamination Area Northwest of 244-AR Building.
- 200-E-126, Underground Pipeline from 207-B to 216-B-3 Ditch and B Pond Disposal System
- 200-E-126, Underground Pipeline from 207-B to 216-B-3 Ditch and B Pond Disposal System
- 200-E-127, PUREX Cooling Water Line, Pipeline from PUREX to Gable and B-Ponds (216-A-25 and 216-B-3)
- 200-E-127, PUREX Cooling Water Line, Pipeline from PUREX to Gable and B-Ponds (216-A-25 and 216-B-3)
- 200-E-128, Radioactive Contamination "Hot Spot" Under Gravel Road
- 200-E-129, Stabilized Area on East Side of B Plant Railroad Cut
- 200-E-130, Stabilized Area on West Side of B Plant Chemical Spur
- 200-E-135, Contamination Area South of 241-C Tank Farm
- 200-E-139, Contamination Area North of C Farm
- 200-E-14, 216-BC-201 Siphon Tank, 216-B-201, Inactive Miscellaneous Underground Storage Tank (IMUST)
- 200-E-142, Paint Brush Cleaning Station
- 200-E-145-PL, Interplant Transfer Line, Tank Farm Transfer Line V228, Transfer Pipeline from 241-CR-153 to 241-ER-153, 241-ER-152 and 241-ER-151

CHPRC Site Names

- 200-E-147-PL, Interplant Transfer Line, Tank Farm Transfer Line PAS-244, Transfer Line from 244-CR-TK-003 to 241-ER-153
- 200-E-149-PL, Tank Farm Transfer Line V175, Direct Buried Transfer Line from 241-C-252 to 201-C Hot Semi Works, Tank Farm Pipeline
- 200-E-150-PL, Tank Farm Transfer Line 8900, Direct Buried Transfer Line from 244-CR-TK-003 to 201-C Hot Semi Works Valve Box, Tank Farm Pipeline
- 200-E-153-PL, Tank Farm Transfer Line V108/812, Direct Buried Transfer Line from 241-C-151 to 244-AR-TK-002, Tank Farm Pipeline
- 200-E-156-PL, 216-C-1 Pipeline, Pipeline from 201-C to 216-C-1
- 200-E-157-PL, 216-C-10 Pipeline, Pipeline from 201-C to 216-C-10 Crib
- 200-E-158-PL, 216-A-1 Pipeline, Pipeline from Sample Pit #3 to 216-A-1 Crib
- 200-E-159-PL, Pipeline from 203-A to 216-A-28 Crib
- 200-E-160-PL, Pipeline from 270-E-1 to 216-B-12 Crib, V219
- 200-E-161-PL, Pipeline from 221-BB to 216-B-55 Crib, V841
- 200-E-162-PL, Pipeline from 221-BB to 216-B-62 Crib, V842, Lateral Line to 216-B-12 crib #2
- 200-E-163-PL, Pipeline from BCS Diverting Pit to 216-B-64 Retention Basin
- 200-E-164-PL, Pipeline to 216-A-8 Crib, Pipeline between the 216-A-8 Control Structure and the 216-A-508 Control Structure
- 200-E-165-PL, Pipeline to 216-A-24 Crib
- 200-E-166-PL, Pipeline to 216-A-34 Ditch
- 200-E-167-PL, Underground pipelines from 244-A Lift Station to 241-A-A and 241-A-B Valve Pits, Lines SN-215 and SN-216
- 200-E-168-PL, Underground Pipeline to 216-A-3
- 200-E-28, 221-B Building Steam Condensate Release
- 200-E-29, Unplanned Release from 241-ER-152 Diversion Box
- 200-E-32, 226-B Pad East Side 90-Day Waste Accumulation Area
- 200-E-41, Stabilized Hot Semiworks Area, UN-216-E-38, Strontium Semi-Works Stabilized Area
- 200-E-43, Tank Car Storage Area, Regulated Equipment Storage Area, TC-4 Spur Tank Car Storage Area
- 200-E-44, PUREX Railroad Cut
- 200-E-45, HI Shaft, Health Instrument Shaft, Contaminated Pump Run-in Caisson
- 200-E-53, Contaminated Zone Adjacent to 218-E-12B and 218-E-8, Overground Storage Area, Above Ground Storage Area
- 200-E-54, Liquid Release to the Environment from PUREX Deep Filter Bed #1
- 200-E-56, 241-C Waste Line Leak adjacent to 201-C, Waste Line Leak #1
- 200-E-57, 241-C Waste Line Leak east of 201-C, Waste Line Leak #2

CHPRC Site Names

- 200-E-58, 216-A-5 Neutralization Tank, Tank A5, IMUST
- 200-E-6, Septic Tank, Sanitary Sewer Repair and Replacement 2607-E4
- 200-E-69, Line #8801 Steam Condensate, Miscellaneous Stream #56, Injection Well (A)
- 200-E-88, B Plant Yard Steam Condensate, Miscellaneous Stream #3
- 200-E-91, B Plant Yard Steam Condensate, Miscellaneous Stream #6
- 200-E-92, B Plant Yard Steam Condensate, Miscellaneous Stream #7
- 200-E-97, 212B Building Steam Condensate, Miscellaneous Stream #470
- 200-W-1, REDOX Mud Pit West
- 200-W-100, Encased Pipeline from 241-UX-154 to 241-SX-152 Diversion Box, lines 4700, 4701, 4853, V762, V503 and V505
- 200-W-102, Pipeline from Laundry/Powerhouse to 216-U-14 Ditch
- 200-W-104, 2714-U Building, UO3 Storage Warehouse, 2714-U Foundation
- 200-W-105, Encased Transfer Line Between 241-UX-154 Diversion Box and 241-TX Tank Farm; encased pipeline
- 200-W-106, Soil Contamination Area Adjacent to 200-W-55
- 200-W-107, Miscellaneous Stream #685, 222-U Building Stormwater Runoff
- 200-W-108, Miscellaneous Stream #687, 222-U Building Stormwater Runoff
- 200-W-109, Miscellaneous Stream #521, 222-U Building Stormwater Runoff
- 200-W-110, Miscellaneous Stream #393
- 200-W-111, Miscellaneous Stream #394, 222-U Building Stormwater Runoff
- 200-W-114, Miscellaneous Stream #55
- 200-W-125, 216-Z-1 Ditch Replacement Pipeline
- 200-W-127, Surface Stabilized Area East of UPR-200-W-29/UPR-200-W-97 (UN-216-W-5)
- 200-W-128, Underground Radioactive Material Area East of 218-W-4A
- 200-W-129-PL, Encasement Containing Lines V399, V405, and V411
- 200-W-130-PL, V445, V663, V601, V416; Pipeline from 241-T-151 Diversion Box to 241-U-151 Diversion Box
- 200-W-131-PL, V601, Spur to 241-TX Tank Farm
- 200-W-132-PL, Pipeline from 221-T to 241-T-151 and 241-T-152, V653, V654, V667, V668, V669, V706, V707
- 200-W-133-PL, V682 Spare Line
- 200-W-134-PL, V683 Spare Line
- 200-W-136, Underground Radioactive Material Area including 222-U Building Foundation, demolished 203-U area and contaminated soil
- 200-W-135-PL, V662, Spare Line

CHPRC Site Names

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- 200-W-137-PL, Pipeline from 241-S-151 Diversion Box to 216-S-1 & 2 cribs
 - 200-W-138-PL, Pipeline from 240-S-151 to 216-S-7 Crib, V547
 - 200-W-139-PL, Pipeline from 200-W-138-PL to 216-S-9 Crib, V547
 - 200-W-140-PL, Pipeline from 292-T(200-W-40)
 - 200-W-141-PL, Pipeline connecting 200-W-139-PL pipeline to 216-S-23 Crib
 - 200-W-142-PL, Pipeline from 222-T to 216-T-8 crib
 - 200-W-143-PL, Encased Pipeline from 241-TX-154 Diversion Box 241-TX-155 Diversion Box, lines V383, V384, V385, V387, V388, V391, V392, V393
 - 200-W-144, Room 4E, 222-S Laboratory Treatment, Storage, and Disposal
 - 200-W-146-PL, 216-S-22 Crib Pipeline
 - 200-W-147-PL, Pipeline from 207-SL to 216-S-19 Pond
 - 200-W-147-PL, Pipeline from 207-SL to 216-S-19 Pond
 - 200-W-148-PL, 216-S-26 Crib Pipeline
 - 200-W-149-PL, Pipelines related to 216-S-20 Crib, See sub sites
 - 200-W-150-PL, Pipelines Associated with 216-S-13 Crib, See Sub sites
 - 200-W-155-PL, Pipeline from 2904-S-160 Control Structure to 216-S-16 Ditch; Portion of Pipeline 200-W-155-PL that is located in the Central Plateau Inner Area
 - 200-W-155-PL, Pipeline from 2904-S-160 Control Structure to 216-S-16 Ditch; Portion of 200-W-155-PL Pipeline in the Outer Area
 - 200-W-16, 292-T Underground Tanks, IMUST, 292-TK-1, 292-TK-2
 - 200-W-21, 204-T Unloading Station, T-Plant Waste Railcar Unloading Facility
 - 200-W-22, 203-S/204-S/205-S Stabilized Area
 - 200-W-36, TK-SQ-143, EP 211-143
 - Above Ground Storage Tank
 - 200-W-37, Buried Tygon Tubing near 241-S-101
 - 200-W-40, 292-T, Emission Control Lab, Stack Gas Sampling Building
 - 200-W-42, U Plant Radioactive Process Sewer from 221-U to 216-U-8 & 216-U-12 Cribs
 - 200-W-43, 291-S Stack Sand Filter
 - 200-W-44, 291-U Stack Sand Filter
 - 200-W-45, 291-T Sand Filter, T Plant Stack Sand Filter
 - 200-W-46, 222-S Laboratory Room 4-E 90-Day Waste Accumulation Area, Satellite Accumulation Area
 - 200-W-53, UPR-200-W-166, UN-216-W-31
 - 200-W-54, Contamination Migration from 241-SX Tank Farm
 - 200-W-58, Z-Plant Diversion Box #1
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CHPRC Site Names

