

APPENDIX S

WASTE INVENTORIES FOR CUMULATIVE IMPACT ANALYSES

Integral to development of the inventory data set for the cumulative impact analyses presented in this *Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington* was identification of those waste sites potentially contributing to cumulative impacts on groundwater. Their identification involved two semi-independent, convergent processes: a Waste Information Data System screen and a technical baseline review.

S.1 WASTE INFORMATION DATA SYSTEM SCREEN

The Waste Information Data System (WIDS) screen began with the universe of sites reflected in the *Hanford Site Waste Management Units Report* (Shearer 2005a), also referred to as the “WIDS database,” and focused on the assignment of each site to one of two classes: (1) those sites that potentially contribute significantly to cumulative impacts and (2) those sites that are not expected to contribute significantly to cumulative impacts. The WIDS database is an environmental database specific to the Hanford Site (Hanford) and includes information on the waste sites identified at Hanford. The objectives of the WIDS screening process are presented in Table S-1.

Table S-1. Objectives of Waste Information Data System Screening

Objective 1	Identify all potential groundwater sources (radioactive and chemical).
Objective 2	Confirm and screen out <i>de minimis</i> sources.
Objective 3	Identify inventories and associated information (e.g., end states) for screened groundwater sources.
Objective 4	Further screen sites remaining after completion of Objective 3 with risk/hazard analysis.
Objective 5	Record the source by name, location, source type, and reference.
Objective 6	Seek additional documentation from site owners.

Overall strategy for the screening involved the following four steps:

1. Reviewing approximately 2,800 WIDS sites included in the *Hanford Site Waste Management Units Report* (Shearer 2005a).
2. Applying the screening rules as described below.
3. Confirming the site locations using the Hanford Site Atlas (BHI 2001).
4. Performing quality assurance verifications of the sites that failed each round of screening and were therefore not included in the cumulative impacts inventory data set.

In preparation for the screening (step 2 above), various rules were specified for retaining sites as potentially significant contributors to cumulative impacts or for eliminating them from consideration. Those rules and the assignment of site screen codes are described in the following sections.

S.1.1 Screen 1 Rules

Screen 1 involved reviewing all WIDS sites and asking the question: Is this site a potential source to include in the *Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington (TC & WM EIS)* cumulative impacts analysis?

If the answer to the question was “Yes,” the site passed the Screen 1 test and was assigned a Screen 1 reason code, as follows:

1. Known inventory + potential for release
2. Reported cleanup + possible residual contamination
3. Unknown inventory

If the answer to the question was “No,” the site failed the Screen 1 test and was assigned a Screen 1 reason code, as follows:

1. WIDS status for the site is rejected as a potential waste site and not reclassified as accepted for continued consideration in WIDS; plus, the site is inactive and has a description consistent with the designated WIDS status.
2. Site is a duplicate site.
3. Site has been consolidated with another WIDS site; sources for the consolidated site become part of the “parent” site.
4. Site is included in the *TC & WM EIS* alternatives. Facilities and equipment of the single-shell tank system are described in RPP-15043, *Single-Shell Tank System Description* (Field 2003).
5. Site is a satellite storage/accumulation site.

S.1.2 Screen 2 Rules

Screen 2 involved a review of all WIDS sites that passed the Screen 1 test and further screening based on the WIDS classification system for sites as potential waste sites.

WIDS sites were assigned a “No” (fail) for Screen 2 for any of the following WIDS classifications. (All of these “No” sites received an additional evaluation to determine if the *TC & WM EIS* team was in agreement with the classification, and some “No” sites were changed to “Yes” sites regardless of the WIDS classification if the *TC & WM EIS* team believed the site required further consideration or the information for its classification was not clear.)

- Rejected
- Accepted, then reclassified as rejected
- Accepted, then reclassified as “No Action” or “Closed Out”

WIDS sites were assigned a “Yes” (pass) for Screen 2 for all “Accepted” classifications.

S.1.3 Screen 3 Rules

Screen 3 involved a review of all WIDS sites that passed the Screen 2 test and focused on the waste types. Sites that met the criteria listed below under the Screen 3 rules were rejected.

General Screen 3 rules for all waste types were as follows:

- Non-liquid-effluent areas previously identified as contaminated areas that are not currently posted as such are assumed to contain no active contamination and do not pass through Screen 3.
- If the constituent distribution coefficient (K_d) is greater than 10, there was complete retention of the constituent in the vadose zone and the contamination was removed; consequently, there was no release to the groundwater and the site does not pass through Screen 3.
- If the site is not a groundwater source, then the site does not pass through Screen 3. For example, if the site is an outfall to the river, within 100 meters (328 feet) of the river shoreline, or within the river floodplain, then the site is not considered to be a source of groundwater contamination.
- If the release consists primarily of a petroleum product or polychlorinated biphenyls, then the site does not pass through Screen 3. Releases that contained polychlorinated biphenyls may continue for consideration if they are part of a large liquid release or solid disposal.

Screen 3 rules for each specific waste type are listed in Table S–2.

Table S–2. Screen 3 Rules of the Waste Information Data System for Specific Waste Types

Waste Type	Rule
Abandoned chemicals	No, if the quantities are laboratory or bench scale.
Abandoned pipe trench	No, if remediation is expected.
Animal waste	Yes, if the animals or animal byproducts were associated with radiological experiments or unknown.
Asbestos	No, if the only constituent of concern is asbestos; the site may contain demolition/building debris and miscellaneous trash.
Ash	No, if EP Toxicity Testing indicates it is nontoxic.
Barrels/drums/buckets/cans	No, if their content is clearly not associated with nuclear materials production/processing.
Batteries	No, if the site contains only batteries.
Building floor drains	No, if the building is clearly not associated with nuclear materials production/processing.
Bunker pipeline	No, if it is a petroleum-carrying pipeline.
Burial ground	Yes, but only if it is the site of a process- or production-related release or unknown.
Chemicals	Yes, but only if their release was production-related or unknown.
Chemical release	Yes, but only if it was production-related or unknown.
Construction debris	Yes, if it contains radioactive contaminants or unknown.
Contaminated ramp	Yes, if the contaminants are radioactive or unknown.
Contaminated soil	Yes, if it contains radioactive or chemical contaminants for which there is no remediation or unknown.
Contamination area	Yes, if it contains radioactive or chemical contaminants for which there is no remediation; no, if it is clearly only surface contamination or unknown.
Control structure	Yes, if it contains radioactive contaminants or unknown.
Demolition and inert waste	No, unless there is evidence of chemical or radioactive production waste.
Dry well	No, unless there is evidence of chemical or radioactive production waste.
Dumping area	No, unless there is evidence of chemical or radioactive production waste.
Electric substation	No, if the content is only petroleum-based waste or PCBs.
Equipment	Yes, but only if it was used in a process- or production-related release or unknown.
Floodplain	No, if it is a large, diffused area within 100 meters (328 feet) of the river.
French drain	Yes, but only if it was used in a process- or production-related release or unknown.
Fuel tank	No, if the content is only petroleum-based waste or PCBs.
Honey dump station	Yes, but only if it is the site of a process- or production-related release or unknown.
Injection/reverse well	Yes, but only if it is the site of a process- or production-related release or unknown.
Maintenance garage	No, if it is only a petroleum-based waste site.
Military compound	Yes, but only if the site was used for a process- or production-related release or unknown.
Miscellaneous pipelines	Yes, but only if they were used for a process- or production-related release or unknown.

**Table S–2. Screen 3 Rules of the Waste Information Data System for
Specific Waste Types (continued)**

Waste Type	Rule
Miscellaneous trash and debris	Yes, but only if it is the result of a process- or production-related release or unknown.
Neutralization tank	Yes, but only if it is the site of a process- or production-related release or unknown.
Oil	No, if it is only petroleum-based waste or PCBs.
Ordinance	Yes, but only if it is the site of a process- or production-related release or unknown.
Process effluent	Yes, but only if it is the result of an untreated process- or production-related release or unknown; no, if the effluent was contained or treated.
Process sewer	Yes, but only if it is the site of an untreated process- or production-related release or unknown.
Product piping	Yes, but only if it is the site of an untreated process- or production-related release or unknown.
Rad site	Yes, but only if it is the site of an untreated process- or production-related release or unknown.
Reactor exhaust stack	Yes, but only if it is the site of an untreated process- or production-related release or unknown.
Sanitary sewer	Yes, if it is the site of an untreated process- or production-related release or if it was used for the disposal of animals or animal byproducts associated with radiological experiments or unknown.
Septic tank	Yes, if it is the site of an untreated process- or production-related release or if it was used for the disposal of animals or animal byproducts associated with radiological experiments or unknown.
Sludge	Yes, but only if it is the result of an untreated process- or production-related release or unknown.
Sodium storage facility	No, if it is an active regulated facility.
Soil	Yes, if it is the site of an untreated process- or production-related release; no, if only airborne contamination was involved or unknown.
Steam condensate	Yes, if it is the result of an untreated process- or production-related release or unknown.
Storage	Yes, if the site was used to store untreated process- or production-related waste or unknown.
Storage tank	Yes, if it was used to store untreated process- or production-related waste or unknown.
Stormwater runoff	No, unless it is chemically or radioactively contaminated or associated with a process- or production-related release.
Surface debris	Yes, if there is evidence of process- or production-related contamination or unknown.
Underground radioactive area	Yes, if it was the site of an untreated process- or production-related release or unknown.
Unplanned release	Yes, if it was an untreated process- or production-related release or unknown.
Vegetation	Yes, if it is the site of an untreated process- or production-related liquid release or unknown.
Waste storage	Yes, if the site was used to store untreated process- or production-related waste or unknown.

Table S–2. Screen 3 Rules of the Waste Information Data System for Specific Waste Types (continued)

Waste Type	Rule
Water	Yes, if it is associated with an untreated process- or production-related liquid release or unknown.
Water treatment facility	Yes, if it is the site of an untreated process- or production-related liquid release or unknown.
Wood and coal debris	Yes, if there is evidence of process- or production-related contamination or unknown.

Key: EP=extraction procedure; PCB=polychlorinated biphenyl.

S.1.4 Screen 4 Rules

In addition to a review of the Waste Management Units Area document used for Screens 1 through 3, Screen 4 included a review of an updated, more-detailed WIDS site description document (Shearer 2005b). Published Comprehensive Environmental Response, Compensation, and Liability Act Records of Decision were also reviewed to determine the status of WIDS sites reviewed in Screen 4. Furthermore, the Composite Analyses Revision 0 inventory was reviewed to validate independent screening decisions.

Screen 4 involved an additional review of all WIDS sites that passed the Screen 3 test. Under Screen 4 rules, sites that met the following criteria were rejected:

- Facility-Specific Screen: The WIDS site is assigned a “No” (fail) if the facility associated with the release is not a process- or production-related facility. A “Yes” (pass) is assigned to the WIDS site if the facility or original source is unknown.
- Minimum-Inventory Screen: The WIDS site is assigned a “No” (fail) if the inventory is identified and will be coded as noted below.
- For WIDS sites assigned a “No,” one of the following Screen 4 codes is assigned. The *de minimis* criteria were selected by a team of subject matter experts using engineering judgment and groundwater modeling experience, the objective being to limit the WIDS sites to those that are likely to contribute significantly to the cumulative impacts. Given the waste information available, each criterion is believed to be the limit at which the WIDS site would have a significant impact.
 - Updated information provided in the new WIDS site description document (regulatory status does not drive the decision)
 - More specificity of process information (location/building/room)
 - *De minimis* contaminant quantity < 0.45 kilograms (1 pound) of chemicals
 - *De minimis* contaminant quantity < 1 curie of radionuclides
 - *De minimis* contaminant quantity < 379 liters (100 gallons)
 - *De minimis* contaminant quantity (dry, residual) < 50,000 disintegrations per minute of alpha, beta, gamma per gram

- For WIDS sites assigned a “Yes,” one of the following Screen 4 codes is assigned:
 - Inventory information available in new WIDS description document
 - No inventory information available, but may be available in other documentation
 - Reference to inventory available in new WIDS description document
 - No inventory information available and no inventory data are expected to be found
 - Permitted facility inventory to be provided by applicable documentation, e.g., facility waste acceptance criteria

WIDS does not suffice for the analysis of cumulative impacts at Hanford. It is not a complete set of sites potentially contributing to cumulative impacts. Some Hanford facilities and some facilities not located at Hanford are not included in WIDS. Equally important, WIDS has little inventory data. Therefore, other sources of information about waste sites, such as Hanford technical baseline documents, were used to supplement the identification of sites potentially contributing significantly to cumulative impacts and to locate the waste inventory data for those sites. This process is described in Section S.2.

S.2 TECHNICAL BASELINE REVIEW

The technical baseline review (TBR) was a systematic search of documents and databases to identify waste sites and inventory data. Documents describing facilities and waste sites in the Hanford operable units were collected. In addition to the technical baseline documents for the 100, 200, 300, 400, and 600 Areas at Hanford, offsite sources such as those described in the Environmental Data Resources, Inc., online database were reviewed. References to additional documents potentially containing inventory data for these waste sites were recorded, and the referenced documents were reviewed (SAIC 2006).

All sites in a technical baseline or similar source document were assigned to one of four categories (see Table S–3) based on the information in the TBR source documents. (Note: Waste sites included in the *TC & WM EIS* alternatives analysis were excluded from this review.)

Table S–3. Technical Baseline Review Categories

Category 1	Sites containing radioactive or chemical COPCs above <i>de minimis</i> contamination levels
Category 2	Sites expected to contain a radioactive or chemical COPC inventory above <i>de minimis</i> contamination levels, but without inventory information
Category 3	Sites for which process knowledge indicates a lack of contamination, or sites containing radioactive or chemical COPCs below <i>de minimis</i> contamination levels
Category 4	Non-liquid-waste sites where the contamination would be removed and therefore would not contribute to groundwater contamination

Key: COPC=constituent of potential concern.

This accounting of waste sites potentially contributing to cumulative impacts is independent of the WIDS screen and serves as a check on the results of that screen for common sites. Combined, these two sets of sites (WIDS and the TBR) are expected to include all known sites, with most sites common to the two sets. In addition to identifying waste sites not in WIDS, the TBR identified reference documents for waste inventory data. It was also determined that the 1987 version of WIDS (specifically, the *Hanford Site Waste Management Units Report*, known as the *Cramer Report* [DOE 1987]) could be used as a waste inventory reference in lieu of the more recent WIDS because the more recent version of WIDS did not include the detailed inventory data.

S.3 “MARRIAGE” OF WASTE INFORMATION DATA SYSTEM SCREEN AND TECHNICAL BASELINE REVIEW

To develop the inventory for the cumulative impacts analysis, the WIDS sites had to be combined with the TBR waste sites. This was accomplished by the development of Excel spreadsheets that document site and inventory information by site areas. This included a significant “data mining” effort.

Excel Workbooks includes two individual worksheets: “Sites” and “Inventory.” The elements of each are described in Tables S–4 and S–5. The columns in the Sites worksheet are explained in Table S–4.

The columns in the Inventory worksheet are described in Table S–5. It should be noted that there are uncertainties related to the contamination volumes and concentrations found in the available documents. Some of these uncertainties relate to the limited available data for many waste sites. More-detailed discussions on inventory uncertainties can be found in the documents used to develop the inventory worksheets described in Table S–5.

Table S–4. Content of Sites Worksheet of Excel Workbooks

Table Entry	Comment/Assumption ^a
Site number	Sequential numbering system to provide an efficient index between the site list on the spreadsheets for each area and the site locations on the maps developed to graphically represent the waste sites.
Common site name	Taken from (1) the technical baseline documents (SAIC 2006); (2) the latest version of WIDS (Shearer 2005b); (3) the <i>Hanford Site Waste Management Units Report</i> (DOE 1987), known as the <i>Cramer Report</i> ; or (4) some other source.
WIDS ID	Taken from the latest version of WIDS (Shearer 2005b).
Operable unit	Taken from the latest version of WIDS (Shearer 2005b).
Site type	Based on available descriptive information, site was assigned a site type (e.g., pond, crib, trench, ditch, burial ground, tank, septic tank, building, equipment, contaminated soil). Conflicting information was resolved through reliance on the latest version of WIDS (Shearer 2005b).
Source type	Based on available descriptive information, source was assigned a type (i.e., liquid, solid, liquid/solid, N/A [not applicable], or UNK [unknown]).
Centroids (coordinates)	Taken from (1) the Hanford Site Atlas (BHI 2001) index, (2) the latest version of WIDS (Shearer 2005b), or (3) estimated from maps in the Hanford Site Atlas (BHI 2001).
Effective area (bottom area [L×W] of feature) in square feet	Taken from (1) the latest version of WIDS (Shearer 2005b), (2) the technical baseline documents (SAIC 2006), or (3) the <i>Cramer Report</i> (DOE 1987). If the <i>Cramer Report</i> was used for inventory data, it was also used for effective area.
Liquid volume (volume of liquid released) in liters	If inventory was found, then it was taken from that reference. Otherwise, liquid volume was taken from (1) the <i>Hanford Soil Inventory Model, Rev. 1</i> (Corbin et al. 2005); (2) <i>Radionuclide Inventories of Liquid Waste Disposal Sites on the Hanford Site</i> (Diediker 1999); (3) the <i>Cramer Report</i> (DOE 1987); (4) the latest version of WIDS (Shearer 2005b); or (5) the technical baseline documents (SAIC 2006).
Solid volume, solid mass (volume or mass of waste) in cubic meters or kilograms	Generally, these entries were used only for burial grounds. If inventory was found, then it was taken from that reference. Otherwise, it was taken from (1) the latest version of WIDS (Shearer 2005b), (2) the <i>Cramer Report</i> (DOE 1987), or (3) the technical baseline documents (SAIC 2006).
Decay date	If radionuclide inventory was found, then it was taken from that reference.