- 200-W-59, Z-Plant Diversion Box #2
- 200-W-63, Contaminated Concrete Pad
- 200-W-64, 2724-W Contaminated Laundry Facility Building Foundation
- 200-W-67, Contaminated Soil at the Corner of Cooper and 16th Street
- 200-W-7, 246-L, 241-S-TK-1, 243S-TK-1, 243-S-TK1, 200-W Personnel Decontamination Facility Catch Tank, IMUST
- 200-W-71, Undocumented Trench
- 200-W-73, Contaminated Debris near Railroad Track (east of 218-W-2A)
- 200-W-77, Posted Contamination Area East of 216-U-14 Ditch
- 200-W-78; Pipeline Between 241-TX/TY and 241-T Tank Farms, Lines 6012,6025, 7624 and 7630
- 200-W-79; 216-T-36 Crib pipeline
- 200-W-80; Mound of Contaminated Soil Southwest of T Plant
- 200-W-81; Contaminated Tumbleweed Fragments Along Railroad Track East of 218-W-3AE
- 200-W-82, Risers East of 216-TY-201 and 216-T-26, 216-T-27, and 216-T-28 Cribs, Crib Unloading Station
- 200-W-83, Contamination Area North of 2727W
- 200-W-84, U Plant Process Sewer
- 200-W-85, Soil Contamination Area East of 2727 W
- 200-W-86, Contamination Area Around Light Pole
- 200-W-87, Unplanned Release on Chemical Spur Railroad Track Northwest of 221-U Plant
- 200-W-88, T Plant Process Sewer Pipelines
- 200-W-89, 252-U, U Plant Electrical Substation, C8S17 Substation, U-Cat Substation
- 200-W-9, Project W291 Excavation VCP Contamination
- 200-W-90, Underground Radioactive Material Areas posted along 23rd Street in 200 West Area
- 200-W-91, Underground Radioactive Material Area Adjacent to the North Side of 241-U Tank Farm
- 200-W-92, Contaminated Mound of Soil and Debris, Soil Mound West of 241-TY Tank Farm
- 200-W-97, Encased Pipeline from 240-S-151 Diversion Box to 241-S-151 Diversion Box, Lines V508, V509, V512, V513, V514, V515, V516, V517/3603, V519/1115
- 200-W-98, Encased Pipeline from 240-S-151 to 241-U-153 Diversion Box, V458,V459,V460
- 200-W-99, Encased Pipeline from 241-U-151 to 241-S-151 Diversion Boxes, Lines V455 and V456
- 201-C, 201-C Process Building
- 203-S & 205-S, 203-S/204-S/205-S Stabilized Area, 203-S Uranyl Nitrate Hexahydrate Tank Farm, 204-S Tank Farm & Pumphouse, 205-S Process Vault & Chemical Makeup Building, 205-S Uranyl Nitrate Hexahydrate Processing Facility
- 205-A, 205-A Silica Gel Facility

CHPRC Site Names

- 207-A-NORTH, 207-A, 207-A Retention Basin, 207-A-NORTH Retention Basin, 207-A North
- 207-A-SOUTH, 207-A, 207-A Retention Basin, 207-A-SOUTH Retention Basin, 207-A South
- 207-B, B Plant Retention Basin, 207-B Retention Basin
- 207-S, REDOX Retention Basin, 207-S Retention Basin
- 207-T, T Plant Retention Basin, 207-T, 207-T Retention Basin
- 207-U, 207-U Retention Basin
- 209-E-WS-1, 209-E French Drain
- 209-E-WS-2, Critical Mass Lab French Drain
- 209-E-WS-3, Critical Mass Laboratory Valve Pit and Hold Up Tank (209-E-TK-111), IMUST (refer to sub-sites)
- 215-C, 215-C Gas Preparation Building
- 216-A-1, 216-A-1 Cavern, 216-A-1 Trench
- 216-A-10, 216-A-10 Crib
- 216-A-11 French Drain, Miscellaneous Stream #465
- 216-A-12, Miscellaneous Stream #463
- 216-A-13, 216-A-13 French Drain, Miscellaneous Stream #460
- 216-A-14, French Drain - Vacuum Cleaner Filter Pit, Miscellaneous Stream #462
- 216-A-15, Miscellaneous Stream #461
- 216-A-16, 216-A-16 Dry Well
- 216-A-17, 216-A-17 Dry Well
- 216-A-18, 216-A-18 Excavation, 216-A-18 Grave, 216-A-18 Sump, 216-A-18 Crib
- 216-A-19, 216-A-19 Test Hole, 216-A-19 Grave, 216-A-19 Sump, 216-A-19 Crib
- 216-A-2, 216-A-2 Cavern, 216-A-2 Crib
- 216-A-20, 216-A-20 Test Hole, 216-A-20 Grave, 216-A-20 Sump, 216-A-20 Crib
- 216-A-21, 216-A-21 Crib
- 216-A-22, 216-A-22 French Drain, 216-A-22 Crib
- 216-A-23A, 216-A-23-A French Drain
- 216-A-23B, 216-A-23-B French Drain
- 216-A-24, 216-A-24 Crib
- 216-A-25, Gable Mountain Swamp, 216-A-25 Swamp, Gable Mountain Pond
- 216-A-26, 216-A-26 French Drain, 216-A-26B, Miscellaneous Stream #464
- 216-A-26A, 216-A-25 Crib, 216-A-26 French Drain, 291-A French Drain
- 216-A-27, 216-A-27 Crib
- 216-A-28, 216-A-28 French Drain, 216-A-28 Crib
- 216-A-29, Snow's Canyon, PUREX Chemical Sewer (CSL)

CHPRC Site Names

- 216-A-3, 216-A-3 Cavern, 216-A-3 Crib
- 216-A-30, 216-A-30 Crib
- 216-A-31 Crib
- 216-A-32, 216-A-32 Crib
- 216-A-33, 216-A-33 Dry Well, 216-A-26B
- 216-A-34, 216-A-34 Ditch, 216-A-34 Crib
- 216-A-35 French Drain, 216-A-35 Dry Well
- 216-A-36A, 216-A-36 Crib
- 216-A-36B, 216-A-36 Crib, PUREX Ammonia Scrubber Distillate (ASD)
- 216-A-37-1, 216-A-37 Crib
- 216-A-37-2, 216-A-37-2 Crib
- 216-A-38-1, 216-A-38 Crib (refer to sub sites)
- 216-A-39, 216-A-39 Crib, 216-A-39 Trench
- 216-A-4, 216-A-4 Cavern
- 216-A-40 Retention Basin, 216-A-39 Crib, 216-A-39 Trench
- 216-A-41, Crib, 291-AR Stack Drain, 296-A-13 Stack Drain
- 216-A-42, 207-AA Retention Basin, 216-A-42 Trench, 216-A-42 Retention Basin
- 216-A-45, 216-A-45 Crib
- 216-A-5, 216-A-5 Cavern
- 216-A-508, Control Structure for 216-A-8 Crib, 216-A-8 Distribution Box
- 216-A-6, 216-A-6 Cavern
- 216-A-7, 216-A-7 Cavern
- 216-A-8, 216-A-8 Crib and Overflow Pond
- 216-A-9, 216-A-9 Crib
- 216-B-10A, 222-B-1 Crib, 216-B-10 Crib, 292-B
- 216-B-10B, 222-B-2 Crib, 216-B-10 Crib
- 216-B-11A&B, 216-B-11 Crib, 242-B-1 Crib, 216-B-11A & B, 216-B-11B
- 216-B-12, 216-ER Crib, 216-ER-1,2,3 Cribs
- 216-B-13, 216-B-13 French Drain, 291-B Crib, 216-B-B, 216-B-13 Crib
- 216-B-14, 216-BC-1 Crib
- 216-B-15, 216-BC-2 Crib
- 216-B-16, 216-BC-3 Crib
- 216-B-17, 216-BC-4 Crib
- 216-B-18, 216-BC-5 Crib

CHPRC Site Names

- 216-B-19, 216-BC-6 Crib
- 216-B-20, 216-BC-7 Trench, 216-B-20 Trench
- 216-B-21, 216-BC-8 Trench, 216-B-21 Trench
- 216-B-2-1, 216-B-1, B Swamp Ditch, 216-B-2, B Ditch, 216-B-2W
- 216-B-22, 216-BC-9 Trench, 216-B-22 Trench
- 216-B-2-2, 216-B-2-2W, 216-B-1 Ditch
- 216-B-23, 216-BC-10 Trench, 216-B-23 Trench
- 216-B-2-3, B Pond Ditch, B Swamp Ditch, 216-B-2-2E
- 216-B-24, 216-BC-11 Trench, 216-B-24 Trench
- 216-B-25, 216-BC-12 Trench, 216-B-25 Trench
- 216-B-26, 216-BC-13 Trench, 216-B-26 Trench
- 216-B-27, 216-BC-14 Trench, 216-B-27 Trench
- 216-B-28, 216-BC-15 Trench, 216-B-28 Trench
- 216-B-29, 216-BC-16 Trench
- 216-B-3, B Pond, B-3 Pond, 216-B-3 Main Pond, B Swamp, 216-B-3 Swamp, B Plant Swamp
- 216-B-30, 216-BC-17 Trench, 216-B-30 Trench
- 216-B-31, 216-BC-18 Trench, 216-B-31 Trench
- 216-B-3-1, B Swamp Ditch, 216-B-2, 216-B-3 Ditch, 216-B-2E
- 216-B-32, 216-BC-19 Trench, 216-B-32 Trench
- 216-B-3-2, 216-B Ditch, 216-B-1 Ditch, B Swamp Ditch, 216-B-2-2E
- 216-B-33, 216-BC-20 Trench, 216-B-33 Trench
- 216-B-3-3, B Swamp Ditch, 216-B-3-3 Ditch
- 216-B-34, 216-BC-21 Trench
- 216-B-35, 241-BX-1 Grave, 216-BX-1 Trench, 216-B-35 Trench
- 216-B-36, 241-BX-2 Grave, 216-BX-2 Trench, 216-B-36 Trench
- 216-B-37, 241-BX-3 Grave, 216-BX-3 Trench, 216-B-37 Trench
- 216-B-38, 241-BX-4 Grave, 216-BX-4 Trench, 216-B-38 Trench
- 216-B-39, 241-BX-5 Grave, 216-BX-5 Trench, 216-B-39 Trench
- 216-B-3A RAD, 216-B-3A Expansion Lobe Residual Radioactive Waste, 216-B-3 1st Overflow Pond, West Expansion Lobe
- 216-B-3B RAD, 216-B-3B Expansion Lobe Residual Radioactive Waste, East Expansion Lobe
- 216-B-3C RAD, 216-B-3C Expansion Lobe Residual Radioactive Waste
- 216-B-4, 216-B-4 French Drain, 216-B-4 Dry Well, 216-B-4 Reverse Well
- 216-B-40, 241-BX-6 Grave, 241-BX-6 Trench, 216-B-40 Trench, 216-BX-6 Trench
- 216-B-41, 241-BX-7 Grave, 216-BX-7 Trench, 216-B-41 Trench

CHPRC Site Names

- 216-B-42, 241-BX-8 Grave, 216-BX-8 Trench, 216-B-42 Trench
- 216-B-43, 216-BY-1 Crib, 216-BY-1 Cavern
- 216-B-44, 216-BY-2 Crib, 216-BY-2 Cavern
- 216-B-45, 216-BY-3 Crib, 216-BY-3 Cavern
- 216-B-46, 216-BY-4 Crib, 216-BY-4 Cavern
- 216-B-47, 216-BY-5 Crib, 216-BY-5 Cavern
- 216-B-48, 216-BY-6 Crib, 216-BY-6 Cavern
- 216-B-49, 216-BY-7 Crib, 216-BY-7 Cavern
- 216-B-5, 241-B-361 Reverse Well, 241-B-361 Dry Well, 241-B-5 Dry Well, 299-E28-29
- 216-B-50, 216-BY-8 Crib, 216-BY-8 Cavern
- 216-B-51, 216-BY-9 Crib
- 216-B-52, 216-B-52 Trench, 216-BC-22
- 216-B-53A, 216-B-53A Trench, PRTR Trench
- 216-B-53B, 216-B-53 Trench, 216-B-53B Trench
- 216-B-54, 216-B-54 Trench
- 216-B-55, 216-B-55 Enclosed Trench, 216-B-55 Crib
- 216-B-57, 216-B-57 Enclosed Trench, Hanford Prototype Barrier
- 216-B-58, 216-B-58 Trench, 216-B-59 Crib
- 216-B-59, 216-B-58 Trench, 216-B-58 Ditch
- 216-B-59B, 216-B-59 Retention Basin
- 216-B-6, 222-B-110 Reverse Well, 216-B-6 Dry Well, 216-B-6 Crib, 222-B-110 Dry Well
- 216-B-62, 216-B-62 Enclosed Trench, 216-B-62 Crib
- 216-B-63, B Plant Chemical Sewer, 216-B-63 Trench, 216-B-63 Ditch
- 216-B-64, 216-B-64 Retention Basin, 216-B-64 Trench, 216-B-64 Crib
- 216-B-7A&B, 241-B-201 Crib, 216-B-7 Crib, 216-B-7A Sump, 216-B-7B Sump, 241-B-1 and 2 Cribs, 216-B-7A & B
- 216-B-8, 241-B-3 Crib, 216-B-8, 216-B-8TF
- 216-B-9, 241-B-361 Crib, 5-6 Crib and Tile Field, 216-B-361 Crib, 216-B-9TF
- 216-BY-201, 241-BY Flush Tank, 216-BY-47, Supernatant Disposal Flush Tank, IMUST
- 216-C-1, 216-C-1 Crib, 216-C Crib
- 216-C-10, 216-C-10 Crib
- 216-C-2, 291-C Dry Well, 216-C-2 Dry Well, 216-C-2 Reverse Well
- 216-C-3, 201-C Leaching Pit, 216-C-3 Crib
- 216-C-4, 216-C-4 Crib
- 216-C-5, 216-C-5 Crib

CHPRC Site Names

- 216-C-6, 241-CX Crib
- 216-C-7, 216-C-7 Crib
- 216-C-8, 271-CR Crib, 216-C-8 Crib, 216-C-8 French Drain
- 216-C-9, 216-C-7 Swamp, Former 221-C Canyon Excavation, 216-C-9 Swamp, Semi-Works Swamp, 216-C-9 C Canyon Excavation Semiworks Swamp
- 216-S-1&2, 216-S-5 Crib, 216-S-1 & 2
- 216-S-10D, 216-S-10D Ditch, 202 Chemical Sump #1 and Ditch, Chemical Sewer Trench, Open Ditch to the Chemical Sewer Trench, 216-S-10 Ditch
- 216-S-10P, 216-S-10P Pond, 202-S Chemical Sump #1 and Ditch, Chemical Sewer Trench
- 216-S-11, 202-S Chemical Sump #2, Chemical Sewer Trenches, 216-S-11 Swamp
- 216-S-12, UPR-200-W-30, 291-S Stack Wash Sump, REDOX Stack Flush Trench
- 216-S-13, 276-S Crib, 216-S-6
- 216-S-15, 216-S-2, 241-S-110 Pond, 110-S Tank Overflow Pond, UN-216-W-3
- 216-S-16D, 202-S Swamp (New) and Ditch, 202-S Swamp #1, REDOX Pond #2, 216-S-24 Ditch
- 216-S-16P, 202-S Swamp and Ditch, 202-S Swamp #1, REDOX Pond #2
- 216-S-17, 202-S Swamp, 202-S REDOX Swamp, 216-S-1 REDOX Pond No. 1, REDOX Swamp, 216-S-1
- 216-S-172, 216-S-172 Weir Box and Control Structure, 2904-S-172 Weir, 216-S-172 Control Structure
- 216-S-18, 241-SX Steam Cleaning Pit, 216-S-14 Steam Cleaning Pit
- 216-S-20, 216-SL-1&2 Crib, 216-SL-2
- 216-S-21, 216-SX-1, 216-SX-1 Cavern or Crib
- 216-S-22, 216-S-22 Crib
- 216-S-23, 216-S-23 Crib
- 216-S-25, 216-S-25 Crib
- 216-S-3, 216-S-5, 216-S-3 Crib
- 216-S-4, 216-S-7, 216-S-4 Sump or Crib, UN-216-W-1
- 216-S-5, 216-S-5 Cavern #1, 216-S-6 Crib, 216-S-9
- 216-S-6, 216-S-6 Cavern #2, 216-S-5 Crib, 216-S-13 Crib
- 216-S-7, 216-S-7 Crib, 216-S-15
- 216-S-8, Cold Aqueous Trench, Cold Aqueous Crib, 216-S-3, un-irradiated Uranium Waste Trench, Cold Aqueous Grave
- 216-S-9 Crib
- 216-SX-2, 216-SX-2 Crib
- 216-T-1, 221-T Ditch, 221-T Trench, 216-T-1 Trench