Table S-4. Content of Sites Worksheet of Excel Workbooks (continued)

Table Entry	Comment/Assumption ^a
Start/stop dates (year unit started and stopped operation or started and stopped receiving waste)	If inventory was found, then it was taken from that reference. Otherwise, it was taken from (1) the latest version of WIDS (Shearer 2005b), (2) the technical baseline documents (SAIC 2006), or (3) the <i>Cramer Report</i> (DOE 1987).
Status (current status including important cleanup and closure milestones)	Taken from (1) the latest version of WIDS (Shearer 2005b), (2) the technical baseline documents (SAIC 2006), or (3) the <i>Cramer Report</i> (DOE 1987).
End state, barrier type, completion date	For the 200 Areas, it was taken from the <i>Plan for Central Plateau Closure</i> (Fluor Hanford 2004). For other areas, it was taken from applicable cleanup (1) RODs, (2) closure plans, and (3) other documents.
Comments to analysts	References and page numbers are provided. Important comments are also noted.
Comparison to WIDS	If differences were found between the results of the WIDS screening and the results of the TBR, they were resolved and noted.
References	References for each area are included at the bottom of the Sites worksheet.

^a Numerical listings of source documents are in order of priority.

Key: ID=identifier; L×W=length times width; ROD=Record of Decision; TBR=technical baseline review; WIDS=Waste Information Data System.

Table S-5. Content of Inventory Worksheet of Excel Workbooks

Table Entry	Comment/Assumption ^a
Site number	Sequential numbering system to provide an efficient index between the site list on the spreadsheets for each area and the site locations on the maps developed to graphically represent the waste sites.
Common site name	Taken from (1) the technical baseline documents (SAIC 2006), (2) the latest version of WIDS (Shearer 2005b), (3) the <i>Hanford Site Waste Management Units Report</i> , known as the <i>Cramer Report</i> (DOE 1987), or (4) some other source.
WIDS ID	Taken from the latest version of WIDS (Shearer 2005b).
Radionuclides ^b	<p>Liquid release inventories taken from (1) <i>Hanford Soil Inventory Model, Rev. 1</i> (Corbin et al. 2005), (2) <i>Radionuclide Inventories of Liquid Waste Disposal Sites on the Hanford Site</i> (Diediker 1999), (3) the <i>Cramer Report</i> (DOE 1987), (4) the technical baseline documents (SAIC 2006), (5) the latest version of WIDS (Shearer 2005b), or (6) other sources.</p> <p>Solid waste inventories taken from (1) <i>Summary of Radioactive Solid Waste Received in the 200 Areas During Calendar Year 1995</i> (Anderson and Hagel 1996) or other site-specific solid waste references, (2) the <i>Cramer Report</i> (DOE 1987), (3) technical baseline documents (SAIC 2006), (4) the latest version of WIDS (Shearer 2005b), or (5) other sources.</p>
Chemicals ^c	<p>Liquid release inventories taken from (1) <i>Hanford Soil Inventory Model, Rev. 1</i> (Corbin et al. 2005), (2) the <i>Cramer Report</i> (DOE 1987), (3) technical baseline documents (SAIC 2006), (4) the latest version of WIDS (Shearer 2005b), or (5) other sources.</p> <p>Solid waste inventories taken from (1) site-specific solid waste references, (2) the <i>Cramer Report</i> (DOE 1987), (3) the technical baseline documents (SAIC 2006), (4) the latest version of WIDS (Shearer 2005b), or (5) other sources.</p>

Table S–5. Content of Inventory Worksheet of Excel Workbooks (continued)

Table Entry	Comment/Assumption ^a
Comments	Important comments regarding the inventories are noted.

^a Numerical listings of source documents are in order of priority.

^b Curies of radionuclides (half-life greater than 10 years and inventory greater than 1 curie [cumulative or individual]).

^c Kilograms of chemicals (inventory greater than 0.45 kilograms [1 pound] of chemicals that have MCLs or a health-based ingestion standard in IRIS, and compounds that have constituents with MCLs or a health-based ingestion standard in IRIS).

Key: ID=identifier; IRIS=Integrated Risk Information System maintained by the U.S. Environmental Protection Agency; MCL=maximum contaminant level; WIDS=Waste Information Data System.

Combining the WIDS screening results and the TBR results requires resolving any conflicts between the two independent screening processes. The WIDS screening sites were compared with the TBR sites and the differences were reviewed and reconciled. For example, during the “marriage” of the two processes, the TBR sites were reclassified from sites having inventories with a potential to contribute significantly to cumulative impacts to sites that are not expected to contribute significantly to cumulative impacts if the only contamination present or released from the site was radionuclides with half-lives less than 10 years, such as cobalt-60 (half-life of 5.27 years).

S.3.1 End-State Approach

End-state analysis included the review of applicable documents and consultation with the U.S. Department of Energy’s (DOE’s) Office of River Protection (ORP) and Richland Operations Office (RL). The end states for all waste sites were reviewed and concurred upon by each responsible ORP and DOE-RL manager to ensure accuracy and completeness. The approach for determining which end state to use for each waste site followed specific guidelines. The guidelines for selecting an end state were based on the following broad criteria:

- The end state should represent a reasonably foreseeable outcome for a particular facility or group of facilities. The implementing approach should not assume excessive research and development or reliance on undeveloped technology.
- The end state should comply with current regulations and agreements where applicable, based on the following hierarchy:
 - Environmental documents submitted to or approved by regulatory agencies (e.g., remedial investigations/feasibility studies, interim Records of Decision, Resource Conservation and Recovery Act closure plans) (SAIC 2006)
 - Milestones stipulated in the Hanford Federal Facility Agreement and Consent Order (also known as the Tri-Party Agreement) (Ecology, EPA, and DOE 1989)
 - Outcomes defined by requests for proposal or contracts (e.g., river corridor)
 - Planning documents (e.g., *Plan for Central Plateau Closure* [Fluor Hanford 2004])
- End states should represent a consistent application of DOE policies and procedures. Exceptions have to be documented to support a reason for a policy change.
- If a different end state is proposed than those identified above, the end states must be in a publicly available, referenced document.

The end states identified using the approach described above are current through October 2006, when the cumulative impacts groundwater inventory was completed. Since that time, additional or different decisions on end states may have been made, and it is quite possible that other decisions may be made as DOE progresses through the closure and cleanup process at Hanford. However, to complete the groundwater analysis for cumulative impacts in this *TC & WM EIS*, a cutoff date had to be determined. Appendix U of this *TC & WM EIS* provides a description of the overall process for making cleanup decisions, cleanup requirements, and goals that have been set and are likely to be set at Hanford.

S.3.2 Independent Review and Verification (Quality Assurance) Process

Following each step of the cumulative impacts inventory development process (i.e., screening steps 1, 2, 3, and 4 and the “marriage” of the WIDS screen and the TBR), an independent quality assurance review was conducted to ensure data accuracy and integrity. This included verification that the data are traceable to the source document and verification of radionuclide and chemical inventory values. These reviews also verified that the inventory development process was consistently applied in the preparation of the Excel Sites and Inventory worksheets for each Hanford area.

S.3.3 Emerging Data

As new and emerging data were identified, the Excel Workbooks Sites and Inventory worksheets were revised and updated as necessary. For example, the latest version of SIM [the Hanford Soil Inventory Model] (Corbin et al. 2005) was obtained and reviewed to determine applicability. The updated data from this document were incorporated into the Sites and Inventory worksheets. This included adding individual worksheets for each waste site provided by Revision 1 of SIM.

Since publication of the *Draft TC & WM EIS*, additional revisions were made to the inventory database based on comments received on the draft EIS and additional references or corrections to the source documents (SAIC 2011). These revisions include the following sites:

- T Plant complex (including 221-T Canyon Building) – Inventories for all isotopes, except plutonium isotopes, were reduced by a factor of 1/10,000 to be consistent with the footnote provided in the original reference used for this site’s inventory and to reduce conservatism (Bushore 2002: Table 2). The footnote states: “Isotopes from tank 15-1 samples, 1989 through 1993, except for plutonium isotopes, multiplied by 10,000 for conservatism.”
- Z Area cribs and trenches (ditches) – Based on a 2007 report (Teal 2007), the inventories for mercury were incorrectly reported as inventories for magnesium for several Z Area cribs and trenches (ditches) in SIM (Corbin et al. 2005). These corrections are reflected in the final inventory database.
- Greater-Than-Class C (GTCC) waste disposal site – Since publication of the *Draft TC & WM EIS*, inventories for the proposed disposal site have been estimated. This site has been included in the final inventory database.
- Environmental Restoration Disposal Facility (ERDF) – Inventories for the ERDF have been revised to reflect the current reporting of inventories disposed of at the ERDF through March 2010. No radionuclide inventory projections beyond March 2010 were available and, therefore, were not included in the final inventory database.
- Sites without reported total uranium inventories (e.g., burial grounds, the US Ecology Commercial Low-Level Radioactive Waste Disposal Site) – Several sites located primarily in the 100 Areas and burial grounds in the 200 Areas did not have inventories reported for total uranium in the source documents used to develop the inventory database used for the *Draft TC & WM EIS*.

Based on comments and concerns expressed regarding these potentially “missing” inventories, total uranium inventories were calculated using the appropriate uranium isotopes’ inventories reported for these sites and are now provided in the final inventory database.

- Sites with carbon tetrachloride inventories – Although a site may have a carbon tetrachloride inventory identified, the individual site inventory may not have been included in the modeling for this *Final TC & WM EIS*. To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. These sites are noted in the following tables (Nelson and Preston 2010).
- 300 Area Process Ponds and Trenches (WIDS Identifiers 316-1, 316-2, and 316-5) – The radionuclide inventories for the 300 Area Process Ponds and Trenches were determined to be overly conservative as reported in SIM (Corbin et al. 2005), which relied upon a surrogate waste stream from the PUREX [plutonium-uranium extraction] process cooling-water/steam condensate. This approach resulted in a significant overestimation of the radionuclide inventory based on analytical data and process knowledge. The inventories for plutonium only have been revised to account for this overestimation (Mehta 2011; Harrington 2011).

S.3.4 Results of Initial Screening

Based on the screening approach discussed above, over 2,300 sites and sources were documented. These sites were identified for 18 geographical areas. Of this total, 383 sites were identified as sites with referenceable inventories containing radioactive or chemical constituents of potential concern (COPCs) above *de minimis* contamination levels. Approximately 403 sites were identified as sites expected to contain a radioactive or chemical COPC inventory above *de minimis*, but no referenceable inventory information was available. A total of 1,429 sites were identified as sites for which process knowledge indicates a lack of contamination or sites containing radioactive or chemical COPCs below *de minimis* contamination levels as defined in the Screen 4 rule; approximately 106 were identified as non-liquid-waste sites where the contamination would be removed and thus would not contribute to groundwater contamination.

S.3.5 Analysis of Sites with Missing Inventory

As previously discussed, the cumulative impacts analysis inventory looked at a total of 2,321 sites. The 403 sites identified as having unknown inventory expected to contain radioactive or chemical COPCs represent about 17 percent of the total. The remainder (1,918 sites, or 83 percent of the total) have known inventory. The percentage of sites with unknown inventory varies by area, as shown in Table S-6.

Table S-6. Unknown-Inventory Sites per Area at the Hanford Site

Area	Total Sites	Unknown- Inventory Sites	Percentage of Unknown- Inventory Sites
100 Areas	808	132	16
200 Areas	957	194	20
300 Area	440	66	15
400 Area	76	1	1
Permitted facilities	2	0	0
Other sites	38	10	26
Total	2,321	403	17

In the core of the production area at Hanford (100, 200, and 300 Areas), characterization is most advanced for the 100 and 300 Areas. Therefore, the 100 and 300 Areas have corresponding lower percentages of unknown-inventory sites.

The simplest inference that can be drawn from these initial observations is that the cumulative impacts analysis inventory might be about 17 percent low because data are missing for about 17 percent of the sites. This inference is based on the assumption that each of the sites with unknown inventory actually has inventory equal to the average of the sites with known inventory.

The cumulative impacts analysis inventory additionally categorized the sites with known inventory into three groups, as follows:

- 1 Sites with inventories that would be released into the environment at their original disposal locations
- 2 Sites with inventories that would be removed, treated, and disposed of in permitted facilities
- 3 Sites with inventories that are essentially zero (*de minimis*)

Another assumption is that the sites with unknown inventory behave similarly (statistically) to the sites with known inventory (this assumption is examined in more detail below). The COPCs at 293 sites with known inventories are not negligible and, based on the end-state information, would not be removed, treated, and disposed of in permitted facilities. These sites represent about 15 percent of the 1,918 sites with known inventory. If the sites with unknown inventory have a similar COPC population to the sites with known inventory, then it may be expected that about 15 percent of the 403 sites with unknown inventory, or about 65 sites, actually contain non-negligible amounts of inventory that will be released to the environment outside of permitted facilities. The missing inventory (estimated to be about 17 percent of the total inventory) might be contained in only 15 percent of the sites with unknown inventory. This observation suggests that it might be useful to examine the sites with unknown inventory individually to try to identify the 15 percent of the unknown-inventory sites that are significant to the total inventory.

To follow this thought, a third analysis of the sites with unknown inventory was performed to evaluate their significance. A weight-of-evidence approach was used by reviewing the WIDS description (and technical baseline documents where necessary) to categorize the unknown-inventory sites into three groups, as follows:

- 1 Sites that most likely have significant inventory
- 2 Sites that most likely have insignificant inventory
- 3 Sites where no judgment of significance could be made

As shown in Figures S-1 through S-3, the 200-B Area has a rather high percentage of unknown-inventory sites and was selected as an area in which to evaluate the utility of the weight-of-evidence approach. Three independent teams performed this evaluation. The independent teams each reviewed the 37 sites with unknown inventory in the 200-B Area.

All three teams concluded that the missing inventory is probably not spread evenly over the 37 sites with unknown inventory in the 200-B Area. The teams concluded that the unknown-inventory sites likely had a higher proportion of significant sites than the 15 percent observed in the known-inventory population. A conservative estimate is that the percentage of unknown-inventory sites that are most likely to be significant in the 200-B Area is about 50 percent. This suggests that about half of the 403 unknown-inventory sites in the total population, about 202, are most likely to be insignificant to the analysis if the other areas are similar to the 200-B Area. The missing inventory is currently estimated to be 17 percent of the known inventory.

The significance of the missing inventory should be considered in the context of the inventory for the alternatives impacts analysis. If the inventory for the cumulative impacts analysis is smaller than that for the alternatives impacts analysis, then it would be expected that uncertainties in the sum of both inventories would be dominated by uncertainties in the alternatives impacts analysis. Similarly, if the inventory for the cumulative impacts analysis is larger than that for the alternatives impacts analysis, then it would be expected that uncertainties in the sum of both inventories would be dominated by uncertainties in the cumulative impacts analysis. If the uncertainties in the two inventories are of the same order of magnitude, then uncertainties in both inventories contribute to the overall uncertainty.

Reflected in Table S-7 is the relative uncertainty of the two inventories. For example, technetium-99 has an alternatives inventory of 29,700 curies in tanks (DOE 2003), 312 curies in past leaks (CH2M HILL 2002; Jones et al. 2000, 2001; Myers 2005; Wood and Jones 2003; Wood et al. 2003), and 142 curies disposed of in cribs and trenches (ditches) (Corbin et al. 2005), for a total of 30,154 curies. The spreadsheets of the October 2006, Revision 4, Cumulative Impacts Analysis reflect a cumulative inventory of 762 curies for technetium-99 (SAIC 2006). Thus, missing inventory is expected because data incompleteness in the cumulative inventory of about 17 percent would be dominated by uncertainty in the alternatives inventory. It can be concluded that the effects of potentially missing inventory in the cumulative impacts inventory would not be an important factor in evaluating the sum of the alternatives and cumulative inventories.

Table S-7. Uncertainty of Alternatives and Cumulative Radionuclide Inventories at the Hanford Site

Constituent	Alternatives Inventory ^a	Known Cumulative Inventory ^b	Uncertainties Dominating Overall Uncertainty
Technetium-99	30,200	762	Alternatives inventory
Iodine-129	49	25	Alternatives inventory
Uranium-238	964	3,220	Cumulative inventory
Strontium-90	50,900,000	2,100,000	Alternatives inventory
Cesium-137	47,100,000	2,430,000	Alternatives inventory
Hydrogen-3 (tritium)	19,700	1,500,000	Cumulative inventory
Carbon-14	3,180	43,500	Cumulative inventory

^a CH2M HILL 2002; Corbin et al. 2005; DOE 2003; Field 2003; Jones et al. 2000, 2001; Myers 2005; Wood and Jones 2003; Wood et al. 2003.

^b SAIC 2006.

Similarly, these data suggest that missing inventory in the cumulative impacts analysis because of data incompleteness for strontium-90 and cesium-137 is not a driver of the uncertainty in the total inventory for the same reasons given above for technetium-99.

For iodine-129, missing cumulative impacts analysis inventory is considered a minor issue. The Inventory Data Package suggested that the uncertainty in the iodine-129 inventory (49 curies) for the alternatives impacts analysis is ± 21 curies. This suggests that the inventory for the alternatives impacts analysis will be between 28 curies and 70 curies. The October 2, 2006, spreadsheets show an inventory for the cumulative impacts analysis of 25 curies for iodine-129, and the inference is that 17 percent of that inventory (about 4 curies) may be missing because of data incompleteness. The expected value for the total inventory is about 74 curies, with an uncertainty of ± 21 curies in the portion of the inventory reflected in the alternatives impacts analysis, and an estimated 4 curies missing because of data incompleteness. The uncertainty of the iodine-129 inventory in the alternatives impacts analysis is thus five times greater than that in the cumulative impacts analysis inventory.

For uranium-238, hydrogen-3 (tritium), and carbon-14, missing inventory plays a potentially important role in the uncertainty of the total inventory.

Presented as Figures S-1, S-2, and S-3 are the proportions of known and unknown inventory for the various areas, sites, and facilities at Hanford. The figures suggest rather even proportions of unknown inventory for the subareas of the 100 Areas (see Figure S-1). Those proportions are more variable, however, within the 200 Areas (see Figure S-2); unknown inventory is proportionally high for the B Area, the PUREX [Plutonium-Uranium Extraction] Plant, S Area, T Area, and U Area relative to that for B Pond, Gable North, Nonradioactive Dangerous Waste Landfill, and Z Area. Substantial disparity in the proportion of unknown inventory is evident for the other Hanford areas, sites, and facilities (see Figure S-3).