CHPRC Site Names

- 216-T-10, Decontamination Trenches, Equipment Decontamination Area
- 216-T-11, Decontamination Trenches, Equipment Decontamination Area
- 216-T-12, 207-T Sludge Grave, 207-T Sludge Pit, 216-T-11
- 216-T-13, 269-W Regulated Garage, 269-W Decontamination Pit or Trench, 216-T-12, 269-W Regulated Garage Decontamination Pit
- 216-T-14, 241-T-1 Trench, 216-T-1 Grave, 216-T-13
- 216-T-15, 241-T-2 Trench, 241-T-2 Grave, 216-T-14, 216-T-15 Crib
- 216-T-16, 241-T-3 Trench, 241-T-3 Grave, 216-T-15, 216-T-16 Crib
- 216-T-17, 241-T-4 Trench, 216-T-4 Grave, 216-T-16
- 216-T-18, Test Crib for 221-U Building, Scavenged TBP Waste, 216-T-17, 241-T-17 Crib
- 216-T-19, 241-TX-153 Crib and Tile Field, 216-TX-1, 241-TX-3, 216-T-19TF
- 216-T-2, 222-T-110 Dry Well, 222-T Reverse Well
- 216-T-20, 216-TX-2, 216-T-20 Crib, 241-TX-155 Contaminated Acid Grave
- 216-T-21, 241-TX-1 Trench, 216-TX-1 Grave, 216-TX-3
- 216-T-22, 241-TX-2 Trench, 216-TX-2 Grave, 216-TX-4
- 216-T-23, 241-TX-3 Trench, 216-TX-3 Grave, 216-TX-5, 241-TX-3 Grave
- 216-T-24, 241-TX-4 Trench, 216-TX-4 Grave, 216-TX-6
- 216-T-25, 241-TX-5 Trench, 216-TX-5 Grave, 216-TX-7
- 216-T-26, 216-TY-1 Cavern, 216-TY-1 Crib, 241-TX-1 Cavern, 216-TX-1 Crib
- 216-T-27, 216-TY-2 Cavern, 216-TY-2 Crib, 216-TX-2 Cavern, 216-TX-2 Crib
- 216-T-28, 216-TY-3 Cavern, 216-TY-3 Crib, 216-TX-3 Cavern, 216-TX-3 Crib
- 216-T-29, 291-T Sand Filter Sewer, 216-T-29 French Drain
- 216-T-3, 241-T-361-A Reverse Well, 361-T Reverse Well
- 216-T-31, 216-T-31 French Drain
- 216-T-32, 241-T #1 & 2 Cribs, 216-T-6
- 216-T-33, 216-T-33 Crib
- 216-T-34, 216-T-34 Crib
- 216-T-35, 216-T-35 Crib
- 216-T-36 Crib
- 216-T-4-1D, 216-T-4 Ditch, 216-T-4 Swamp
- 216-T-4-2, 216-T-4-2 Ditch
- 216-T-4A, 216-T-4 Swamp, 216-T-4-1 (P), 216-T-4-1 Pond
- 216-T-4B, 216-T-4 New Pond, 216-T-4-2 (P), 216-T-4-2 Pond
- 216-T-5, 216-T-5 Grave, 216-T-12, 216-T-5 Trench, 241-T-5 Trench
- 216-T-6, 241-T-361 (1&2 Cribs), 216-T-5, 361-T-1&2 Cribs

CHPRC Site Names

- 216-T-7, 216-T-7TF, 216-T-7 Tile Field, 241-T-3 Tile Field
- 216-T-8, 222-T-1 & 2 Cribs
- 216-T-9, Decontamination Trenches, Equipment Decontamination Area
- 216-TY-201, Supernatant Disposal Flush Tank, IMUST
- 216-U-1&2, 361-WR (Crib 2), 216-U-3, 216-UR #1&2 Cribs, 216-U-1 & 2, 216-U-1, 216-U-2
- 216-U-10, U Swamp, 216-U-1, 216-U-10 Pond, 231 Swamp
- 216-U-11, U Swamp Extension Ditch, 216-U-12, 216-U-11 Trench, 216-U-11 Ditch, 216-U-11 (old ditch), 216-U-11 (new ditch)
- 216-U-12, 216-U-12 Crib
- 216-U-14, 216-U-14 Ditch, Laundry Ditch
- 216-U-15, UN-216-W-10, 388-U Tank Dumping, UPR-200-W-125, UN-200-W-158, U-152 Interface Crud Burial
- 216-U-16, UO3 Crib
- 216-U-17, 216-U-17 Crib
- 216-U-3, 216-U-11, 216-U-3 French Drain
- 216-U-4, 222-U Dry Well, 222-U-110 Dry Well, 216-U-2, 216-U-4 Dry Well
- 216-U-4A, 216-U-4 Reverse Well Replacement French Drain, 216-U-4 Dry Well
- 216-U-4B, 216-U-4B Dry Well, 216-U-4B French Drain
- 216-U-5, 216-U-4, 221-U Cold U Trench #2
- 216-U-6, U Facility Un-irradiated Uranium Waste Trench, 221-U Cold U Trench, 216-U Cold U Trench #1, 216-U-5, 221-U Cold U Grave #1
- 216-U-7, 221-U Counting Box French Drain, 221-U Vessel Vent Blower Pit French Drain
- 216-U-8, 216-WR-1,2,3 Cribs, 216-U-9
- 216-W-LWC, 216-W-LC, Laundry Waste Crib, 216-W-LWC Crib, 216-W-1
- 216-Z-1&2, 234-5 No. 1 Crib, 216-Z-7, 234-5 No. 2 Crib, 216-Z-1 & 2TF, 216-Z-1 and 216-Z-2 Cribs
- 216-Z-10, 216-Z-2, 231-W Reverse Well, 231-W-151 Dry Well or Reverse Well, 231-Z Well, 299-W15-51, 231-W-150
- 216-Z-11, 216-Z-11 Ditch, Z Plant Ditch
- 216-Z-12, 241-Z-12 Crib
- 216-Z-15, 234-5 Dry Well #3, 216-Z-15 Dry Well, Miscellaneous Stream #263
- 216-Z-16
- 216-Z-17, 216-Z-17 Ditch
- 216-Z-18, 216-Z-18 Crib
- 216-Z-19, 216-U-10 Ditch, Z Plant Ditch, 216-Z-19 Ditch
- 216-Z-1A, 216-Z-1A Tile Field, 216-Z-7, 234-5 Tile Field, 216-Z-1AA, 216-Z-1AB, 216-Z-1AC

CHPRC Site Names

- 216-Z-1D, 216-Z-1, Drain Ditch to U Swamp, Z Plant Ditch
- 216-Z-20, Z-19 Ditch Replacement Tile Field
- 216-Z-3, 216-Z-3 Culvert, 216-Z-8, 234-5 No. 3 & 4 Cribs
- 216-Z-4, 231-W-3 Pit, 231-W-3 Sump, 231-W-3 Crib, 216-Z-3, 216-Z-4 Crib
- 216-Z-5, 231-W Sumps, 231-W-1 & 2 Cribs
- 216-Z-6, 231-W-4 Crib, 231-Z-6, 216-W-4, 231-W Crib, 216-Z-4, 216-Z-6 & 6A Crib
- 216-Z-7, 231-W Crib, 231-W Trench, 216-Z-6
- 216-Z-8, 234-5 Recuplex French Drain, 216-Z-9, 216-Z-8 Crib
- 216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Covered Trench
- 218-C-9, Dry Waste No.0C9, 218-C-9 Burial Ground
- 218-E-1, 200 East Dry Waste No. 001
- 218-E-10, 200 East Industrial Waste No. 10, Equipment Burial Ground #10
- 218-E-12A, 200 East Dry Waste No. 12A
- 218-E-12B, 200 East Dry Waste No. 12B, 218-E-12B Burial Ground - Trench 94
- 218-E-14, PUREX Tunnel No. 1, PUREX Storage Tunnel
- 218-E-15, PUREX Tunnel No. 2, PUREX Storage Tunnel
- 218-E-2, 200 East Industrial Waste No. 002, Equipment Burial Ground #2
- 218-E-2A, Regulated Equipment Storage Site No. 02A, Burial Trench
- 218-E-4, 200 East Minor Construction No. 4, Equipment Burial Ground #4
- 218-E-5, 200 East Industrial Waste No. 05, Equipment Burial Ground #5
- 218-E-5A, 200 East Industrial Waste No. 005A, Equipment Burial Ground #5A
- 218-E-7, 200 East 222-B Vaults
- 218-E-8, 200 East Construction Burial Grounds
- 218-E-9, 200 East Regulated Equipment Storage Site No. 009, Burial Vault (HISS)
- 218-W-1, 200-W Area Dry Waste No. 001, Solid Waste Burial Ground #1
- 218-W-11, Regulated Storage Site
- 218-W-1A, 200-W Area Industrial Waste Burial Ground #1, Equipment Burial Ground #1
- 218-W-2, 200-W Area Dry Waste No. 002, Dry Waste Burial Ground No. 2
- 218-W-2A, Industrial Waste No. 02A, Equipment Burial Ground #2
- 218-W-3, Dry Waste No. 003
- 218-W-3A, Dry Waste No. 003A
- 218-W-3AE, Industrial Waste No. 3AE, Dry Waste No. 3AE
- 218-W-4A, Dry Waste No. 04A
- 218-W-4B, Dry Waste No. 04B