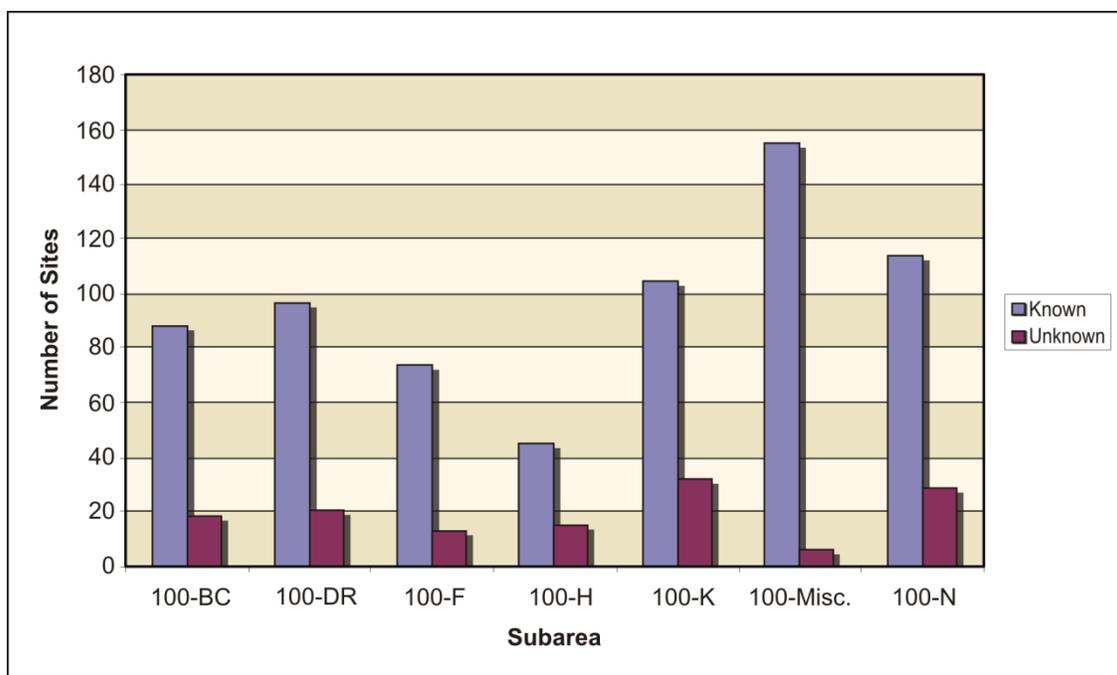


Figure S-1. Known and Unknown Inventory in Hanford Site 100 Areas

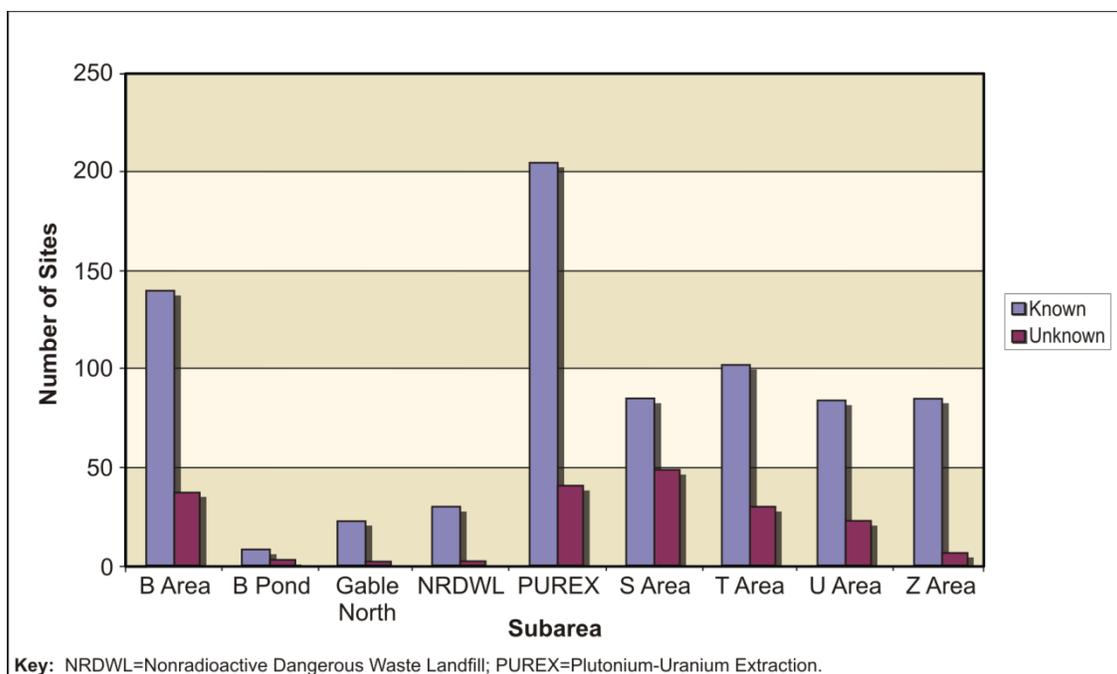


Figure S-2. Known and Unknown Inventory in Hanford Site 200 Areas

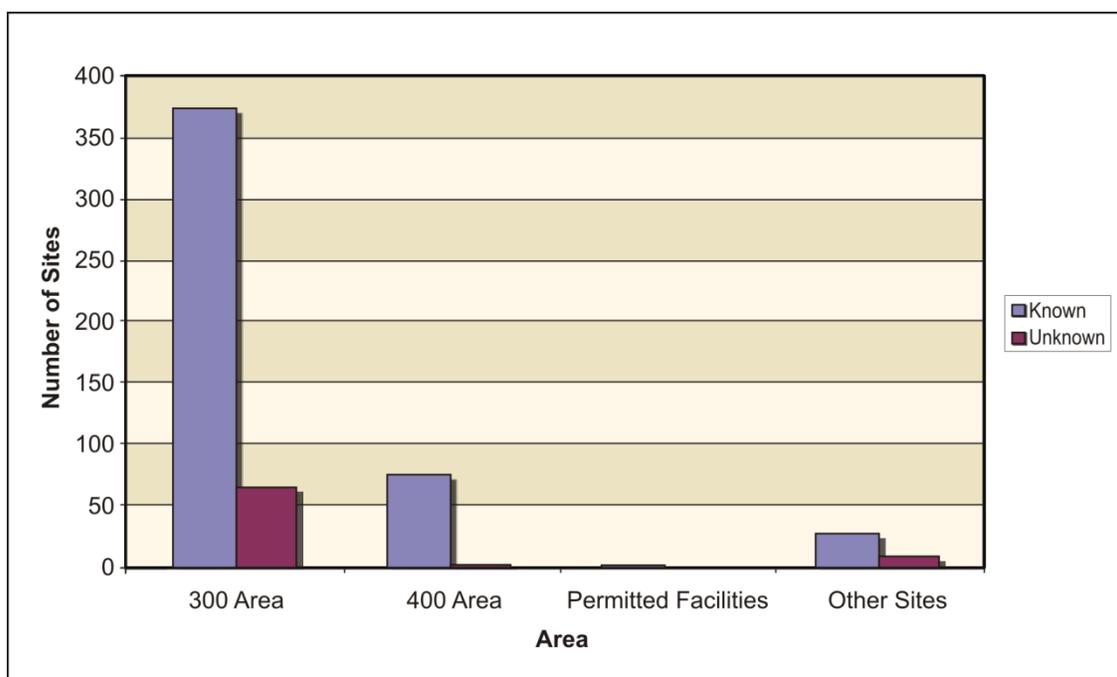


Figure S-3. Known and Unknown Inventory in Hanford Site 300 Area, 400 Area, Permitted Facilities, and Other Sites

S.3.6 Determination of Final Inventory Used for Cumulative Analysis

The initial list of radionuclides included those with half-lives greater than 10 years, and the initial list of chemicals included those with a health risk from ingestion—that is, they have maximum contaminant levels or are listed in the Integrated Risk Information System as having health-based ingestion standards. Not all the radioactive and chemical constituents on the initial list are important in exposure scenarios used to assess cumulative impacts in this *TC & WM EIS*. Therefore, to focus attention on constituents

that control impacts, an additional screening analysis was performed. The primary focus of that analysis was to consider groundwater release scenarios for cumulative impacts analysis sources and to ensure consistency with the screening done for the alternatives analysis, allowing for cumulative impacts to be added to the alternatives impacts. For radionuclides, only groundwater consumption was considered, release was assumed to be partition limited, and decay during transport was considered. For analysis purposes, estimation of relative impacts was based on the distribution of radionuclides in the cumulative impacts inventory. Radionuclides contributing less than 1 percent of impacts under well scenarios were eliminated from the detailed analysis. To screen for hazardous chemicals, reported chemical inventories for the cumulative impacts sites were compared with health-based limits. Chemicals present in the inventories at levels above health-based limits were selected for detailed analysis. As indicated in Table S-8, the screening resulted in reduction of the original set of radioactive and chemical constituents to a final set of 14 radioactive and 26 chemical constituents, which includes those constituents also identified for the alternatives impacts analysis. Appendix Q of this *TC & WM EIS* provides further description of the screening process for the radioactive and chemical constituents identified for the groundwater analysis. The final list of cumulative impact waste inventories, waste sites, and end states was provided to DOE-RL and ORP responsible managers for review and concurrence to ensure accuracy and completeness.

Table S-8. Radioactive and Chemical Constituents

Radionuclides	Chemicals	
Hydrogen-3 (tritium)	1,2-Dichloroethane	Lead
Carbon-14	1,4-Dioxane	Manganese
Potassium-40	1-Butanol	Mercury
Strontium-90	2,4,6-Trichlorophenol	Molybdenum
Zirconium-93	Acetonitrile	Nickel (soluble salts)
Technetium-99	Arsenic, inorganic	Nitrate
Iodine-129	Benzene	Polychlorinated biphenyls
Cesium-137	Boron and compounds	Silver
Gadolinium-152	Cadmium	Strontium (stable)
Thorium-232	Carbon tetrachloride	Total uranium
Uranium isotopes (includes uranium-233, -234, -235, -238)	Chromium ^a	Trichloroethylene
Neptunium-237	Dichloromethane	Vinyl chloride
Plutonium isotopes (includes plutonium-239, -240)	Fluoride	
Americium-241	Hydrazine/hydrazine sulfate	

^a For purposes of long-term impacts, it was assumed that this is hexavalent chromium.

Locations of the sites of the WIDS screening and the TBR are depicted in the maps provided as Figures S-4 through S-30. The final results of the WIDS screening, the TBR, the marriage of these two approaches, and the additional screening process are provided in Tables S-9 through S-34. The radionuclide inventories for the sites listed in these tables are provided in Tables S-35 through S-60 and the chemical inventories, in Tables S-61 through S-86.

As discussed in Chapter 1, DOE has prepared the *Draft Environmental Impact Statement for the Disposal of Greater-Than-Class C (GTCC) Low-Level Radioactive Waste and GTCC-Like Waste (GTCC EIS)* (DOE 2011), which addresses the disposal of low-level radioactive waste (LLW) generated by activities licensed by the U.S. Nuclear Regulatory Commission or an agreement state that contains radionuclides in concentrations exceeding Class C limits (10 CFR 61). The *GTCC EIS* also addresses DOE LLW and

non-defense-generated transuranic waste, which have characteristics similar to GTCC LLW and for which there may be no path for disposal.

Hanford is being considered as a candidate location for a new GTCC waste disposal facility in the *Draft GTCC EIS*. Such a facility is not expected to be operational until after 2019. In addition, DOE estimates there are about 12,000 cubic meters (420,000 cubic feet) of GTCC LLW and similar DOE waste (DOE 2011) already in storage or projected to be generated from existing facilities or that may be generated in the future as a result of actions proposed by DOE or commercial entities. Detailed information on this waste is provided in the *Draft GTCC EIS* (DOE 2011).

If Hanford were selected to host a GTCC disposal facility pursuant to the *Final GTCC EIS*, DOE would conduct an appropriate project-specific National Environmental Policy Act review, including a cumulative impacts analysis. These offsite inventories have been estimated since publication of the *Draft TC & WM EIS* and are included in the groundwater analysis for this *TC & WM EIS*.



Figure S-4. Alternatives and Cumulative Impact Sites Index Map

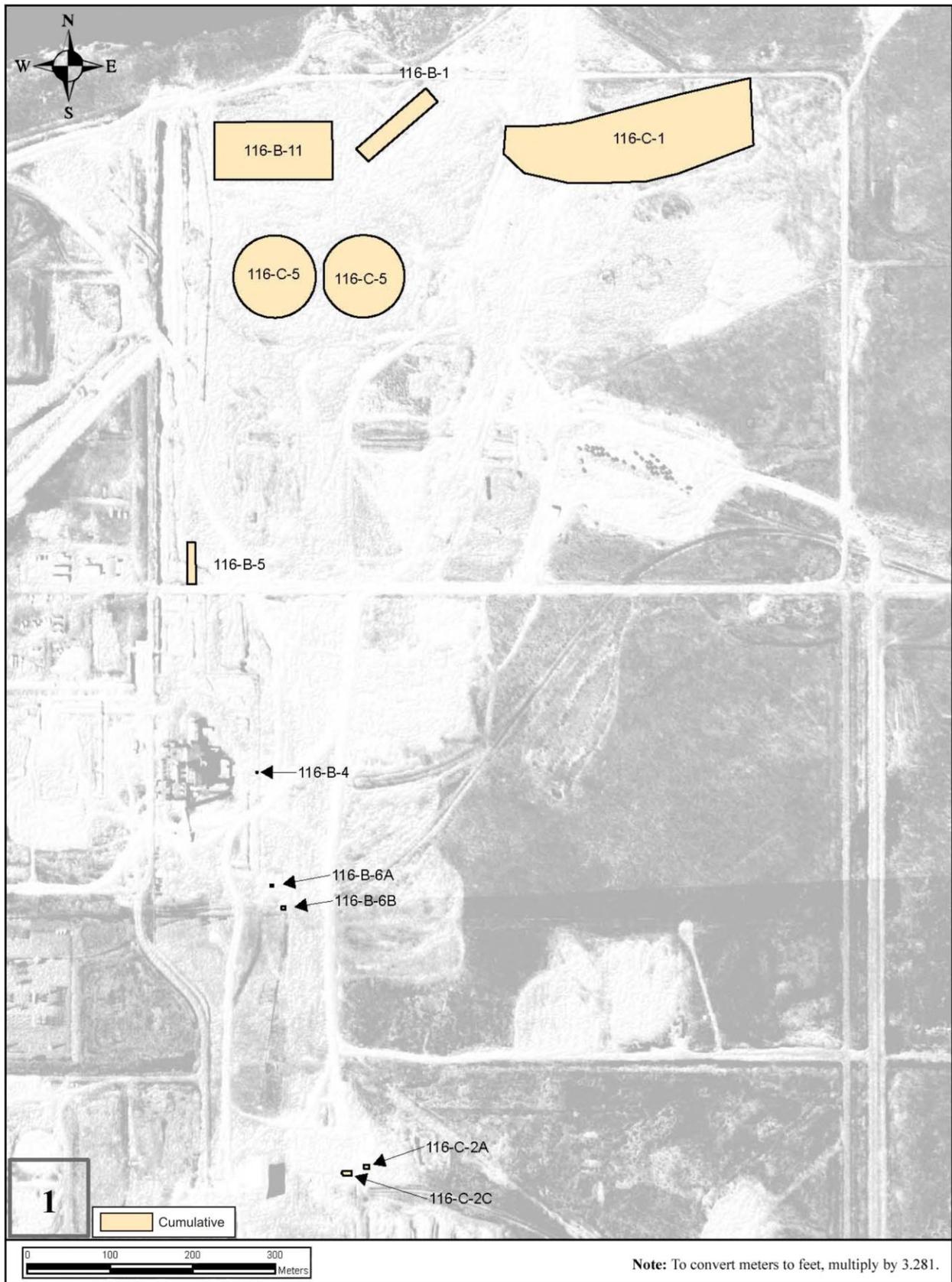


Figure S-5. Map 1: Cumulative Impact Sites in the 100-B and -C Areas

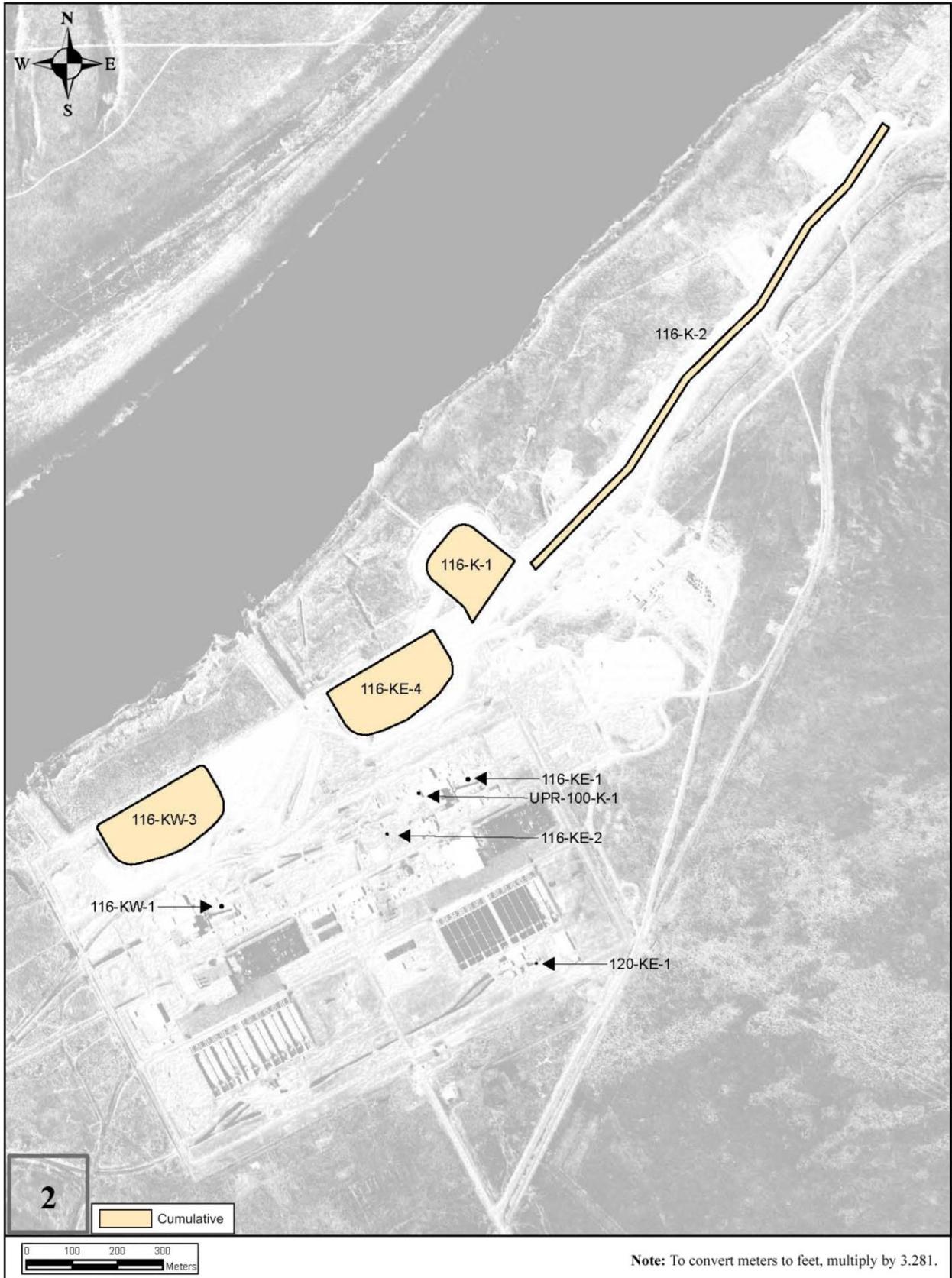


Figure S-6. Map 2: Cumulative Impact Sites in the 100-K Area

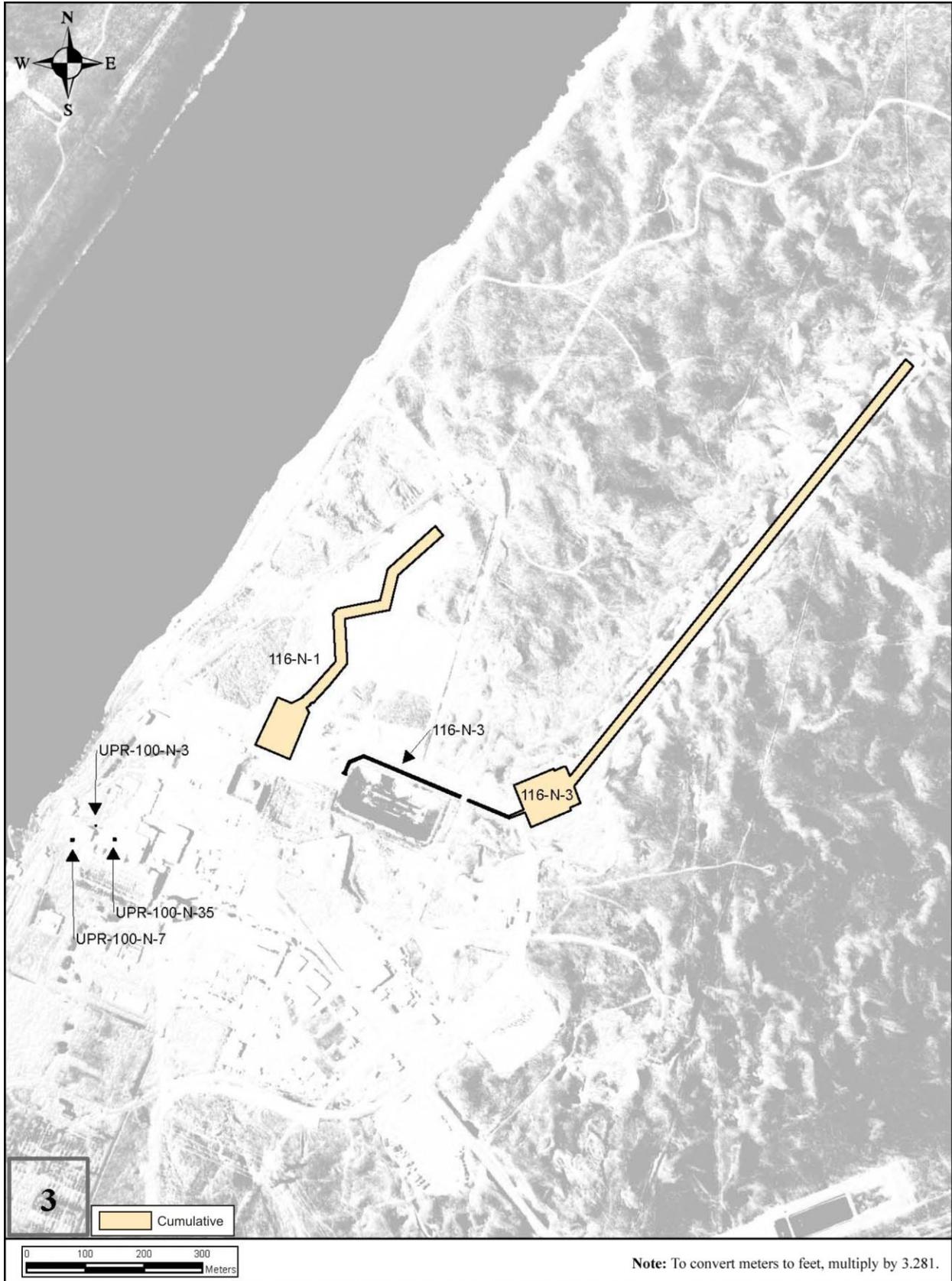


Figure S-7. Map 3: Cumulative Impact Sites in the 100-N Area

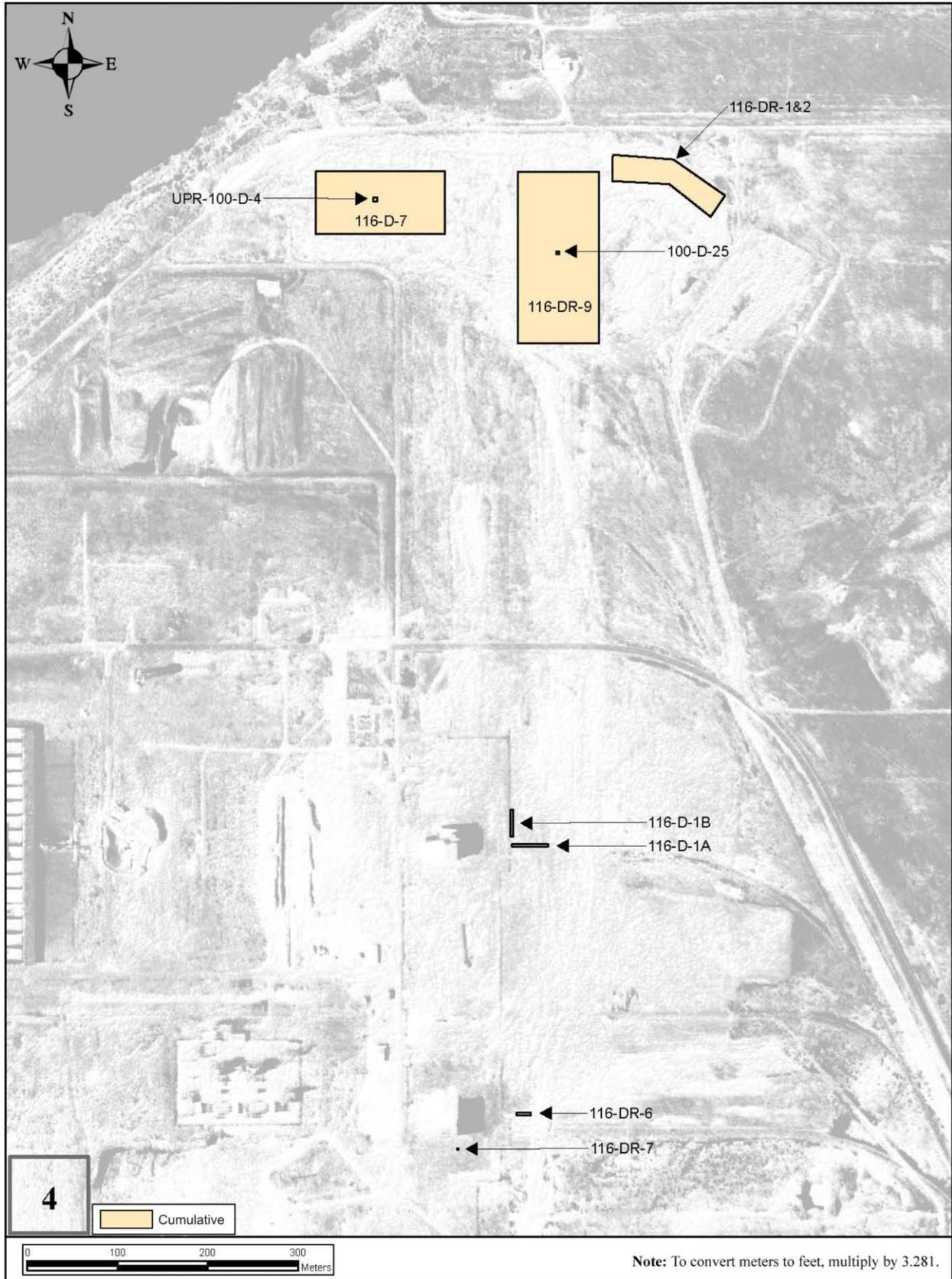


Figure S-8. Map 4: Cumulative Impact Sites in the 100-D Area

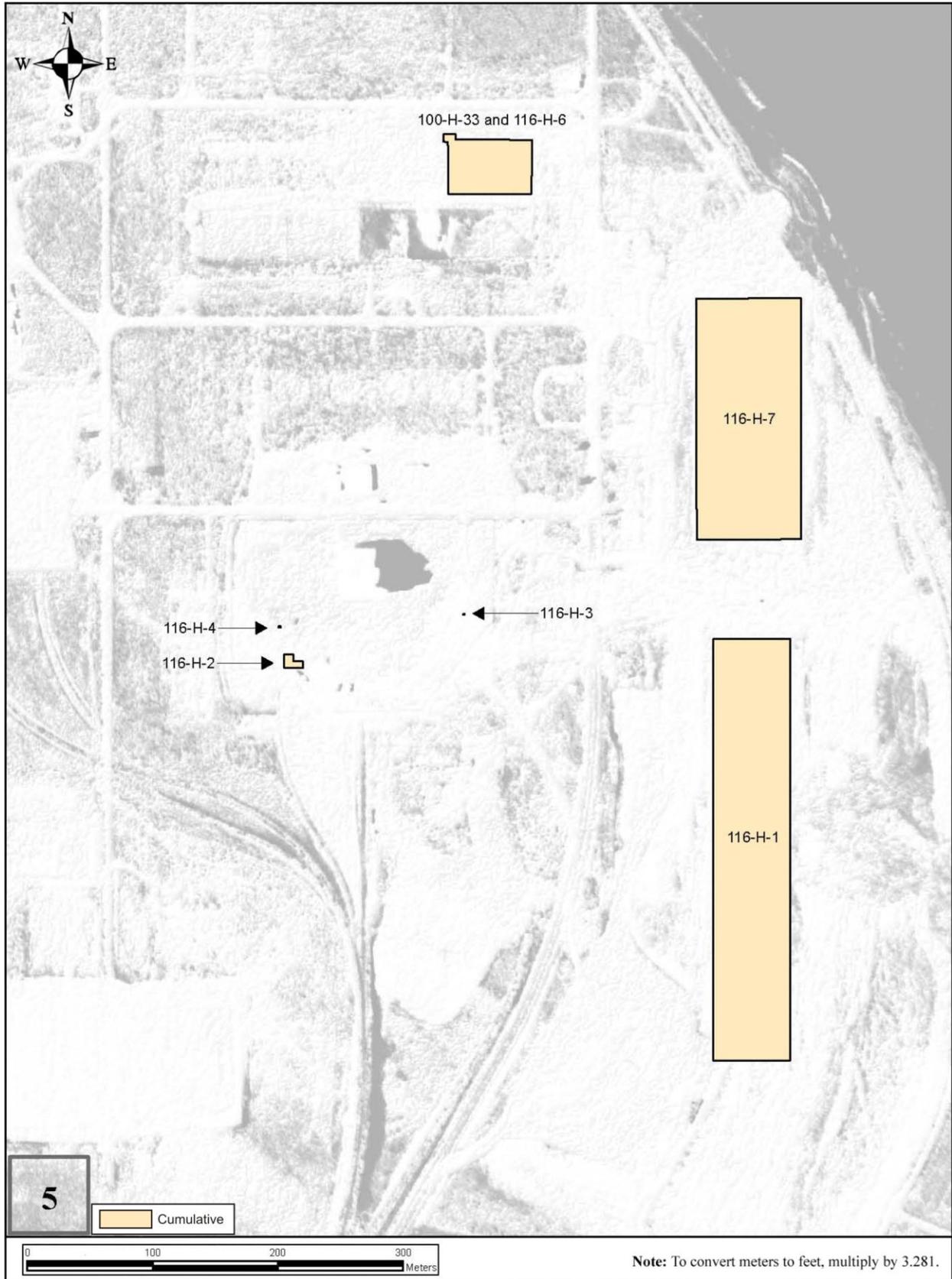


Figure S-9. Map 5: Cumulative Impact Sites in the 100-H Area



Figure S-10. Map 6: Cumulative Impact Sites in the 100-F Area

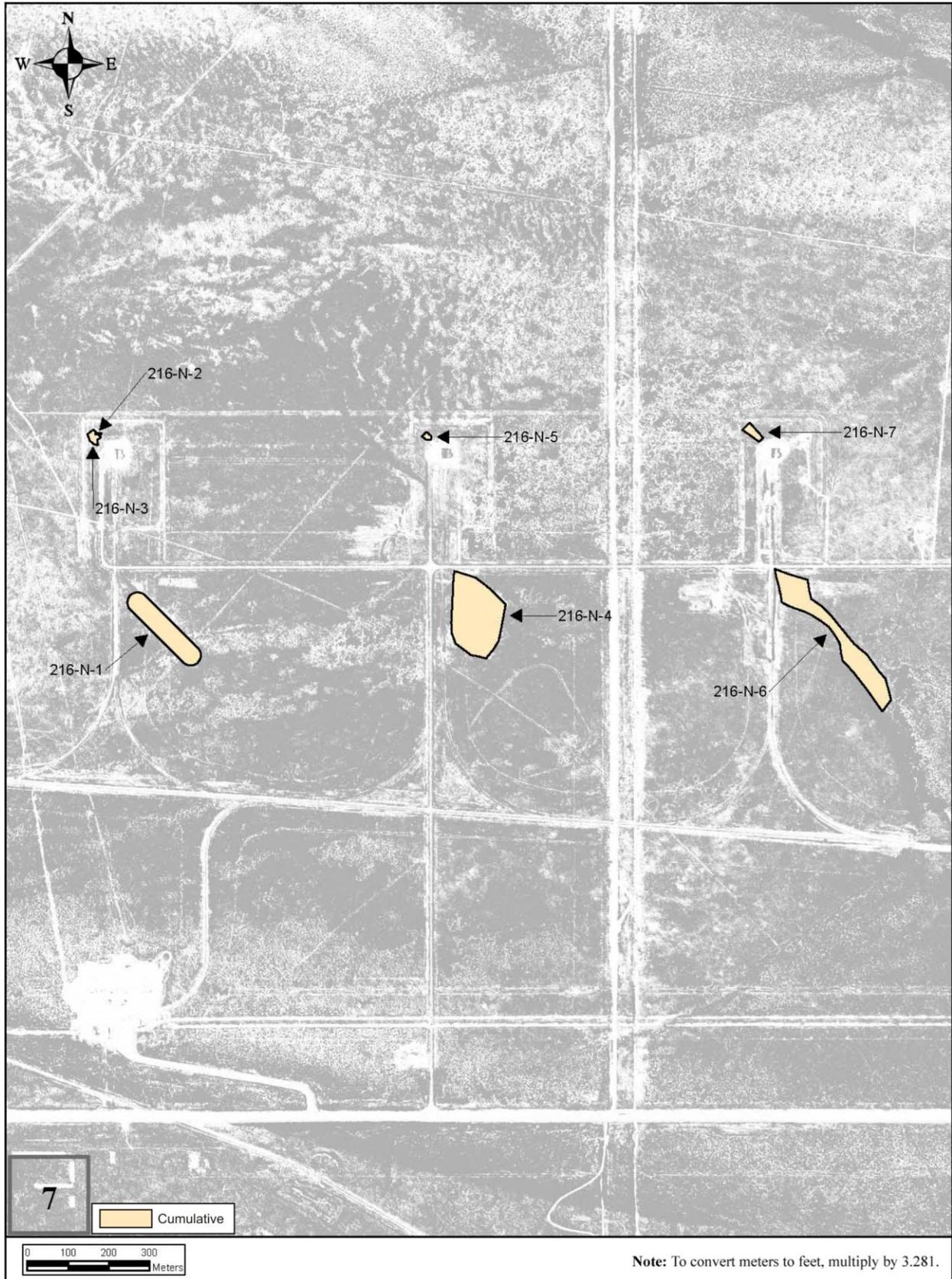