CHPRC Site Names

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- 218-W-4C, Dry Waste No. 004C, 218-W-4C Annex
 - 218-W-5, Dry Waste Burial Ground, Low-Level Radioactive Mixed Waste Burial Grounds
 - 218-W-7, 222-S Vault
 - 218-W-8, 222-T Vault
 - 218-W-9, Dry Waste Burial Ground No. 9, Non-TRU Dry Waste No. 009
 - 219-S-104, 219-S-TK-104, 219-S Storage Tank 104
 - 231-W-151, 231-W-151 Vault, 231-W-151-001 (Tank), 231-W-151-002 (Tank), 231-W-151 Sump, 231-Z-151 Sump, IMUST (refer to sub-sites)
 - 232-Z, 232-Z Waste Incineration Facility, 232-Z Incineration Facility, 232-Z Incinerator
 - 240-S-151, 240-S-151 Diversion Box
 - 240-S-152, 240-S-152 Diversion Box
 - 240-S-302, 240-S-302 Catch Tank, IMUST
 - 241-A-501, 241-A-501 Contact Condenser Valve Pit
 - 241-AX-153, 241-AX-153 Isolation Jumper Pit
 - 241-AY-501, 241-AY-501 Condensate Valve Pit
 - 241-AZ VP, 241-AZ Valve Pit
 - 241-AZ-154, 241-AZ-154 Catch Tank
 - 241-AZ-155, 241-AZ-155 Contaminated Storage Pit
 - 241-AZ-301, Condensate Receiver Tank
 - 241-B-361, 241-B-361 Settling Tank, IMUST
 - 241-CX-70, 241-CX-TK-70 Tank, Strontium Hot Semi-works, IMUST
 - 241-CX-71, 241-CX-TK-71, 241-CX Neutralization Tank, Strontium Hot Semi-works, IMUST
 - 241-ER-151, 241-ER-151 Diversion Box
 - 241-ER-152, 241-ER-152 Diversion Box
 - 241-ER-153, 241-ER-153 Diversion Box
 - 241-ER-311, 241-ER-311 Catch Tank, 241-ER-311A Replacement Tank
 - 241-ER-311A, 241-ER-311A Catch Tank, old 241-ER-311, Original 241-ER-311 Catch Tank, IMUST
 - 241-EW-151, 241-EW-151 Vent Station Catch Tank, 241-EW-151 Vent Station, Vent Station, 200 Area East-West Vent Station
 - 241-T-361, 241-T-361 Settling Tank, 361-T-TANK, IMUST
 - 241-U-361, 241-U-361 Settling Tank, 361-U-TANK, IMUST
 - 241-WR VAULT, 241-WR Vault (Tanks -001 through -009), 241-WR-01 thru 09, 241-WR Diversion Station Vault, 244-WR Vault, 296-U-6 Stack, IMUST (refer to sub-sites)
 - 241-Z, 241-Z Treatment and Storage Tanks, 241-Z Tank Farm, 241-Z Treatment and Storage System, 241-Z-D-4, 241-Z-D-5, 241-Z-D-7, 241-Z-D-8, 241-Z Sump, 241-Z Tank Pit
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CHPRC Site Names

- 241-Z-361, 241-Z-361 Settling Tank, IMUST
- 241-Z-8, 241-Z-TK-8, Silica Slurry Tank, 216-Z-8, IMUST
- 242-B-151, 242-B Evaporator Building Diversion Box
- 242-T, 242-T Evaporator Facility, 241-T Evaporator
- 242-T-135, IMUST
- 242-T-151, 242-T-151 Diversion Box
- 242-TA-R1, 242-TA, Receiver TK-Vault, 242-TA Receiver Tank Vault, Z Waste, Receiver Tank TK-R1, IMUST
- 244-AR VAULT, 244-AR Vault
- 244-U-2904, 244-U Flush Pit
- 2607-EE, 2607-EE Septic System
- 2704-C-WS-1, 2704-C French Drain, Gatehouse French Drain
- 270-E-1, 270-E CNT, 270-E Condensate Neutralization Tank, 216-ER-1, IMUST
- 270-W, 270-W Tank, 270-W Neutralization Tank, IMUST
- 2718-E-WS-1, 2718 French Drains
- 2904-S-160, 2904-S-160 Control Structure, 2904-S-160 Weir
- 2904-S-170, 2904-S-170 Weir Box, 2904-S-170 Control Structure
- 2904-S-171, 2904-S-171 Weir Box, 2904-S-171 Control Structure, 216-S-171
- 291-C, 291-C Filter/Fan House, 291-C Fan and Filter Building, 201-C Air Tunnel
- 291-C-1, 291-C-1 Stack, 291-C Stack Burial Trench
- 299-E24-111, Experimental Test Well Site, Miscellaneous Stream 803
- 600 OCL, 600 Area Original Central Landfill, Original CLF
- 600-118, Hot Spot Northwest of Gable Mountain Pond, Contaminated Soil Northwest of Gable Mountain Pond
- HSVP, Hot Semiworks Valve Pit, 201-C Diversion Box, Semiworks Valve Pit
- UPR-200-E-1, Waste Line Failure on South Side of 221-B
- UPR-200-E-10, Contaminated PUREX Railroad Spur, UN-200-E-10
- UPR-200-E-100, Radioactive Contamination Near 244-A Lift Station, UN-216-E-100, UN-216-E-29, UN-200-E-100
- UPR-200-E-101, UN-216-E-30, UN-216-E-101, UN-200-E-101, Radioactive Spill Near 242-B Evaporator
- UPR-200-E-103, UN-200-E-103, BCS Line Leak South of R-17 at 221-B
- UPR-200-E-11, Railroad Track Contamination Spread, UN-200-E-11
- UPR-200-E-112, UN-200-E-112, Contaminated Railroad Track from B-Plant to the Burial Ground
- UPR-200-E-117, Contaminated Liquid Spill, UN-200-E-117

CHPRC Site Names

- UPR-200-E-12, Contaminated PUREX Railroad Spur, UN-200-E-12
- UPR-200-E-13, Overflow from 216-A-4, UN-200-E-13, UPR-200-E-15
- UPR-200-E-138, Liquid release from B-Plant, UN-200-E-138, UPR-200-W-66
- UPR-200-E-14, UN-200-E-14, 216-B-3 Pond Dike Break
- UPR-200-E-143, Contamination Adjacent to 244-A Lift Station, UN-216-E-43
- UPR-200-E-144, Soil Contamination North of 241-B, UN-216-E-44
- UPR-200-E-145, W049H Green Soil, VCP Pipeline Leak
- UPR-200-E-15, Overflow at 216-A-4, UN-200-E-15, UPR-200-E-13
- UPR-200-E-17, Overflow at 216-A-22, UN-200-E-17
- UPR-200-E-18, Contamination Release at the 216-A-8 Sampler Pit, UN-200-E-18
- UPR-200-E-19, Contamination Release at 216-A-6 Sampler, UN-200-E-19
- UPR-200-E-2, UN-200-E-2, Spotty Contamination Around the B and T Plant Stacks
- UPR-200-E-20, Contaminated PUREX Railroad Spur, UN-200-E-20
- UPR-200-E-21, 216-A-6 Overflow, UN-200-E-21
- UPR-200-E-22, 291-A-1 Stack Fallout Area, UN-200-E-22,
- UPR-200-E-28, Contamination Release Inside the PUREX Exclusion Area, UN-200-E-28
- UPR-200-E-29, 216-A-6 Overflow, UN-200-E-29
- UPR-200-E-3, Line leak from 221-B to 241-BX-154, UN-200-E-3
- UPR-200-E-32, UN-200-E-32, Coil Leak from 221-B
- UPR-200-E-33, Contaminated PUREX Railroad tracks, UN-200-E-33
- UPR-200-E-34, Liquid Release to B-Pond and Gable Pond, UN-200-E-34
- UPR-200-E-35, Buried Contaminated Pipe, UN-218-E-1, 218-E-13
- UPR-200-E-36, Contamination Spread North of Semi-works, Road Contamination North of Semiworks, UN-200-E-36
- UPR-200-E-38, Release from 241-B-152, UN-200-E-38, UN-216-E-4
- UPR-200-E-39, Release from 216-A-36B Crib Sampler (295-A), UN-200-E-39
- UPR-200-E-41, UN-200-E-41 Soil Contamination in the Vicinity of R-13 Stairwell (221-B), UPR-200-E-85
- UPR-200-E-44, UN-200-E-44, BCS Waste Line Leak South of 221-B
- UPR-200-E-51, Liquid Release from PUREX to B-Pond, UN-200-E-51
- UPR-200-E-52, UN-200-E-52, Contamination Spread Outside the North Side of 221-B
- UPR-200-E-53, UN-200-E-53, Contamination at 218-E-1
- UPR-200-E-56, 216-A-24 Crib Excavation, Excavated Contamination Adjacent to 216-A-24 Crib, UN-200-E-56, UN-216-E-33
- UPR-200-E-64, Radioactive Soil and Ant Hills, UN-200-E-64, UN-216-E-36

CHPRC Site Names

- UPR-200-E-66, 216-A-42 Basin Contamination Release, UN-216-E-66, UN-200-E-66
- UPR-200-E-68, Radioactive Contamination Spread, UN-216-E-68, UN-200-E-68
- UPR-200-E-69, UN-216-E-69, Railroad Car Flush Water Radioactive Spill, UN-200-E-69
- UPR-200-E-7, UN-200-E-7, Cave-In Near 216-B-9 (241-B-361 Crib)
- UPR-200-E-72, Radioactive Contamination from Uncovered Buried Waste, UN-200-E-72
- UPR-200-E-79, UN-216-E-7, 242-B to 207-B Line Break, UN-200-E-79
- UPR-200-E-80, UN-216-E-8, 221-B R-3 Line Break, R-3 Radiation Zone, UN-200-E-80
- UPR-200-E-83, UN-216-E-11, BC Cribs Controlled Area, BC Controlled Area, UN-200-E-83
- UPR-200-E-84, 241-ER-151 Catch Tank Leak, UN-200-E-84, UN-216-E-12
- UPR-200-E-85, Line Leak at 221-B Stairwell R-13, UN-216-E-13, UPR-200-E-41, UN-200-E-85, UN-200-E-41
- UPR-200-E-87, UN-216-E-15, 224-B South Side Plutonium Ground Contamination, UN-200-E-87, 216-E-15
- UPR-200-E-88, TC-4 Spur Contaminated Railroad Track, UN-216-E-88, UN-216-E-16, UN-200-E-88. Ground Contamination Around the Western PUREX Railroad Spur
- UPR-200-E-89, UN-216-E-17, UN-200-E-89, Contamination Migration to the North, East & West of BX-BY Tank Farms
- UPR-200-E-9, Liquid Overflow at 216-BY-201, UN-200-E-9
- UPR-200-E-90, UN-216-E-18, Ground Contamination around B Plant Sand Filter, UN-216-E-90, Radioactive Spill Near 221-B Building, UN-200-E-90
- UPR-200-E-94, Vehicle Decontamination Area, UN-216-E-22, UN-200-E-94
- UPR-200-E-95, UN-216-E-23, UN-200-E-95, Ground Contamination Around RR Spur Between 218-E-2A and 218-E-2
- UPR-200-E-96, Ground Contamination SE of PUREX, UN-216-E-24, UN-200-E-96
- UPR-200-E-97, Ground Contamination Around Cribs South of PUREX, Contamination Near PUREX Railroad Tunnel, UN-216-E-25, UN-200-E-97
- UPR-200-E-98, UN-216-E-26, Ground Contamination East of C Plant (Hot Semi Works), UN-200-E-98
- UPR-200-W-10, UN-200-W-10, Contamination Spread at 203-S UNH Tanks
- UPR-200-W-101, UN-216-W-9, 221-U Acid Spill R-1 through R-9, UN-200-W-101
- UPR-200-W-102, UN-216-W-12, UN-200-W-102, 224-T Underground Line Leak
- UPR-200-W-103, 216-Z-18 Line Break, UN-216-W-13, UN-200-W-103, Pipe Line Leak
- UPR-200-W-104, UN-216-W-14, 216-U-10 Pond Leach Trench, U Pond Fingers
- UPR-200-W-105, UN-216-W-15, 216-U-10 Pond Leach Trench
- UPR-200-W-106, UN-216-W-16, 216-U-10 Pond Leach Trench
- UPR-200-W-107, UN-216-W-17, 216-U-10 Pond Flood Plain

CHPRC Site Names

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- UPR-200-W-108, Line leak at 216-S-9 Crib, UN-216-W-18, UN-200-W-108
 - UPR-200-W-109, Waste Line Leak near 218-W-9, UN-216-W-19, UN-200-W-109
 - UPR-200-W-110, Contaminated Soil from 216-Z-1, UN-216-W-20 Spoil Trench
 - UPR-200-W-111, Sludge Trench at 207-U, UN-216-W-21
 - UPR-200-W-112, Sludge Trench at 207-U, UN-216-W-22
 - UPR-200-W-114, UN-216-W-24, Ground Contamination East of 241-SX Tank Farm, UN-200-W-114
 - UPR-200-W-115, UN-216-W-25, Ground Contamination above Transfer Line Along Cooper Street
 - UPR-200-W-116, UN-216-W-26, Ground Contamination North of 202-S, UN-200-W-116
 - UPR-200-W-117, Railroad Track Contamination, 221-U Railroad Cut Contamination, UN-216-W-27, UN-200-W-117
 - UPR-200-W-118, Contamination at 211-U, UN-216-W-28, UN-200-W-118
 - UPR-200-W-123, 204-S Unloading Facility Frozen Discharge Line, UN-200-W-123
 - UPR-200-W-124, Dike Break at the REDOX Pond, UN-200-W-124
 - UPR-200-W-13, Liquid Release from REDOX to 207-S and 216-S-17 Pond, UN-200-W-13
 - UPR-200-W-130, Line Leak at 231-W-151 Sump, UN-200-W-130
 - UPR-200-W-137, 218-W-7, UN-200-W-137
 - UPR-200-W-138, 221-U Vessel Vent Blower Pit French Drain, UN-216-W-11, UN-200-W-138, UN-200-W-22, UPR-200-W-22
 - UPR-200-W-139, Liquid Release to the 216-U-9 Ditch, UN-200-W-139, UPR-200-W-18
 - UPR-200-W-14, Waste Line Leak at 242-T Evaporator, UN-200-W-14
 - UPR-200-W-15, Liquid Release from REDOX to 207-S and 216-S-17 Pond, UN-200-W-15
 - UPR-200-W-16, Fire at 218-W-1 Burial Ground
 - UPR-200-W-160, Line Break at 241-TX-302C, UPR-200-W-38, UPR-200-W-40, 216-T-30
 - UPR-200-W-161, UN-216-W-35, UN-200-W-161, Large Area east of 241-U Tank Farm
 - UPR-200-W-162, Contaminated Area on East Side of 221-U, UN-216-W-37
 - UPR-200-W-163, Contaminated Vegetation at the 216-U-8 Pipeline (200-W-42), UN-216-W-33
 - UPR-200-W-164, Overhead UNH Line Leak, UN-216-W-29
 - UPR-200-W-165, Contamination Area East of 241-S, UN-216-W-30
 - UPR-200-W-166, Contamination Migration from 241-T Tank Farm, UN-216-W-31
 - UPR-200-W-19, 241-U-361 Overflow, UN-200-W-19
 - UPR-200-W-2, UN-200-W-2, Underground Waste Line Leak
 - UPR-200-W-23, Waste Box Fire at 234-5Z, UN-200-W-23
 - UPR-200-W-26, Contamination Spread During Burial Operation
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CHPRC Site Names

- UPR-200-W-29, Transfer Line Leak, UN-200-W-29, UPR-200-W-27, UN-200-W-27, UN-216-W-5, 23rd and Camden Line Break
- UPR-200-W-3, Railroad Contamination, UN-200-W-3
- UPR-200-W-32, UNH Transfer Line Break, UN-200-W-32
- UPR-200-W-33, Ground Contamination at 224-U, UN-200-W-33
- UPR-200-W-34, Overflow of the 216-S-10 Ditch, UN-200-W-34
- UPR-200-W-35, Ground Contamination Near UNH Process Line, UN-200-W-35, REDOX to 224-U UNH Line Leak
- UPR-200-W-36, Groundwater Contamination at 216-S-1 and 216-S-2
- UPR-200-W-38, Line Break at 241-TX-302C, UPR-200-W-160, UPR-200-W-40, UN-200-W-38, 216-T-30
- UPR-200-W-39, UN-200-W-39, 224-U Buried Contamination Trench
- UPR-200-W-4, Railroad Contamination, UN-200-W-4
- UPR-200-W-41, Railroad Contamination, UN-200-W-41, REDOX Railroad Cut Contamination
- UPR-200-W-45, Burial Box Collapse
- UPR-200-W-46, Contaminated Railroad Track, H-2 Centrifuge Burial, UN-200-W-46
- UPR-200-W-47, 216-S-16P Dike Release, UN-200-W-47
- UPR-200-W-49, Contamination Southeast of 241-SX, UN-200-W-49
- UPR-200-W-51, Release from 241-S Diversion Box, UN-200-W-51, UPR-200-W-52
- UPR-200-W-52, Release from 241-S Diversion Box, UN-200-W-52
- UPR-200-W-53, Burial Box Collapse
- UPR-200-W-55, Uranium Powder Spill at 224-U, UN-200-W-55
- UPR-200-W-58, Railroad Track Contamination, UN-200-W-58
- UPR-200-W-59, Contaminated Liquid Released to 216-S-16P
- UPR-200-W-60, Railroad Contamination, UN-200-W-60
- UPR-200-W-61, REDOX Ground Contamination, UN-200-W-61
- UPR-200-W-62, UN-200-W-62, Line Leak at 23rd and Camden, UN-216-W-5, Duplicate of UPR-200-W-97
- UPR-200-W-63, Road Contamination along the South Shoulder of 23rd Street, UN-200-W-63
- UPR-200-W-64, Road Contamination at 23rd and Camden, UN-200-W-64
- UPR-200-W-65, Contamination in the T-Plant Railroad Cut, UN-200-W-65
- UPR-200-W-67, Contamination near 2706-T, UN-200-W-67
- UPR-200-W-69, Railroad Contamination, UN-200-W-69
- UPR-200-W-70, Contamination Found at the 200 West Burning Ground East of Beloit Ave.
- UPR-200-W-72, Contamination at 218-W-4A