Figure S-11. Map 7: Cumulative Impact Sites in the 216-N Area

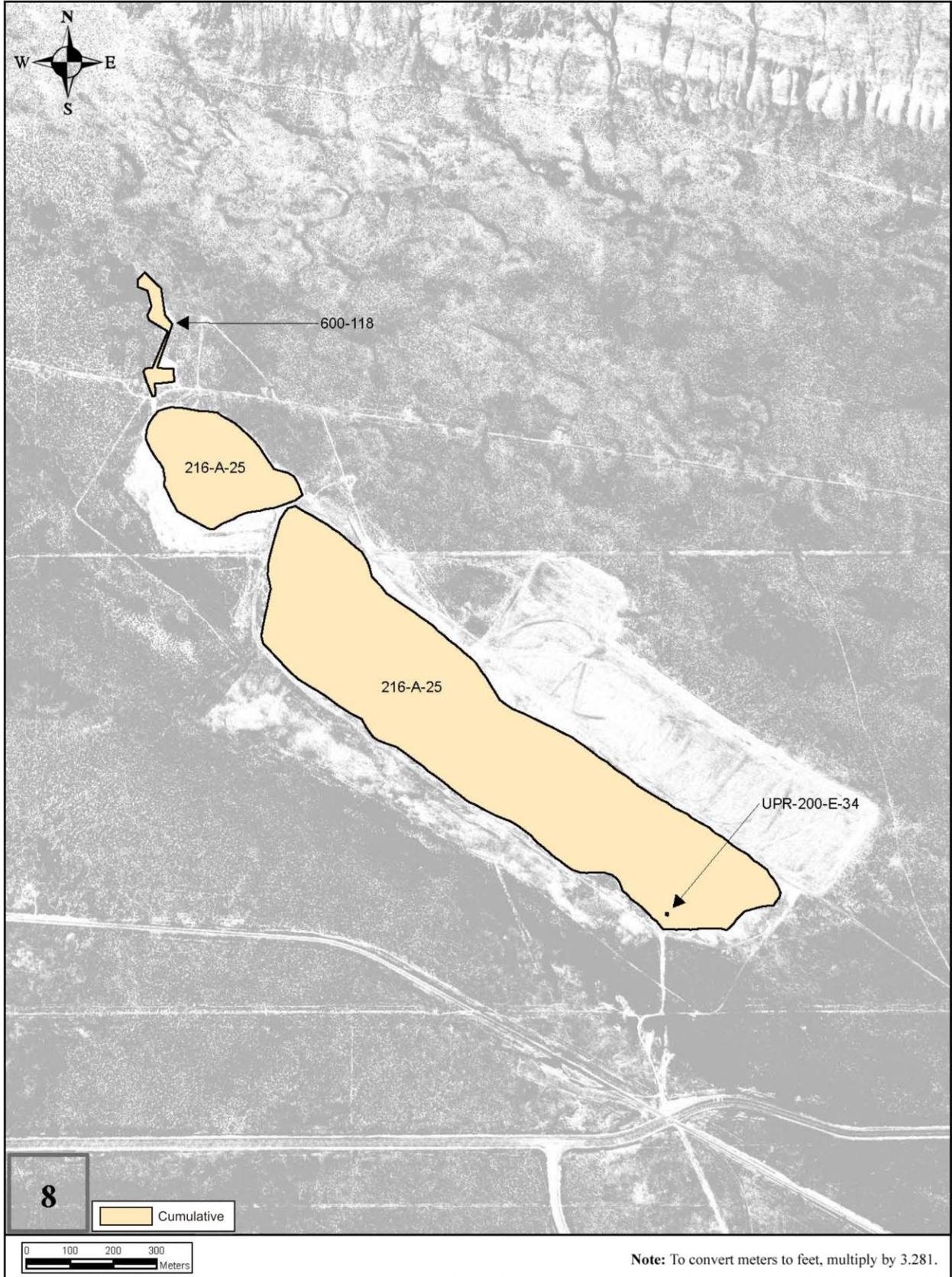


Figure S-12. Map 8: Cumulative Impact Sites in the Gable Mountain Pond Area

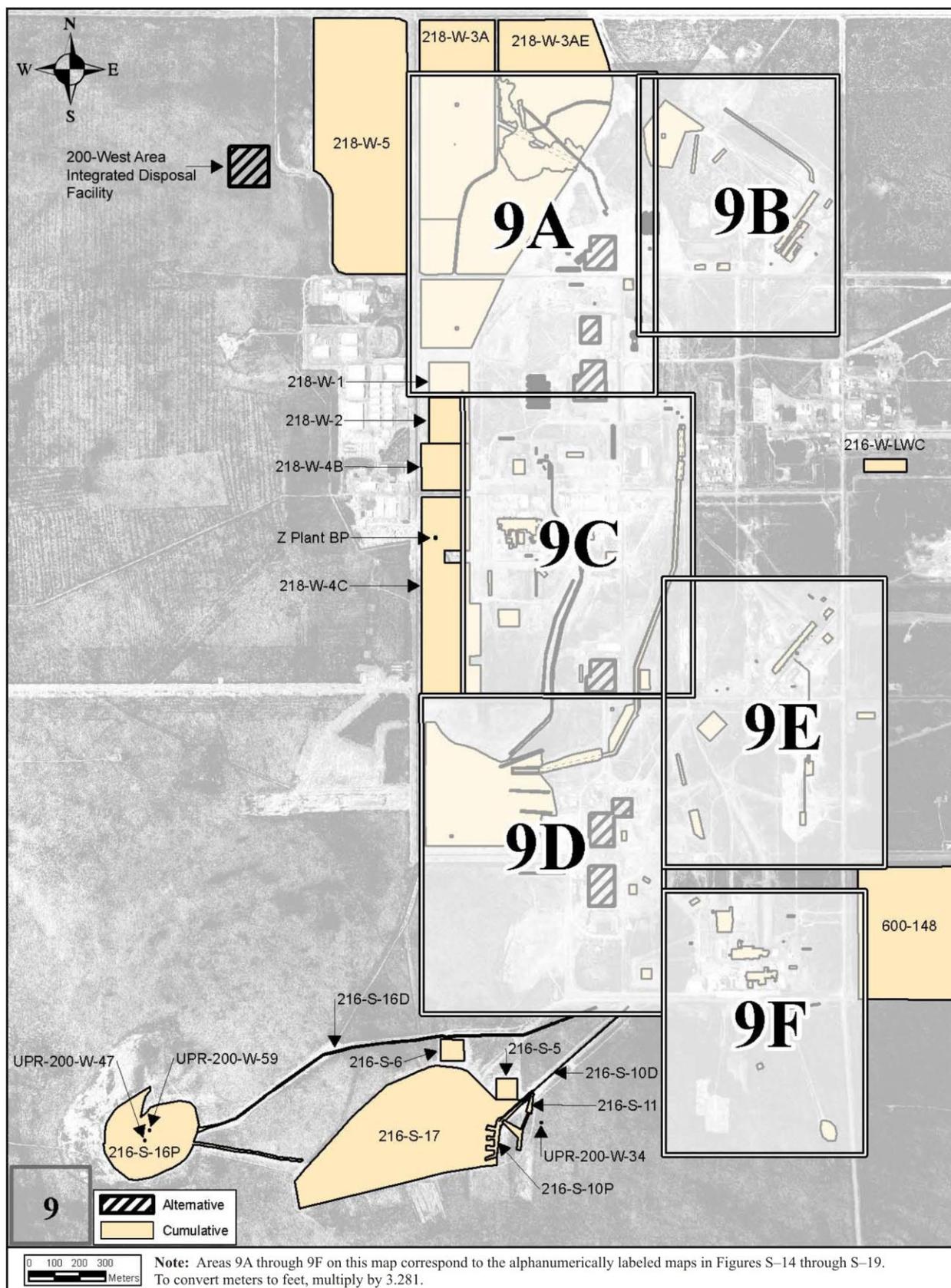


Figure S-13. Map 9: Alternatives and Cumulative Impact Sites in the 200-West Area

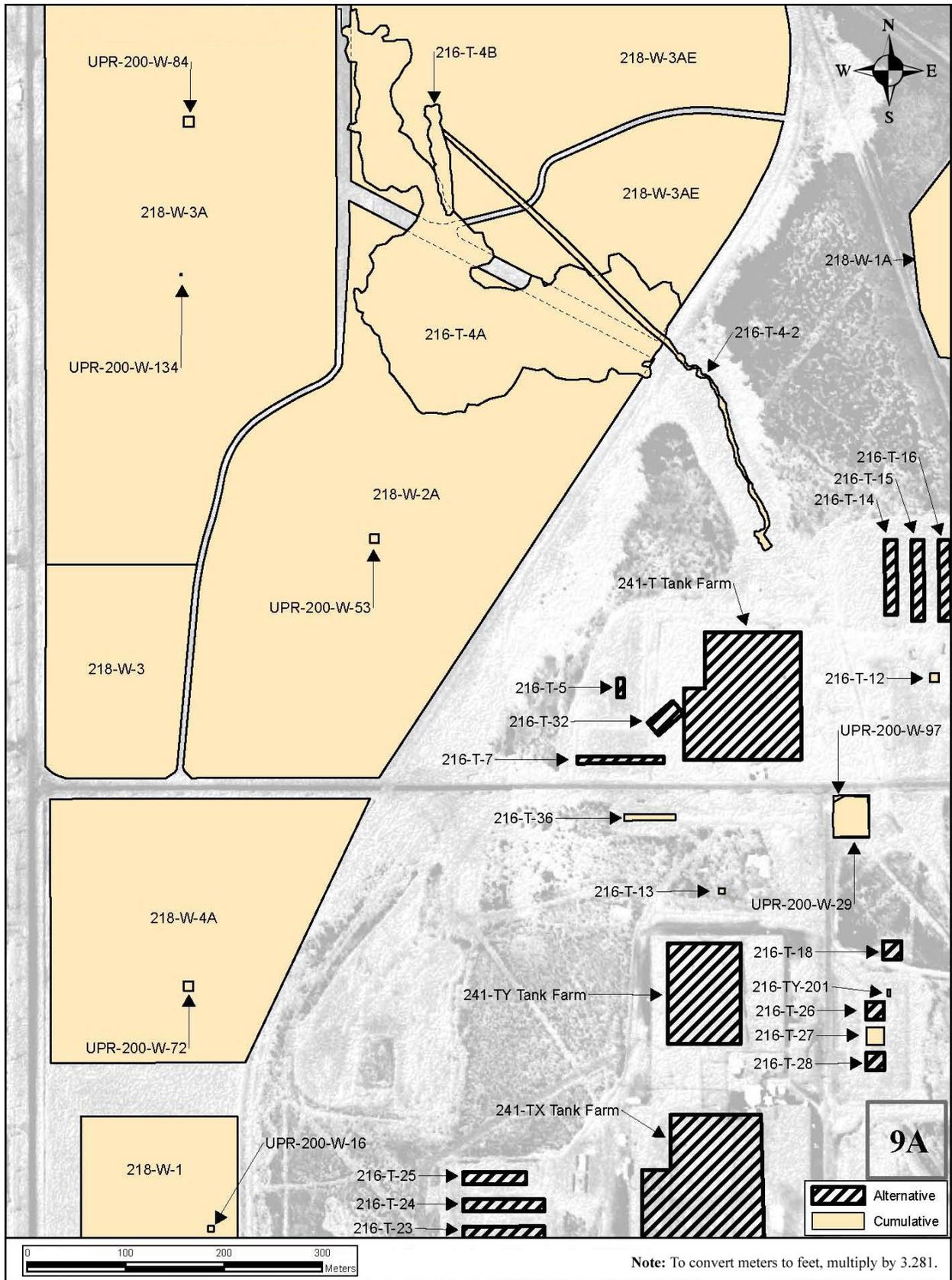


Figure S-14. Map 9A: Alternatives and Cumulative Impact Sites in the 200-West Area

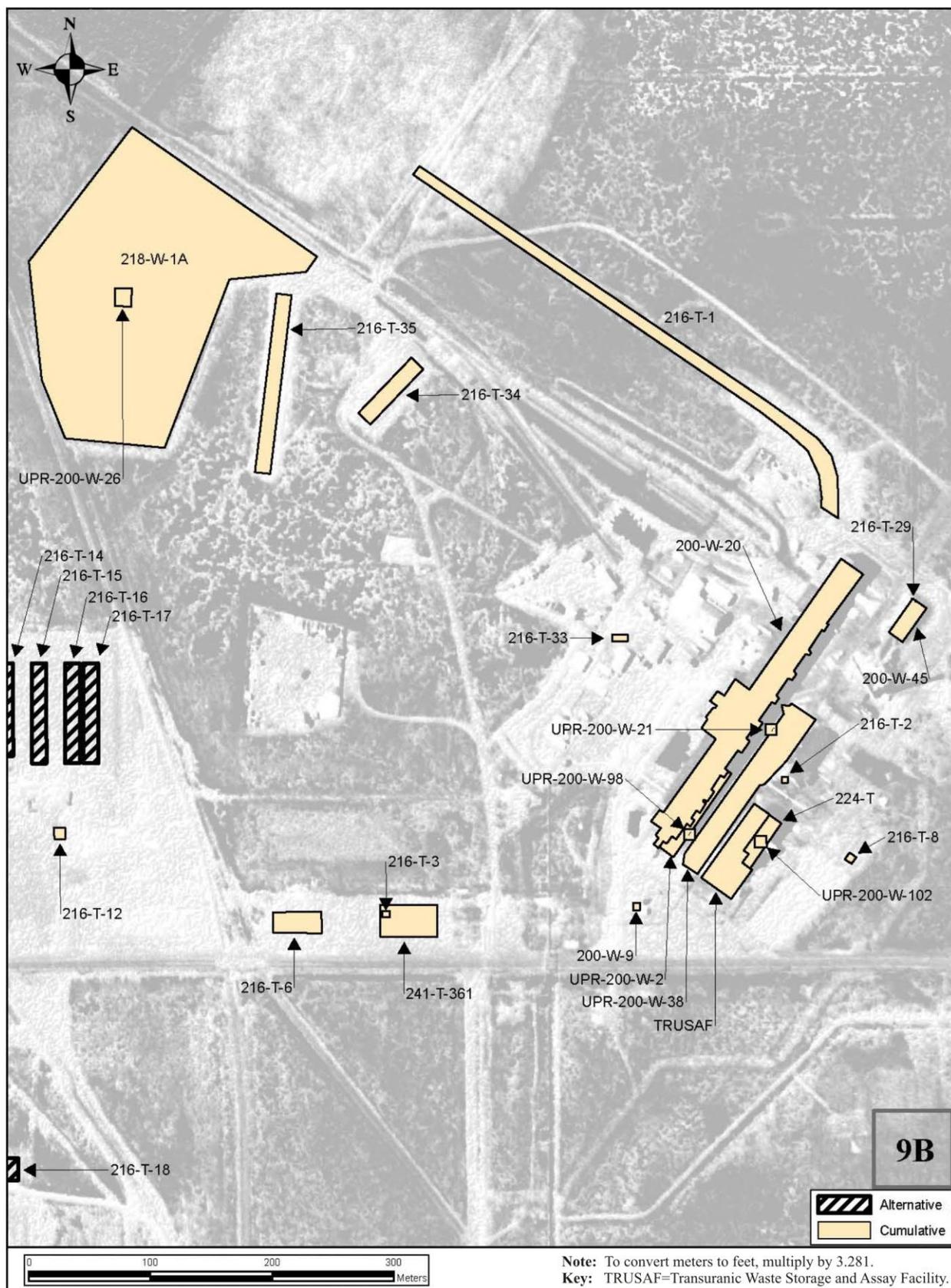


Figure S-15. Map 9B: Alternatives and Cumulative Impact Sites in the 200-West Area

Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington

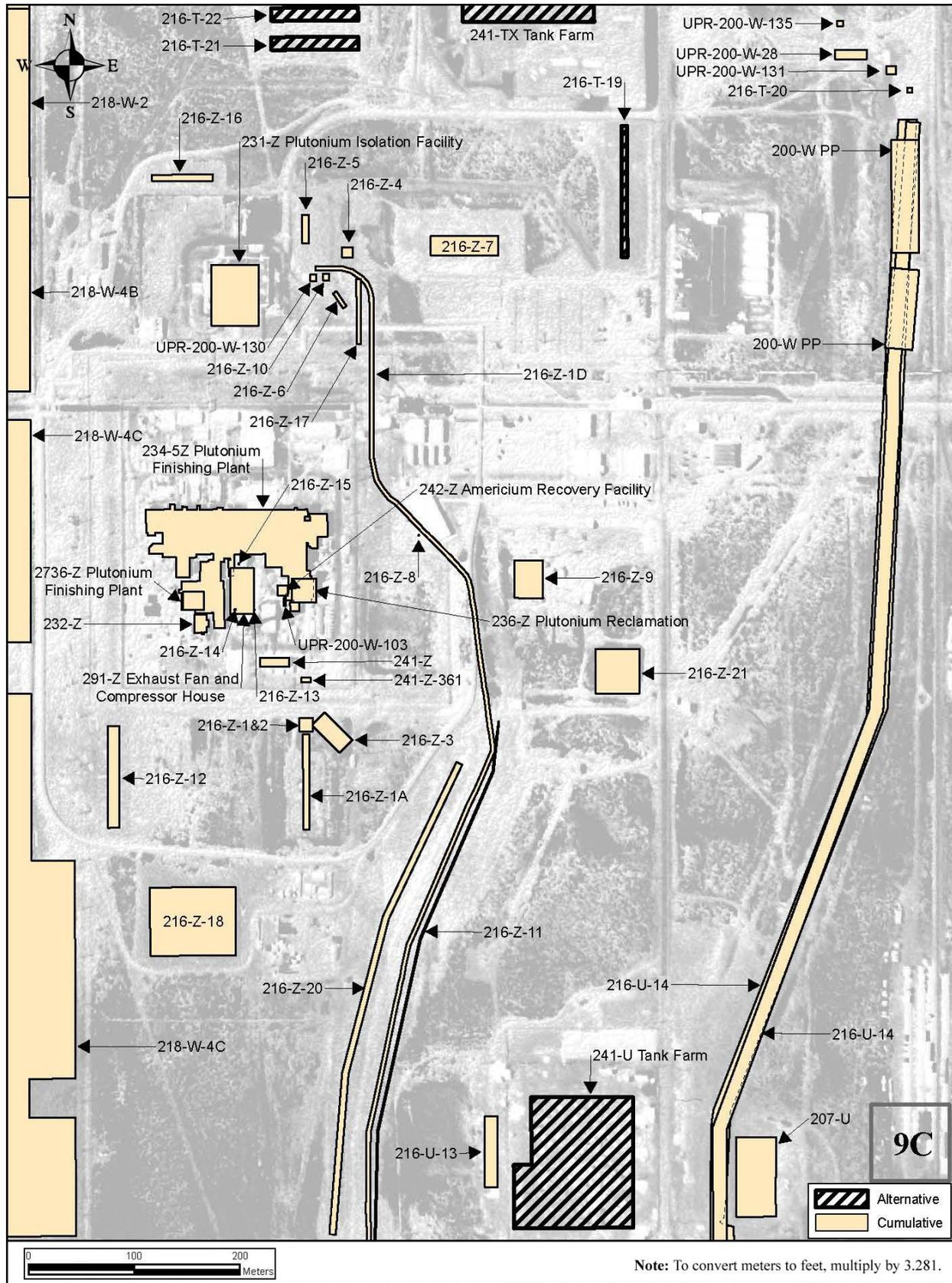


Figure S-16. Map 9C: Alternatives and Cumulative Impact Sites in the 200-West Area