CHPRC Site Names

- UPR-200-W-73, Contaminated Railroad Track at 221-T, UN-200-W-73
- 200-W-249, 2736-ZB and 2736-ZC Concrete Slabs
- UPR-200-W-8, UN-200-W-8, 200-W-5, Old Burial/Burning Pit, U-Plant Burning Pit/Burial Ground
- UPR-200-W-82, UN-200-W-82, Contamination Spread at 240-S-151
- UPR-200-W-83, Radioactive Spill Near 204-S Radiation Zone, UN-216-W-82, UN-200-W-83
- UPR-200-W-86, Contaminated Pigeon Feces at 221-U and 204-S, UN-200-W-86, UN-216-W-86
- UPR-200-W-95, UN-216-W-2, 207-S Retention Basin
- UPR-200-W-96, UN-216-W-4, 233-S Floor Overflow, 233-SA Floor Overflow
- UPR-200-W-97, Transfer Line Leak, UN-216-W-5, UN-200-W-97
- UPR-200-W-98, UN-216-W-6, 221-T Waste Line Break at R-19, UN-200-W-98
- UPR-200-W-99, UN-216-W-7, 241-153-TX Diversion Box Contamination Spread, UN-200-W-99
- UPR-600-12, UN-600-12, UNH Spill to Route 4S
- UPR-600-20, UN-216-E-41, Cross Country Transfer Line Contamination, Cross Site Transfer Line, V360, V361, V362, V363, V364, V366; Cross Site Transfer Pipeline
- 200-E-294; 209-E Slab; Demolished 209-E Critical Mass Laboratory Building Foundation; Potential Asbestos in Soil
- 200-E-293; 2718-E Contaminated Concrete Slab, 2718-E Foundation
- 200-E-238-PL; Pipeline from 206-A to 216-A-9 Crib
- 200-E-24; 2704-HV Septic System; 6607-11
- 200-E-231-PL; 216-A-45 Crib Pipeline
- 241-C-154; 241-C-154 Diversion Box
- 200-E-217-PL; Encased Transfer Line from 241-ER-151 Diversion Box to 241-BX Tank Farm; Lines 9808, 9653, 9719 and V225
- 200-W-157-PL; Pipeline from 202-S to 200-W-152-PL and 216-S-10 Ditch; Pipeline from 205-S to REDOX Chemical Sewer; REDOX Chemical Sewer
- 200-W-186-PL; Lines 1006 and 1045; Transfer Lines from 240-S-152 Diversion Box to 204-S and 205-S
- 200-W-212-PL; Encased Transfer Line from 240-S-151 Diversion Box to Pipeline 200-W 153-PL; Lines V550, V551, V544, V546, V548 and V549
- 200-W-239; 211-U and 211-UA Potential Asbestos in Soil; Post Remediation URMA
- 200-W-152-PL; 207-S Retention Basin and 216-S-17 Pond; Pipeline from 202-S to 2904-S-170; REDOX Process Sewer
- 200-W-157-PL; Pipeline from 202-S to 200-W-152-PL and 216-S-10 Ditch; Pipeline from 205-S to REDOX Chemical Sewer; REDOX Chemical Sewer
- 200-W-221-PL; Laundry Waste Crib (LWC) Pipeline
- 600-387; 212-R Rail spur Legacy Contamination

CHPRC Site Names

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- 200-W-153-PL; Steel Pipeline from 240-S-151 Diversion Box to the 2904-S-172 and 2904-S-171 Control Structures via 200-W-212-PL
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6.2 Washington Closure Hanford

Outdoor radiological waste sites under the River Corridor Cleanup Project (RCCP) are responsibility of WCH and are surveyed at least annually to provide a level of assurance that the contamination controls for the various waste sites are effective. Annual Radiological surveys scheduled for some sites under the RCCP may not be performed as scheduled. The RCCP survey schedule is only a recommendation and the surveys may not be performed as scheduled due to various closure project activities and schedules. Several of these sites, are undergoing remediation and receive frequent radiological surveys, while other sites complete remediation and await final approval for release.

WCH Site Names

- 100-N-83; Two Contamination Areas found near 116-N-1
- 100-H-58; Mud Dauber Nests on Active Powerlines in H Area
- 100-H-59:2; Debris Piles near 100-H Railroad Track
- 300-288:2; Piles of Garnet Sand/Soil Mixture Within Gravel Pit 6
- 600-326; Black Material
- 600-329; Concrete Outfall Structure
- 600-385; Segment 4 Transite, Concrete, Metal Debris
- 600-393; Potential Battery Component Debris Area
- 618-11; Y Burial Ground

6.3 Washington River Protection Solutions

Outdoor radiological waste sites under the responsibility of WRPS are radiologically surveyed at least once per year. Surveys that are more frequent are performed, if warranted, to provide assurance that contamination and migration controls are effective. Visual inspections for housekeeping, proper posting, subsidence, animal or plant intrusion, etc., are also performed, at a minimum, on an annual frequency. WRPS performs radiological surveys in accordance with TFC-ESHQ-RP-MON-P-10, *Required Radiological Surveillances*. The WRPS annual survey site list is provided here.

WRPS Site Names

- 200-W-54; 241-SY North Area and 241-S/SX East area both large URMA; CA
- 240-S-151; 202-S Redox North inside fence; CA
- 240-S-302; 202-S Redox North inside fence; CA
- 241-ER-151; 151-ER Area Quarterly CA unoccupied perimeter; CA
- 241-ER-152; 152-ER CA unoccupied perimeter; CA
- 241-ER-153; 151-ER Area inside CA; CA
- 241-ER-311; 151-ER Area inside CA; CA
- 241-ER-311A; 151-ER Area inside CA; CA
- 242-T; 241-T Evaporator outside around building; CA
- 244-AR ; 244-AR Unoccupied CA perimeters outside around the building; CA
- 200-E-131; East of 241-A/AX/AZ Contamination migration outside farms; CA
- 200-E-132; South and East of 241-A/AX/AZ Contamination migration; CA
- 200-W-240; Large CA West of 242-S across road; CA
- 200-W-241; CA North of Cooper Ave. and West of 242-S; CA
- 200-W-96; Contaminated Soil outside farms unoccupied CA boundary; CA
- 241-A-151; 202-A PUREX South side Diversion Box; CA
- 241-A-302A; 202-A PUREX South side Catch tank; CA
- 241-A-302B; 241-A East side inside of CA at 200-E-131 East of 241-A; CA
- 241-AZ; East outside farm fence unoccupied CA; CA
- 241-BX-302-C; N/W corner of Atlanta and Baltimore, South of 241-BX Farm; CA
- 241-TX-154; T-Plant behind building East side Diversion Box; CA
- 241-TX-302C; T-Plant behind building East side catch tank; CA
- UPR-200-E-19; East side of parking lot for AW trailer village; CA
- UPR-200-W-113; TX-155 Area spills; CA
- UPR-200-W-135; Spill North West of TX-155; CA
- UPR-200-W-76; 241-TX-155 Area; CA

WRPS Site Names

- 200-E-287; 600-269 Pipeline berm contaminated vegetation; CA
- 242-T-135; 241-T Evaporator North side IMUST Tank; CA/RA
- 244-A CT; 244-A Receiver Tank; CA/RA
- 244-A LS; 244-A Lift Station; CA/RA
- 231-W-151; 231-Z Diversion Box East of building; RA
- 241-AX-151; Corner of 4th and Buffalo; RA/CA
- 200-E-121; SCA East of Baltimore Avenue; SCA
- UPR-200-W-38; Line break at 241-TX-302C; SCA
- 200-E-120; Two Large SCAs East of 241-B; SCA
- 200-W-95; 241-U East side; SCA
- UPR-200-E-77; 241-B-154 Diversion Box spill; SCA
- 200-E-111-PL; ER-151 to 241-C and 244-AR; URMA
- 200-E-114-PL; 241-BY Tank Farm to 241-C and BC cribs; URMA
- 200-E-115; Small URMA East of 241-C Tank Farm; URMA
- 200-E-116-PL; 241B-154 Diversion box to 241-C-152 Diversion Box; URMA
- 200-E-121; URMA East of Baltimore Avenue; URMA
- 200-E-129; URMA on East side of B Plant railroad cut; URMA
- 200-E-145-PL; Interplant Transfer Line from 241-CR-153 to 241-ER-153/152/151; URMA
- 200-E-147-PL; Interplant Transfer Line from 241-CR-153 to 241-ER-153/152/151; URMA
- 200-E-149-PL; 241-C-252 to 201-C Hot Semi Works tank farm pipeline; URMA
- 200-E-150-PL; 244-CR-TK-003 to 201-C Hot Semi Works tank farm pipeline; URMA
- 200-E-153-PL; 241-C-151 to 244-AR-TK-002 Tank Farm pipeline; URMA
- 200-E-167-PL; 244-A to 241-A-A/-A-B Valve pits North of 204-AR; URMA
- 200-E-29; 152-ER, from Atlanta Ave. around 152-ER; URMA
- 200-E-4; 209-E French Drain; URMA
- 200-E-43; TC-4 fenced in area, rail car storage area; URMA
- 200-W-100-PL; 241-UX-154to 241-SX-152 Diversion Box; URMA
- 200-W-105-PL; 241-UX-154 to 241-TX Tank Farm; URMA
- 200-W-129-PL; 241-T-151 and 152 to 241-TX-155; URMA
- 200-W-13; Green Hut Complex area; URMA
- 200-W-130-PL; 241-T-151 and 152 to 241-U-151 Diversion Box; URMA
- 200-W-131-PL; 241-TX-153 to 200-W-130PL; URMA
- 200-W-132-PL; 221-T to 241-T-151 and 241-T-152; URMA
- 200-W-143-PL; 241-TX-154 Diversion Box to 241-TX-152 and 241-TX-155; URMA
- 200-W-53; 241-T East outside fence side large area; URMA

WRPS Site Names

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- 200-W-54; 241-SY 241-S/SX East of farms large URMA; URMA
 - 200-W-7; Decon facility catch tank; URMA
 - 200-W-78-PL; Areas East of 241-TY; URMA
 - 200-W-97-PL; 240-S-151 to 241-S-151; URMA
 - 200-W-98-PL; 240-S-151 to 241-U-153; URMA
 - 200-W-99-PL; 241-U-151 to 241-S-151; URMA
 - 209-E-WS-2; 209-E West side French Drain; URMA
 - 209-E-WS-3; 209-E South Side French Drain; URMA
 - 216-A-40; Retention Basin South of 244-A LS; URMA
 - 216-BY-201; 241-BY North side IMUST Tank; URMA
 - 216-C-7; 209-E South Side Crib; URMA
 - 216-C-8; 271-CR Crib; URMA
 - 231-W-151; 231-Z Diversion Box East of building; URMA
 - 240-S-151; 202-S Redox North inside fence; URMA
 - 240-S-152; 202-S Redox North outside fence; URMA
 - 241-EW-151; East/West Vent Station; URMA
 - 241-Z-8; Tank East of 234-5; URMA
 - 244-AR; 244-AR South side Bldg. URMA; URMA
 - 2607-WUT; 241-U North side Drain field; URMA
 - 2607-WZ; E241-SX South Side URMA; URMA
 - GTF; Grout Buildings; URMA
 - GTFL; Grout Vaults; URMA
 - UPR-200-E-100; Spill next to 244-A lift station; URMA
 - UPR-200-E-143; URMA next to 244-A Lift station; URMA
 - UPR-200-E-145; East of 242-A; URMA
 - UPR-200-E-18; URMA at A-8 Sampler pit inside unoccupied CA (URMA boundary); URMA
 - UPR-200-E-45; Spill at the corner of Baltimore and 7th St.; URMA
 - UPR-200-E-72; East of 241-CR Vault; URMA
 - UPR-200-E-84; 241-ER-151 Catch Tank leak unoccupied CA perimeter; URMA
 - UPR-200-W-115; URMA along cooper; URMA
 - UPR-200-W-130; Line leak at 231-W-131; URMA
 - UPR-200-W-14; 242-T Line leak; URMA
 - UPR-200-W-161; Large area East of 241-U Tank Farm; URMA
 - UPR-200-W-29; Line break at 23rd and Camden; URMA
 - UPR-200-W-38; Line break at 241-TX-302C; URMA
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WRPS Site Names

- UPR-200-W-64; Road contamination at 23rd and Camden; URMA
- UPR-200-W-67; URMA near 2706-T; URMA
- UPR-200-W-82; Contamination spread at 240-S-151; URMA
- UPR-200-W-97; Transfer Line Leak 23rd St. and Camden Avenue; URMA
- UPR-600-20; Old Interplant (Cross Site) Transfer Line; URMA
- UPR-600-20; Four separate URMA's including mound near vent station; URMA
- 200-E-120; Large area East of 241-B Tank Farm; URMA
- 200-E-133; URMA on South side of 241-C inside and outside fence; URMA
- 200-E-143-PL; URMA North of 244-A Lift station; URMA
- 200-E-144-PL; 241-CR-153 to 241-AX-151; URMA
- 200-E-148-PL; 241-C-151 to 241-A-01A; URMA
- 200-E-151-PL; 241-C-104 to 241-A-152; URMA
- 200-E-152-PL; 241-C-104 to 241-A-152; URMA
- 200-E-154-PL; 241-C-151 to 241-AX01A Tank Farm Pipeline; URMA
- 200-E-155-PL; 241-C East to Buffalo Ave.; URMA
- 200-E-207-PL; 241-A to West of 272-AW to 202-A; URMA
- 200-E-210-PL; Pipeline from 241-AW Farm to 242-A Evaporator building; URMA
- 200-E-211-PL; Pipeline from 241-AW Farm to 242-A Evaporator building; URMA
- 200-E-212-PL; Pipelines between 241-AP and 241 AW; URMA
- 200-E-218-PL; West of AW-farm; URMA
- 200-E-234-PL; Pipeline from 242-A Evaporator to 207-A Basin; URMA
- 200-E-275-PL; Cooling water Pipeline & cover block to 216-A-40; URMA
- 200-E-282-PL; Pipelines West from AX-151 then South to 202-A; URMA
- 200-E-288-PL; (PC-5000 Transfer line) from 242-A to 207-A Basin to LERF; URMA
- 200-E-290-PL; 271-CR to 216-C-8 French Drain; URMA
- 200-E-291-PL; 241-C-106 to 241-AY-102; URMA
- 200-W-126; 241-T South West side; URMA
- 200-W-189-PL; SY-101/103 to 219-S; URMA
- 200-W-95; 241-U East side; URMA
- 241-A-A; Pipeline from 204-AR East to 241-A-A; URMA
- 241-AR-151; 244-AR North side Diversion Box; URMA
- 241-AZ-301; Transfer line AY101 to AZ-301 DR-AY-1 East of 702-AZ building; URMA
- 241-C-154; East of 209-E big ash pile; URMA
- 241-TX-152; Diversion box East of TY Farm on hill side; URMA
- 241-TX-155; 241-TX East of farm on hill side near rail road tracks; URMA

WRPS Site Names

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- 241-TX-302B; 241-TX East of farm on hill side near rail road tracks; URMA
 - 241-TX-302BR; 241-TX East of farm on hill side near rail road tracks; URMA
 - 2607-EG; 271-CR North East of Control Room; URMA
 - 296-A-13; 291-AR Filter Bldg. Stack; URMA
 - 600-269; New cross site transfer line 241-AP to 241-SY; URMA
 - UPR-200-E-42; East of 241-AX-151 Mound; URMA
 - UPR-200-E-67; Parking area East of 242-A; URMA
 - UPR-200-E-77; 241-B-154 Diversion Box spill; URMA
 - UPR-200-E-78; 241-BX-155 by Atlanta Avenue; URMA
 - UPR-200-E-99; Adjacent to 244-AR Vault; URMA
 - UPR-200-W-113; TX-155 area spills; URMA
 - UPR-200-W-131; Areas East of TX-155; URMA
 - UPR-200-W-167; 244-A to 241-A-A/-A-B Valve pits N. of 204-AR; URMA
 - UPR-200-W-28; TX-155 area spill; URMA
 - UPR-200-W-5; South West of 241-TX-155; URMA
 - UPR-200-W-50; Bone yard road; URMA
 - UPR-200-W-6; Contamination spread from 241-U-151/ 241-U-152 Diversion Boxes; URMA
 - UPR-200-W-76; 241-TX-155 Area; URMA
 - 200-E-197-PL; 241 BR-152 West to 241-B; URMA
 - 200-E-208-PL; 241-BY Tank Farm to 241-B-252 Diversion Box; URMA
 - 200-E-220-PL; 241-BY to 216-BY Flush Tank; URMA
 - 200-E-225-PL; 241-AR-151 to 241-AY-102 Tank; URMA
 - 200-E-229-PL; 241-AP-102 and 241-A-B) SN650; URMA
 - 242-A; Large URMA behind 242-A Evaporator; URMA
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CA	contamination area
RA	radiation area
SCA	soil contamination area
URMA	underground radioactive material area

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