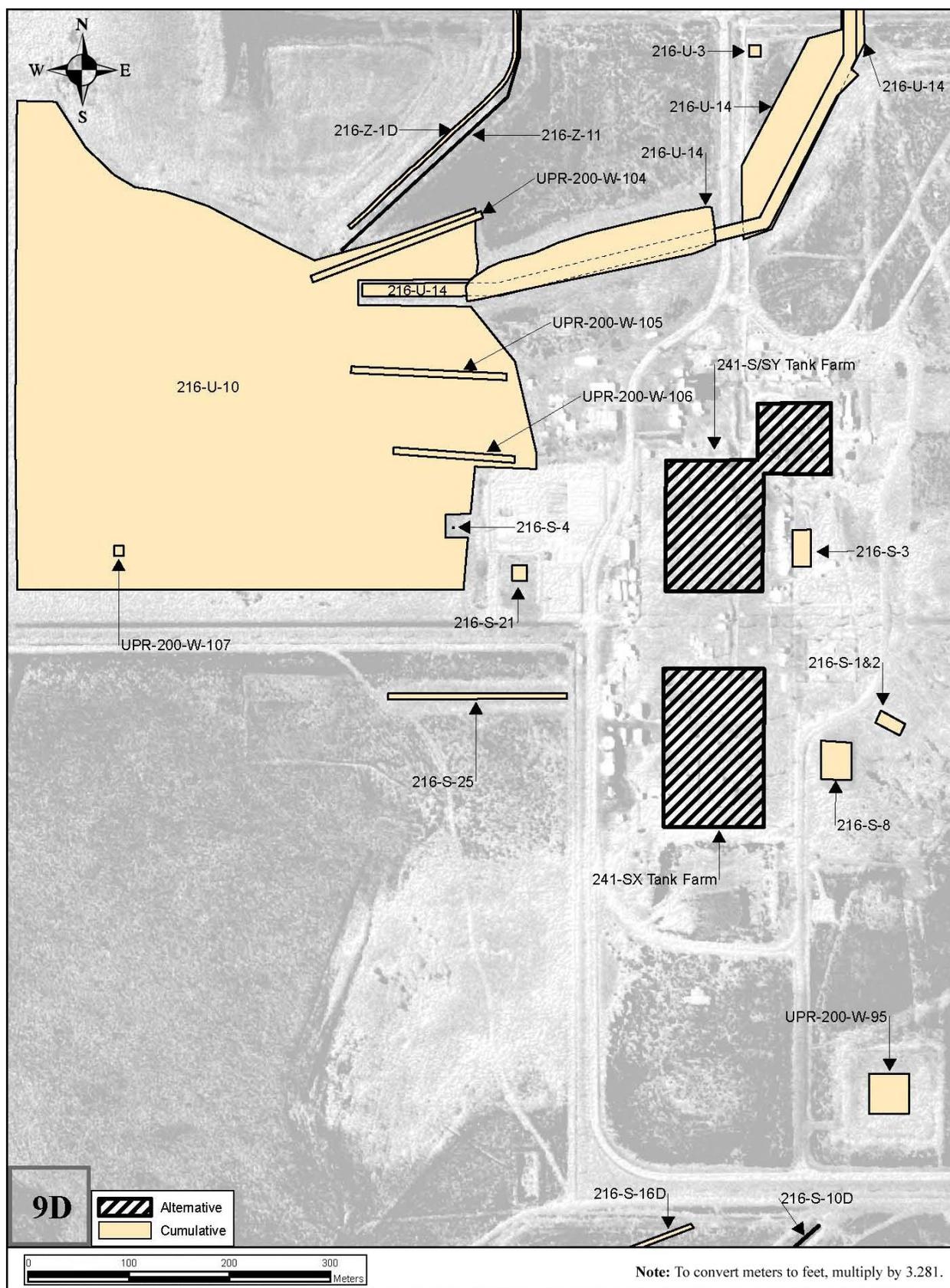


Figure S-17. Map 9D: Alternatives and Cumulative Impact Sites in the 200-West Area

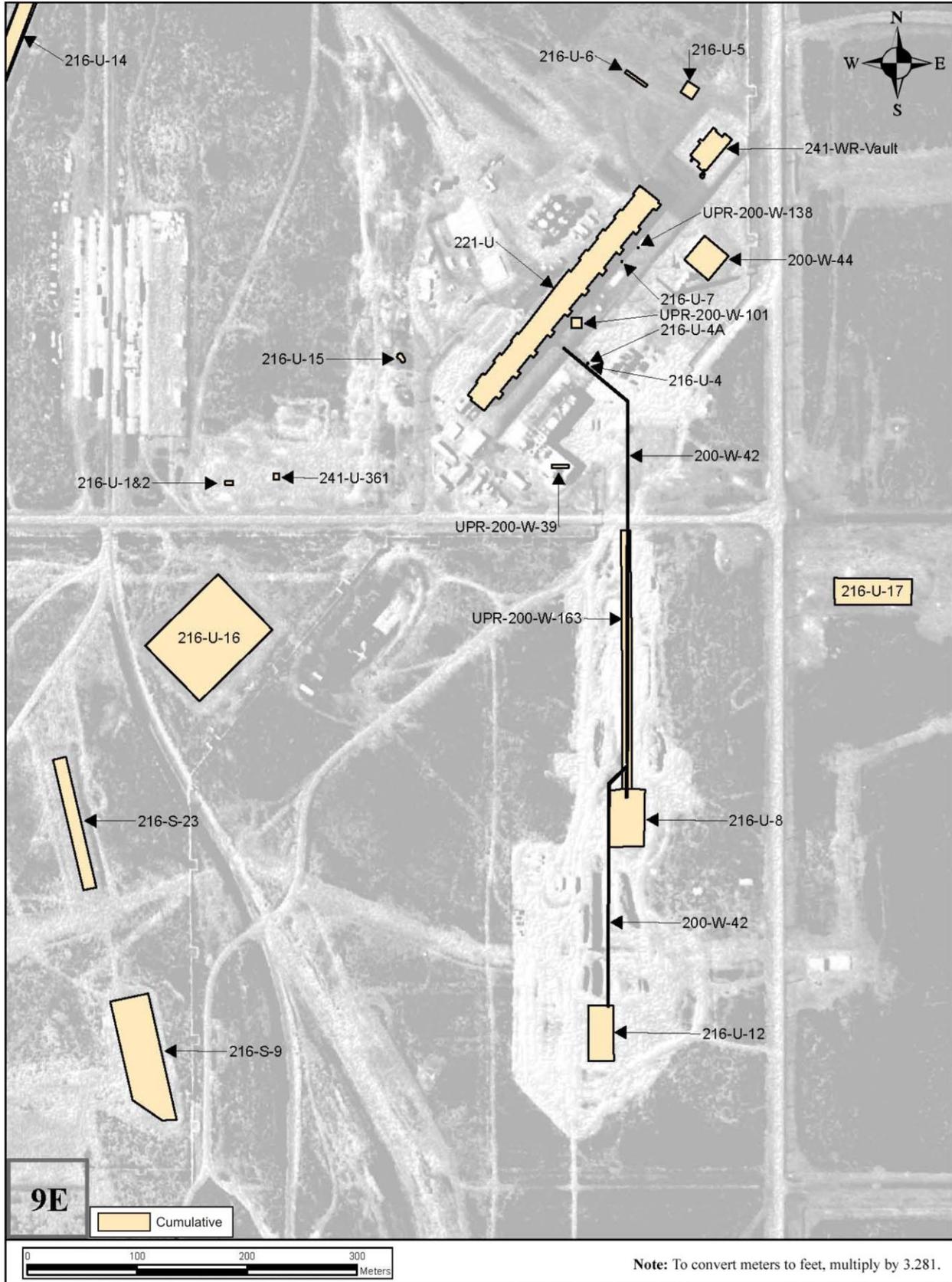


Figure S-18. Map 9E: Cumulative Impact Sites in the 200-West Area

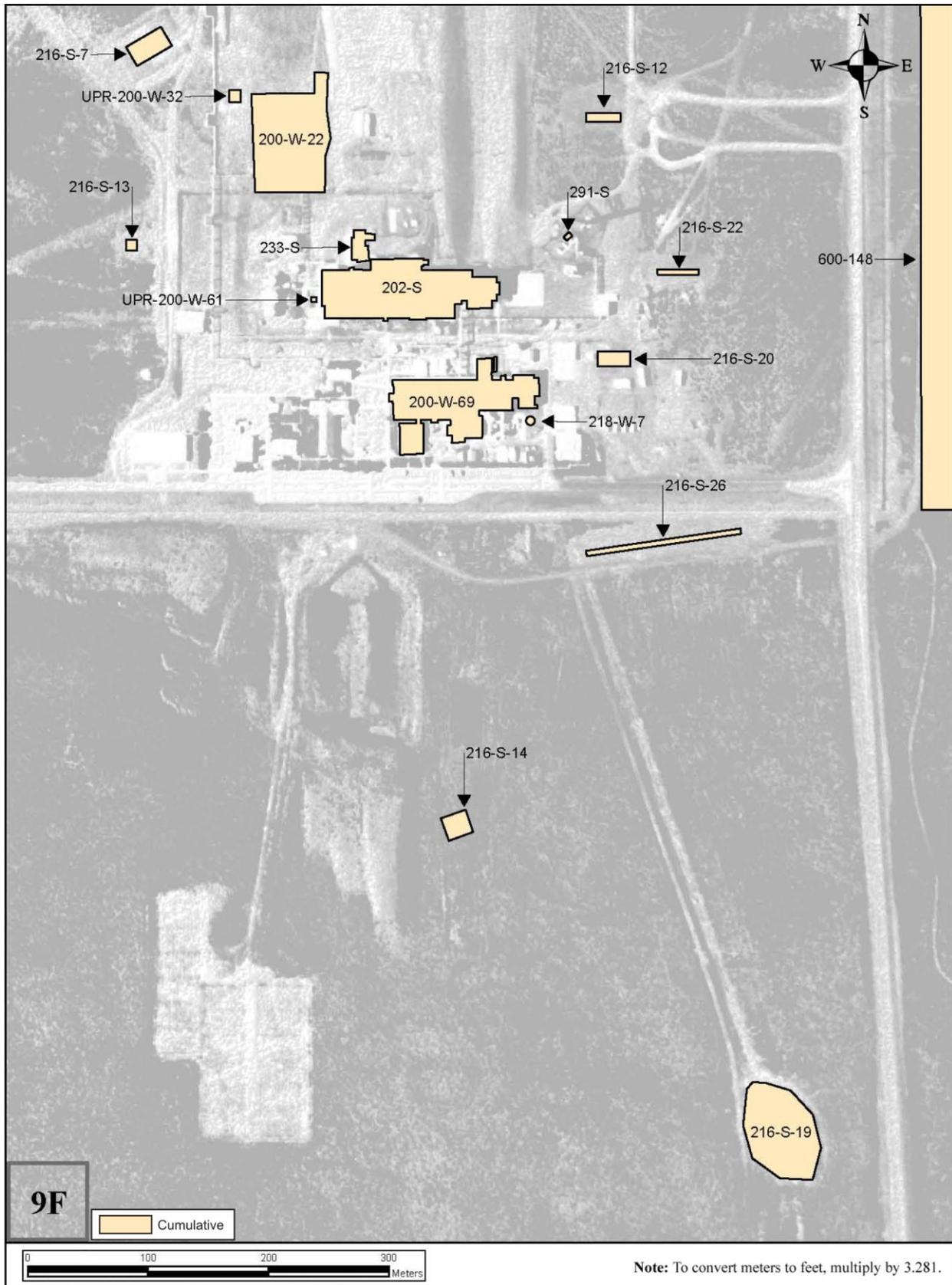


Figure S-19. Map 9F: Cumulative Impact Sites in the 200-West Area

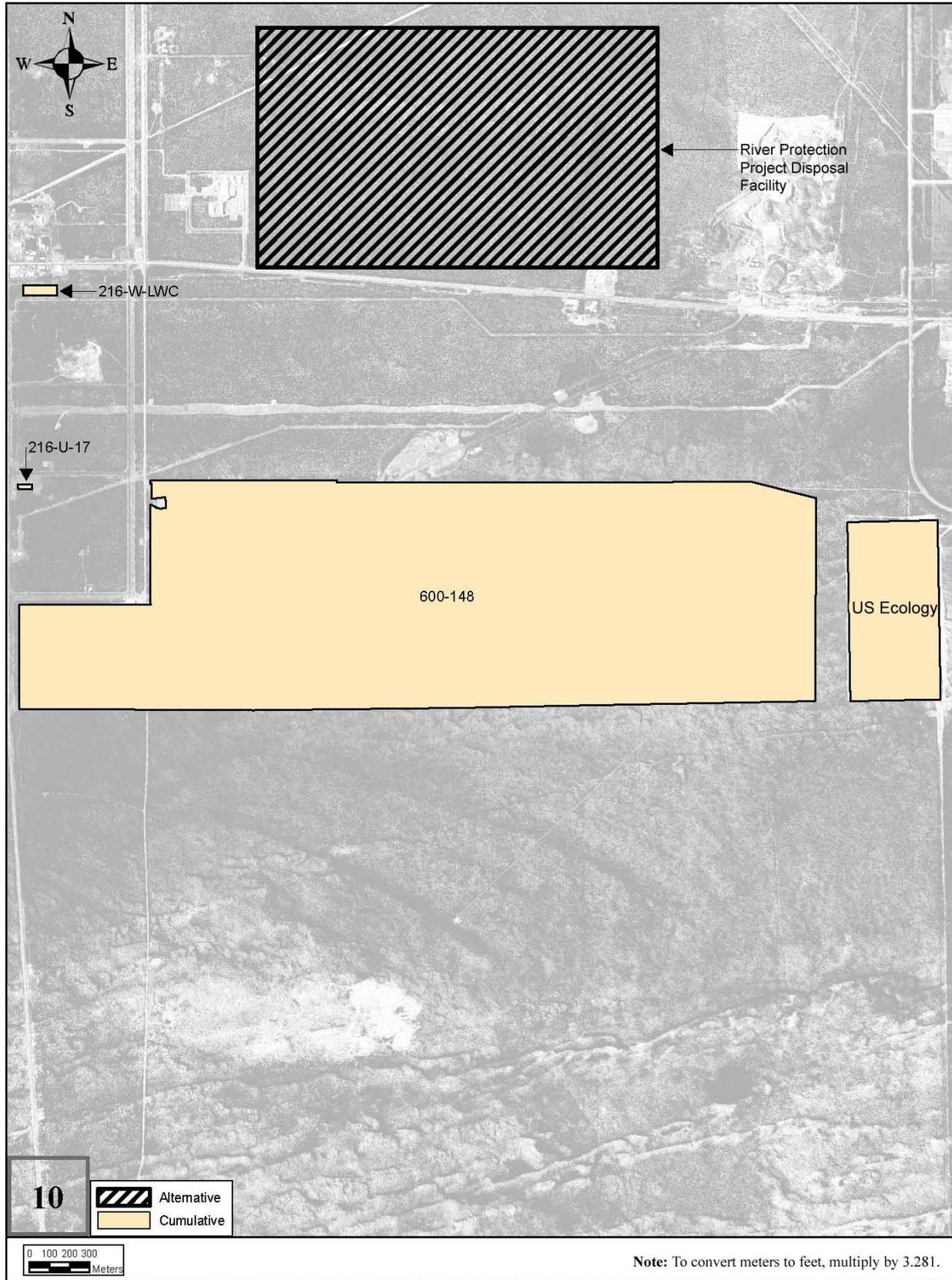


Figure S-20. Map 10: Alternatives and Cumulative Impact Sites in the Environmental Restoration Disposal Facility Area

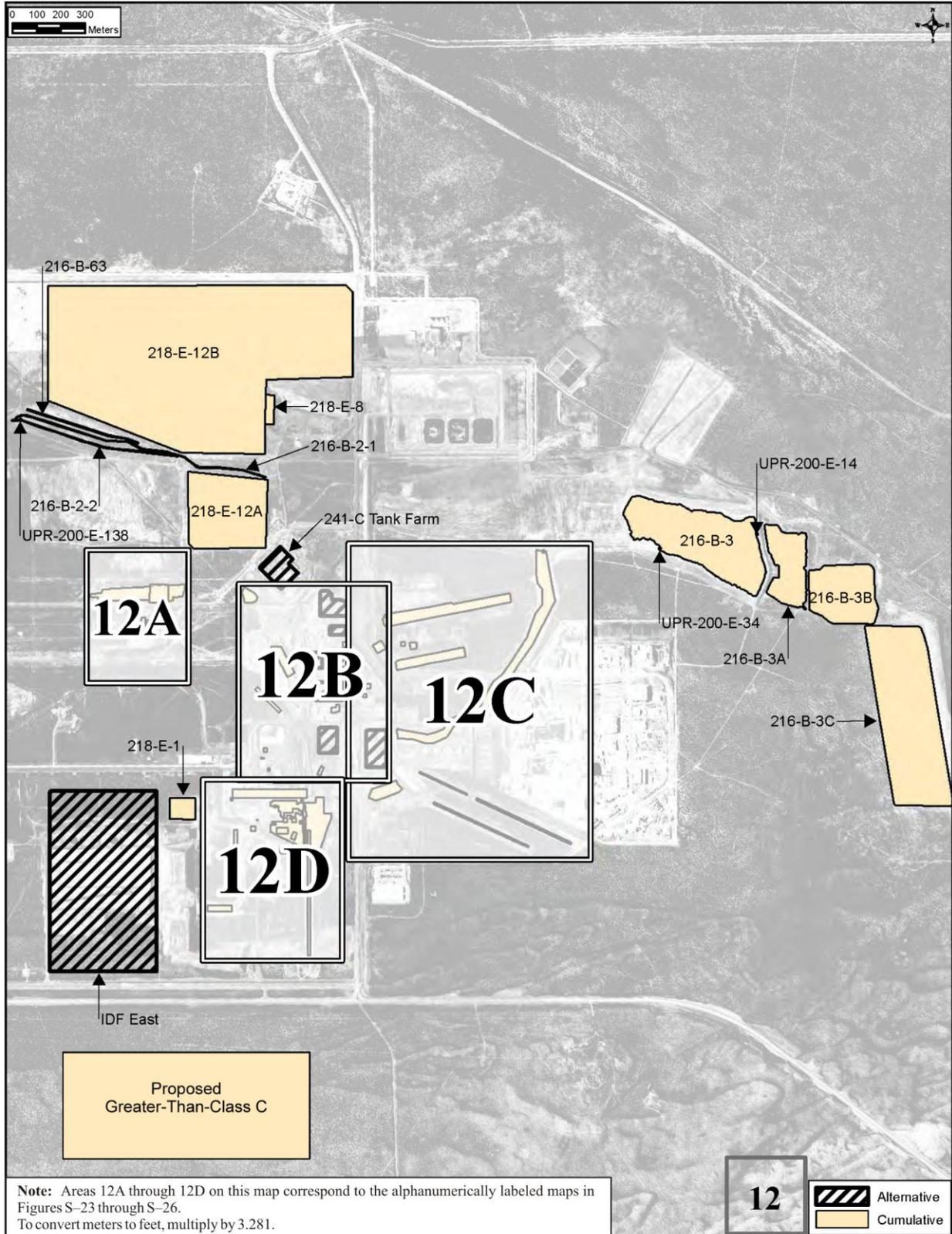


Figure S-22. Map 12: Alternatives and Cumulative Impact Sites in the 200-East Area



Figure S-23. Map 12A: Cumulative Impact Sites in the 200-East Area

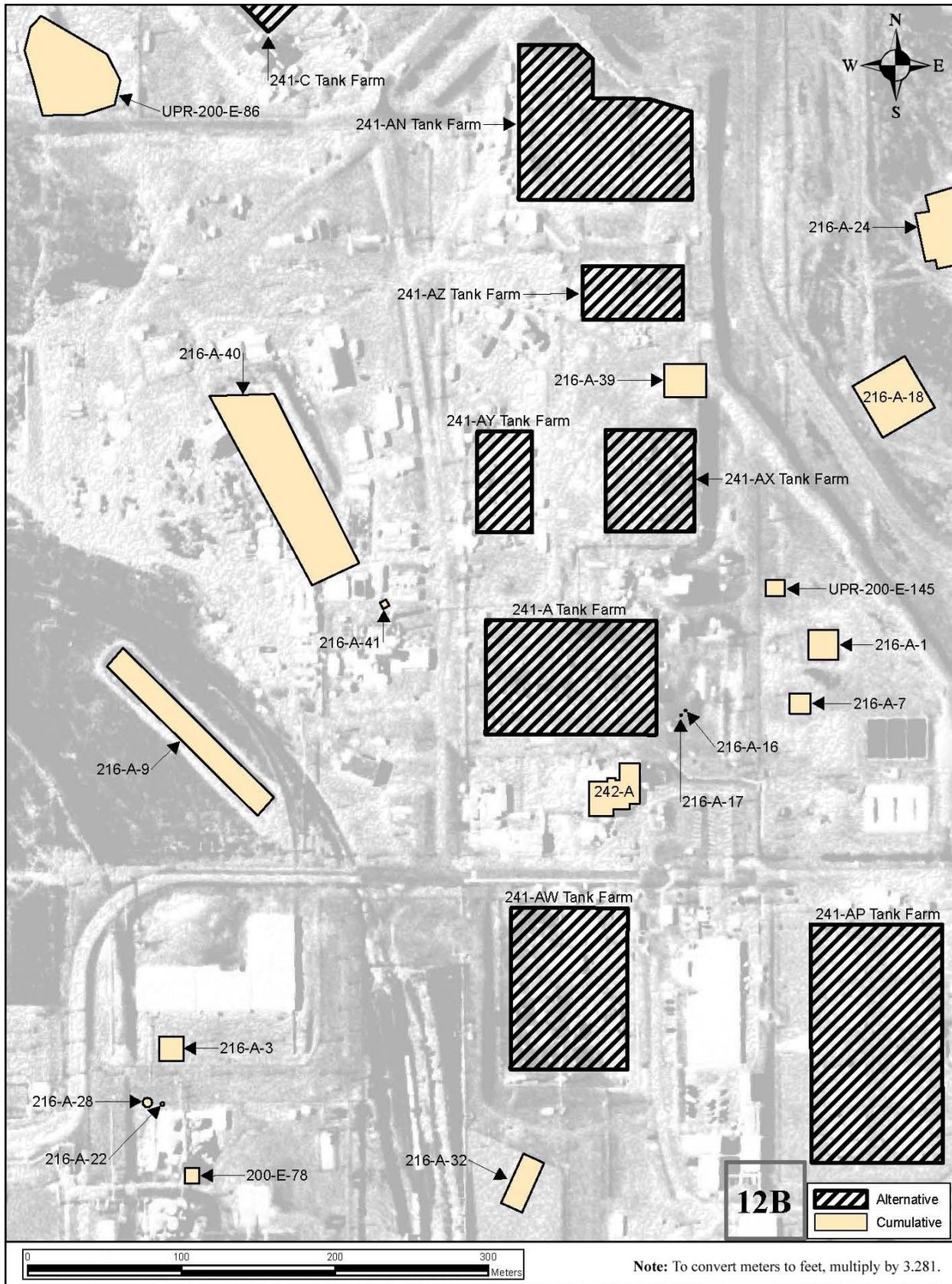


Figure S-24. Map 12B: Alternatives and Cumulative Impact Sites in the 200-East Area

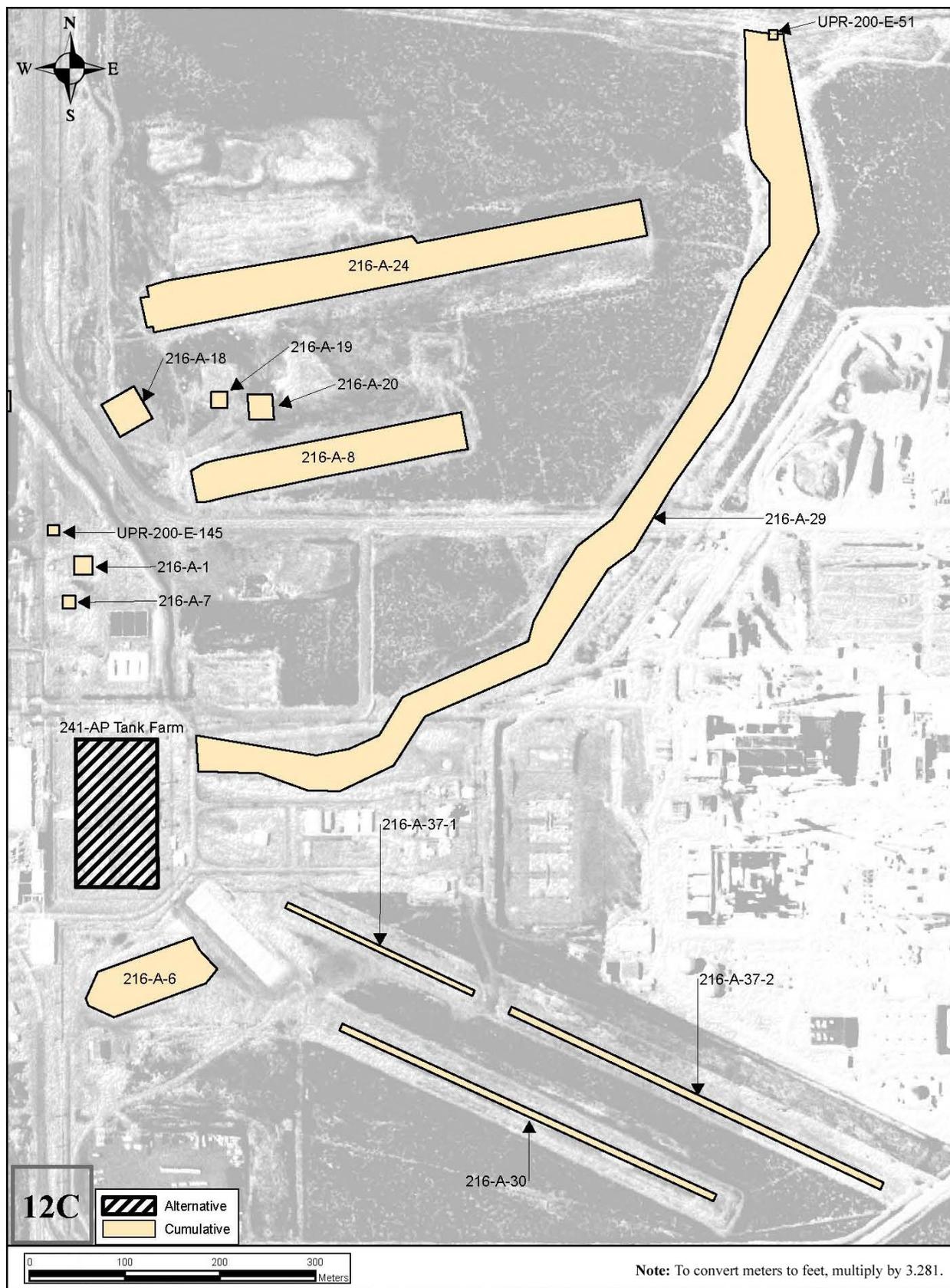


Figure S-25. Map 12C: Alternatives and Cumulative Impact Sites in the 200-East Area

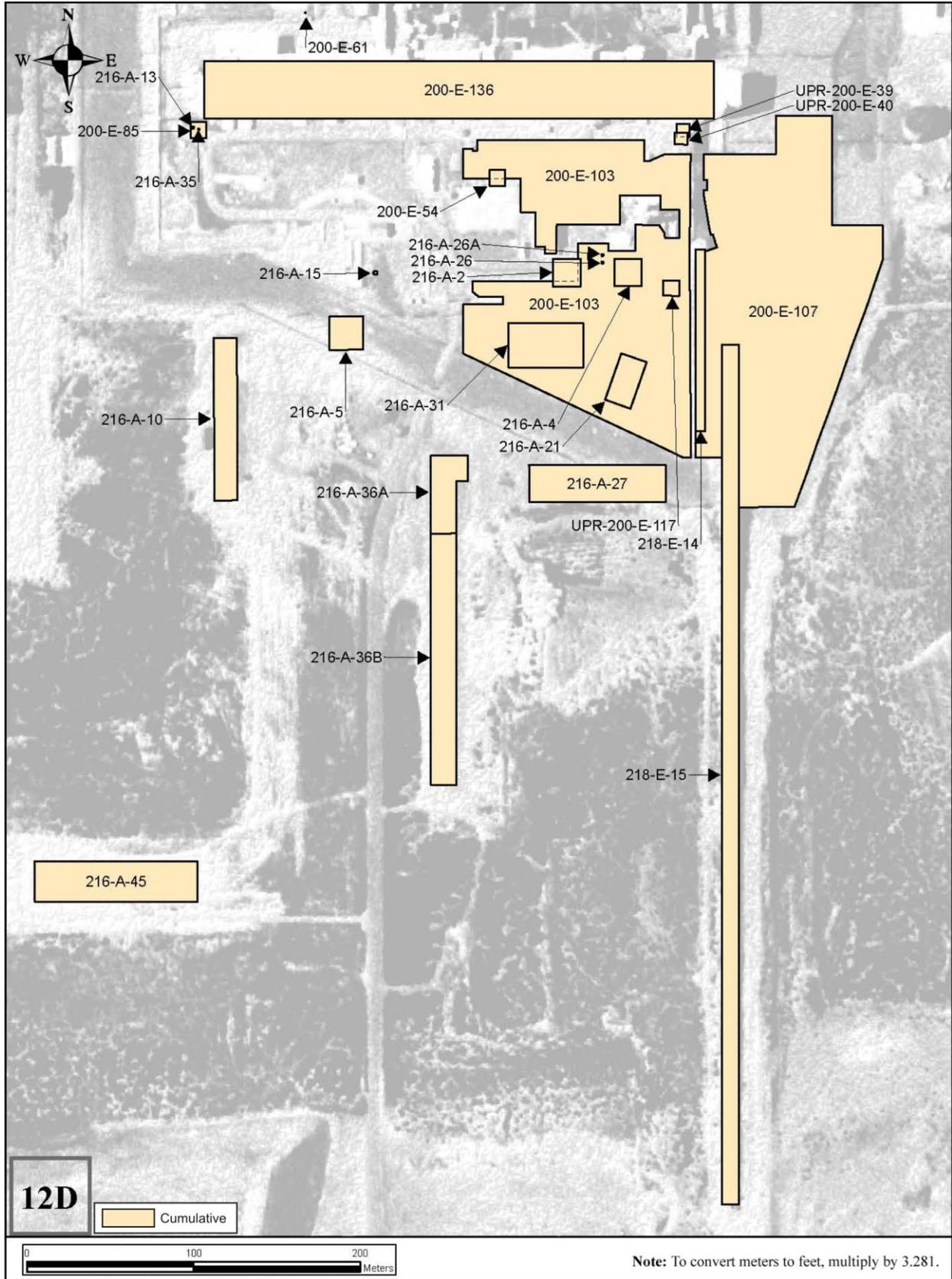


Figure S-26. Map 12D: Cumulative Impact Sites in the 200-East Area

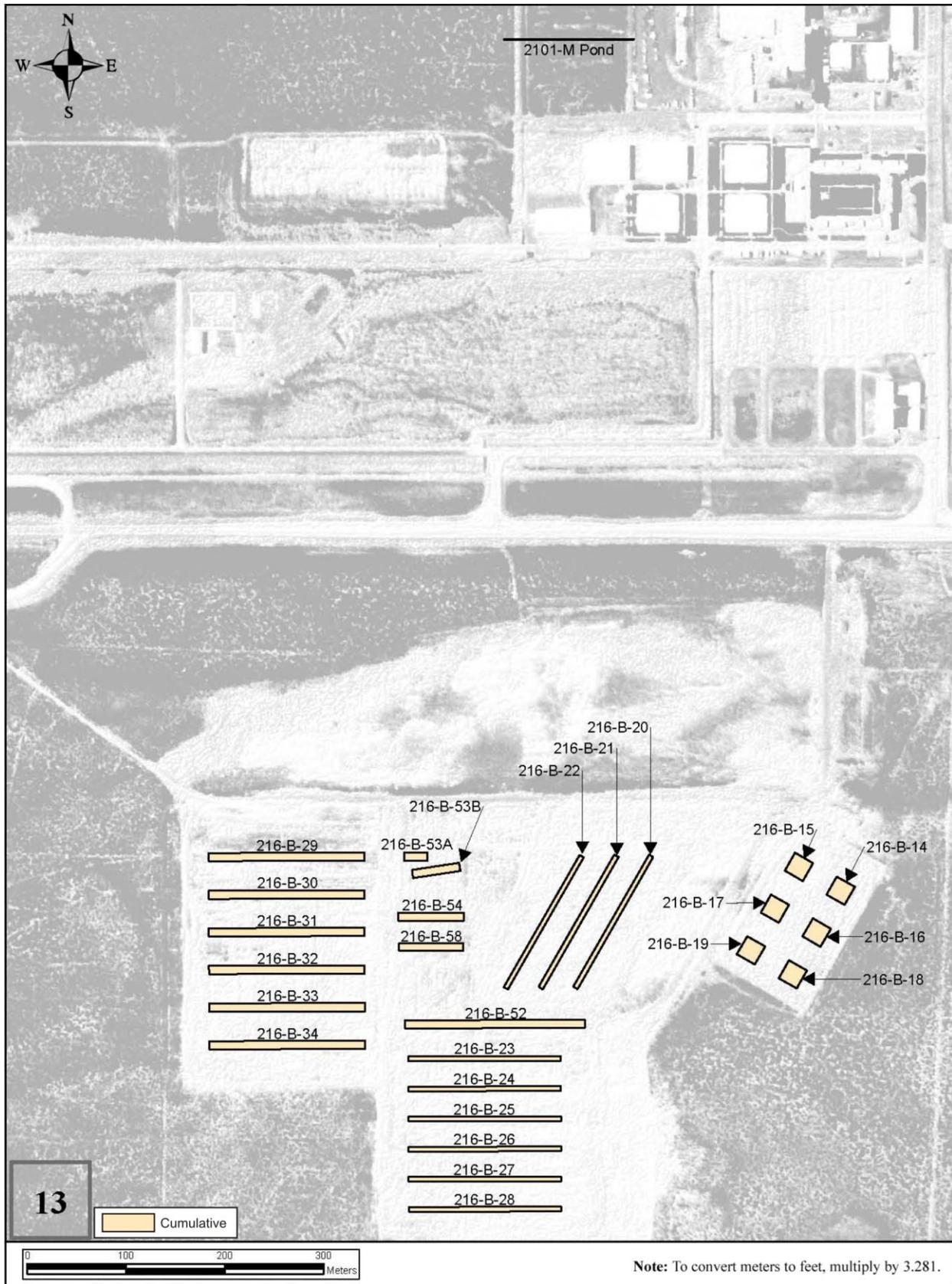


Figure S-27. Map 13: Cumulative Impact Sites in the 200-East Area



Figure S-28. Map 14: Cumulative Impact Sites in the 600 Area



Figure S-29. Map 15: Alternatives and Cumulative Impact Sites in Vicinity of the 300 and 400 Areas

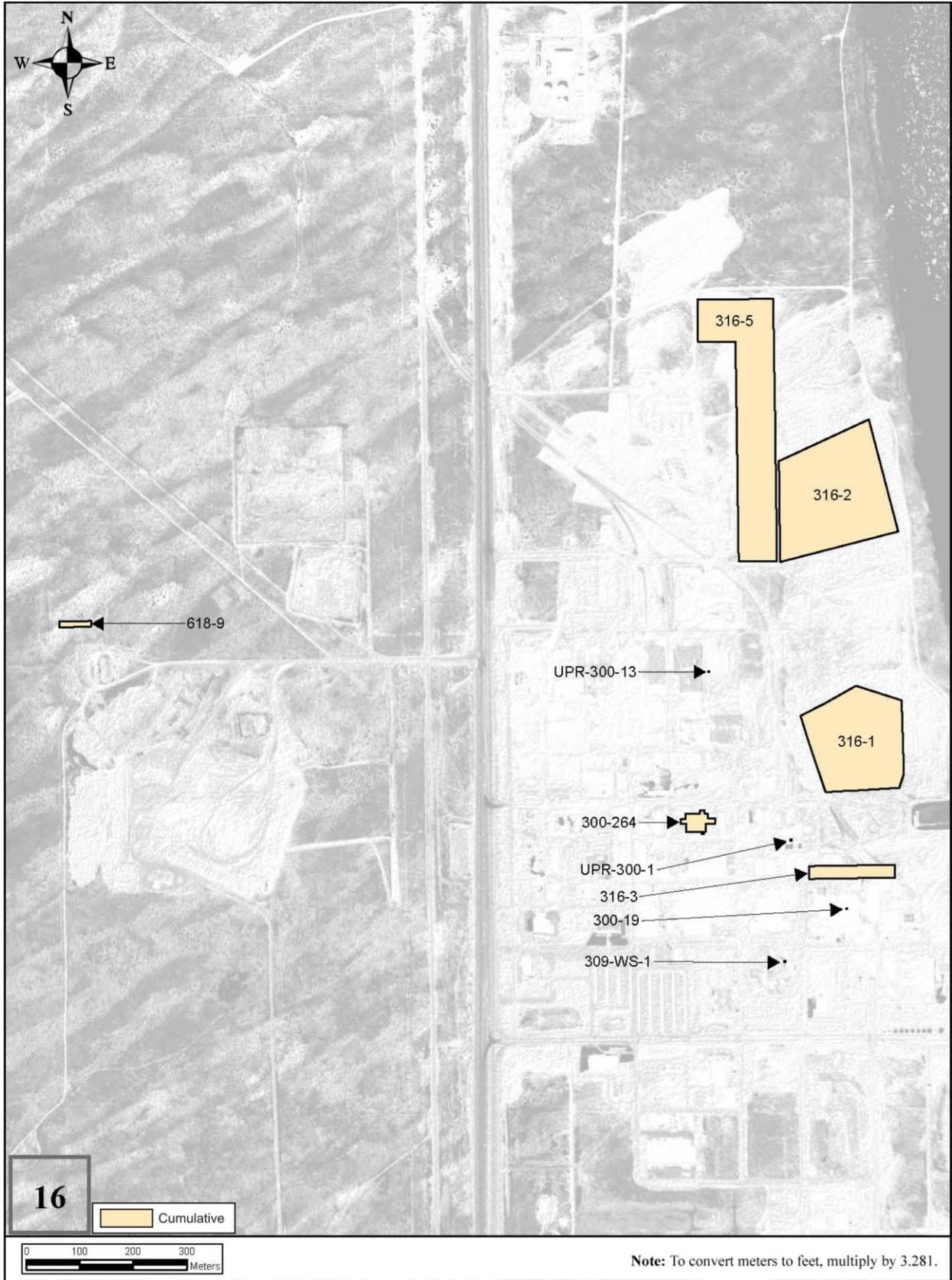


Figure S-30. Map 16: Cumulative Impact Sites in the 300 Area

Table S-9. Cumulative Impacts Sites for Map 1

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
116-B-1	107-B Liquid Waste Disposal Trench	Trench	Liquid	6.0×10 ⁷	–	1950	1968	Remediated and closed out in 1999
116-B-4	105-B Dummy Decontamination French Drain	French drain	Liquid	3.0×10 ⁵	–	1957	1968	Remediated and closed out in 2000
116-B-5	108-B Crib (116-B-5 Crib)	Crib	Liquid	1.0×10 ⁷	–	1950	1968	Site excavated in 1995 and contaminated soil disposed of in ERDF
116-B-6A	116-B-6-1 Crib	Crib	Liquid	5.0×10 ³	–	1951	1968	Excavated and remediated in 1999
116-B-6B	116-B-6-2 Crib	Crib	Liquid	1.0×10 ⁴	–	1950	1953	Excavated and remediated in 1999
116-B-11	107-B Retention Basins	Retention basin	Liquid	Unknown	–	1944	1968	Excavated and remediated in 1999
116-C-5	107-C Retention Basins	Retention basin	Liquid	Unknown	–	1952	1969	Tanks excavated, remediated, and closed out in 1999
116-C-1	107-C Liquid Waste Disposal Trench	Trench	Liquid	1.0×10 ⁸	–	1952	1968	Tanks excavated, remediated, and closed out in 1999
116-C-2A	105-C Pluto Crib	Crib	Liquid	3.50×10 ⁶	–	1952	1968	Backfilled with 4.6 meters (15 feet) of soil in 1968; area excavated and contaminated soil removed to ERDF in 1999
116-C-2C	105-C Pluto Crib Sand Filter	Crib/ sand filter	Liquid	3.50×10 ⁶	–	1952	1969	Site excavated and removed to ERDF in 1999

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ERDF=Environmental Restoration Disposal Facility; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-10. Cumulative Impacts Sites for Map 2

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
116-K-1	100-K Crib	Crib	Liquid	4.00×10 ⁷	–	1955	1971	Contaminated soil removed and disposed of in ERDF in 2003
116-K-2	100-K Mile Long Trench	Trench	Liquid	3.00×10 ¹¹	–	1955	1971	Contaminated soil removed in 1996; site backfilled and stabilized
116-KE-4	107-KE Retention Basins	Retention basin	Liquid	Unknown	–	1955	1971	Steel walls of tanks removed, site interim-stabilized, and bottoms of tanks left in place and backfilled in 1995; large pieces of contaminated effluent piping and scrap metal removed and taken to ERDF in 1999
116-KW-3	107-KW Retention Basin	Retention basin	Liquid	Unknown	–	1955	1970	Steel walls of tanks removed, site interim-stabilized, bottoms of tanks left in place, and site backfilled in 1995; large pieces of contaminated effluent piping and scrap metal removed and taken to ERDF in 1999
116-KE-1	115-KE Condensate Crib	Crib	Liquid	8.00×10 ⁵	–	1955	1971	Crib and pipeline removed to ERDF and site covered with clean backfill
116-KE-2	1706-KER Waste Crib	Crib	Liquid	3.00×10 ⁶	–	1955	1971	Inactive; site retired in 1971
116-KW-1	115-KW Condensate Crib	Crib	Liquid	8.00×10 ⁵	–	1955	1971	Crib and pipeline removed to ERDF and site covered with clean backfill in 2004
UPR-100-K-1	100-KE Fuel Storage Basin Leak	Unplanned release	Liquid	Unknown	–	1974	1979	Inactive
120-KE-1	183-KE Filter Waste Facility Drywell	Sump	Liquid/ solid	Unknown	–	1955	1971	Drain backfilled and surface stabilized in August 2000

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ERDF=Environmental Restoration Disposal Facility; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–11. Cumulative Impacts Sites for Map 3

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
116-N-1	1301-N Liquid Waste Disposal Facility	Crib	Liquid	8.37×10 ¹⁰	–	1964	1985	Inactive; crib stabilized and trench backfilled
116-N-3	1325-N Liquid Waste Disposal Facility	Crib	Liquid	7.61×10 ⁹	–	1983	1991	Remediated and closed out
UPR-100-N-3	Spacer Disposal System Transport Line Leak	Unplanned release	Liquid	1.36×10 ⁶	–	1978	1978	Line repaired, contaminated soil removed, and sinkhole backfilled
UPR-100-N-7	Rad Line Leak	Unplanned release	Liquid	1.91×10 ⁶	–	1985	1985	Inactive; no remediation action reported
UPR-100-N-35	100-N Fuel Storage Basin Drainage System Leak	Unplanned release	Liquid	Unknown	–	1986	1986	Inactive; no remediation action reported

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–12. Cumulative Impacts Sites for Map 4

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
116-D-1A	105-D Storage Basin Trenches 1	Trench	Liquid	2.00×10 ⁵	–	1947	1952	Site excavated and contaminated soil disposed of in ERDF; backfilled with clean soil in 2000
116-D-1B	105-D Storage Basin Trenches 2	Trench	Liquid	8.00×10 ⁶	–	1953	1967	Site excavated and contaminated soil disposed of in ERDF; backfilled with clean soil in 2000
116-D-7	107-D Retention Basin	Retention basin	Liquid	Unknown	–	1944	1967	Site excavated and contaminated soil disposed of in ERDF in 1997; closed out in 2000
116-DR-9	107-DR Retention Basin	Retention basin	Liquid	Unknown	–	1950	1967	Site excavated and contaminated soil disposed of in ERDF; closed out in 1999
100-D-25	107-DR Basin Leaks	Unplanned release	Liquid	Unknown	–	1951	Unknown	Site excavated and contaminated soil disposed of in ERDF; closed out in 1999
UPR-100-D-4	107-D Basin Leaks	Unplanned release	Liquid	Unknown	–	1950	Unknown	Site excavated and contaminated soil disposed of in ERDF in 1997; closed out in 2000
116-DR-1&2	107-DR Liquid Waste Disposal Trenches	Trench	Liquid	8.00×10 ⁷	–	1951	1967	Site excavated and contaminated soil disposed of in ERDF in 1997; closed out in 2000
116-DR-6	1608-DR Liquid Disposal Trench	Trench	Liquid	7.00×10 ⁶	–	1953	1965	Site excavated and contaminated soil disposed of in ERDF in 1997; closed out in 2000
116-DR-7	105-DR Inkwell Crib	Crib	Liquid	4.00×10 ³	–	1953	1953	Site excavated and contaminated soil disposed of in ERDF in 1999

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ERDF=Environmental Restoration Disposal Facility; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-13. Cumulative Impacts Sites for Map 5

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
100-H-33	183-H Solar Evaporation Basins Radionuclide Components	Retention basin	Liquid	9.63×10 ⁶	–	1949	1985	Remediated in 1985 and 1996 and closed out in 1997
116-H-6	183-H Solar Evaporation Basins	Retention basin	Liquid	See 100-H-33	–	1949	1985	Remediated in 1985 and 1996 and closed out in 1997
116-H-1	107-H Liquid Disposal Trench	Trench	Liquid	9.00×10 ⁷	–	1952	1965	Contaminated soil removed and disposed of in ERDF in 2000
116-H-2	1608-H Liquid Waste Disposal Trench	Trench	Liquid	6.00×10 ⁹	–	1953	1965	Contaminated soil removed and disposed of in ERDF in 2001
116-H-4	105-H Pluto Crib	Crib	Liquid	1.00×10 ³	–	1950	1952	Contaminated material moved in 1960 and placed in 118-H-5 burial ground
116-H-7	107-H Retention Basin	Retention basin	Liquid	Unknown	–	1949	1965	Contaminated soil removed and disposed of in ERDF in 2001
116-H-3	105-H Dummy Decontamination French Drain	French drain	Liquid	4.00×10 ⁵	–	1950	1965	Contaminated soil removed and disposed of in ERDF in 2000

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ERDF=Environmental Restoration Disposal Facility; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-14. Cumulative Impacts Sites for Map 6

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
116-F-1	Lewis Canal	Trench	Liquid	1.00×10 ⁸	–	1953	1965	Soil and debris removed and disposed of in ERDF in 2002; backfilled to grade with clean soil
116-F-2	107-F Liquid Waste Disposal Trench	Trench	Liquid	6.00×10 ⁷	–	1950	1965	Soil and debris removed and disposed of in ERDF in 2002; backfilled to grade with clean soil
116-F-9	Animal Waste Leaching Trench	Trench	Liquid	3.00×10 ⁸	–	1963	1976	Soil and debris removed and disposed of in ERDF in 2002; backfilled to grade with clean soil
116-F-3	105-F Storage Basin Trench	Trench	Liquid	4.00×10 ⁶	–	1949	1951	Contaminated soil removed and disposed of in ERDF in 2003
116-F-6	105-F Cooling Water Trench	Trench	Liquid	1.00×10 ⁵	–	1952	1965	Contaminated soil removed and disposed of in ERDF in 2002
116-F-4	105-F Pluto Crib	Crib	Liquid	4.00×10 ³	–	1950	1956	Contaminated soil removed and disposed of in ERDF in 1993
116-F-10	105-F Dummy Decontamination French Drain	French drain	Liquid	4.00×10 ⁸	–	1953	1965	Contaminated soil removed and disposed of in ERDF in 2003
116-F-14	107-F Retention Basin	Retention basin	Liquid	–	–	1945	1965	Decommissioned in stages from 1965 to 1999; excavation and disposal in ERDF completed in 2002

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ERDF=Environmental Restoration Disposal Facility; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-15. Cumulative Impacts Sites for Map 7

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-N-1	216-N-1 Pond	Pond	Liquid	9.47×10 ⁸	–	1944	1952	Deactivated and backfilled; removal, treatment, and disposal planned
216-N-2	216-N-2 Trench	Trench	Liquid	7.57×10 ⁶	–	1947	1947	Deactivated and backfilled; removal, treatment, and disposal planned
216-N-3	216-N-3 Trench	Trench	Liquid	7.57×10 ⁶	–	1952	1952	Deactivated and backfilled; removal, treatment, and disposal planned
216-N-4	216-N-4 Pond	Pond	Liquid	9.47×10 ⁸	–	1944	1952	Deactivated and backfilled; removal, treatment, and disposal planned
216-N-5	216-N-5 Trench	Trench	Liquid	7.57×10 ⁶	–	1952	1952	Deactivated and backfilled; removal, treatment, and disposal planned
216-N-6	216-N-6 Pond	Pond	Liquid	9.47×10 ⁸	–	1944	1952	Deactivated in 1952 and backfilled; removal, treatment, and disposal planned
216-N-7	216-N-7 Trench	Trench	Liquid	7.57×10 ⁶	–	1952	1952	Deactivated and backfilled; removal, treatment, and disposal planned

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-16. Cumulative Impacts Sites for Map 8

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-A-25	216-A-25 Gable Mountain Pond	Pond	Liquid	2.94×10 ¹¹	–	1957	1985	Backfilled in 1988; surface stabilized in 1997
UPR-200-E-34	UPR-200-E-34	Contaminated soil	Liquid	Unknown	–	1964	1964	Surface stabilized
600-118	600-118 Ditch	Soil	Liquid	Unknown	–	Unknown	Unknown	Backfilled with clean soil

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-17. Cumulative Impacts Sites for Map 9

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-S-5	216-S-5 Crib	Crib	Liquid	4.08×10 ⁹	–	1954	1957	Surface stabilized in 1990; landfill closure planned
216-S-6	216-S-6 Crib	Crib	Liquid	4.44×10 ⁹	–	1954	1972	Surface stabilized in 1990; landfill closure planned
216-S-10D	216-S-10D Ditch	Ditch	Liquid	4.66×10 ⁹	–	1954	1991	Portion backfilled and stabilized in 1984
216-S-10P	216-S-10P Pond	Pond	Liquid	6.73×10 ⁹	–	1951	1991	Backfilled and stabilized in 1984; landfill closure planned
216-S-11	216-S-11 Pond	Pond	Liquid	2.23×10 ⁹	–	1954	1965	Interim-stabilized in 1983; landfill closure planned
216-S-16D	216-S-16D Ditch	Ditch	Liquid	4.00×10 ⁸	–	1957	1975	Backfilled and surface stabilized
216-S-16P	216-S-16P Pond	Pond	Liquid	4.07×10 ¹⁰	–	1957	1972	Surface stabilized with additional backfill in 1984; landfill closure planned
216-S-17	216-S-17 Pond	Pond	Liquid	6.44×10 ⁹	–	1951	1954	Backfilled in 1954; surface stabilized with additional backfill in 1984; landfill closure planned
UPR-200-W-47	UPR-200-W-47	Contaminated soil	Liquid	Unknown	–	1958	1959	Surface stabilized in 1984; landfill closure planned
UPR-200-W-59	UPR-200-W-59	Pond	Liquid	Unknown	–	1965	1965	Landfill closure planned
UPR-200-W-34	UPR-200-W-34	Contaminated soil	Liquid	Unknown	–	1955	1955	Stabilized in 1984
218-W-1	218-W-1 Burial Ground	Burial ground	Solid	–	7.0×10 ³	1944	1953	Surface stabilized in 1983; landfill closure planned
218-W-2	218-W-2 Burial Ground	Burial ground	Solid	–	8.2×10 ³	1953	1956	Surface stabilized in 1983; landfill closure planned
218-W-4B	218-W-4B Burial Ground	Burial ground	Solid	–	1.0×10 ⁴	1967	1990	Trenches 1–7 stabilized in 1983; remaining trenches stabilized in 1995; landfill closure planned
218-W-4C	218-W-4C Burial Ground	Burial ground	Solid	–	1.6×10 ⁴	1978	Active	Landfill closure planned
218-W-5	218-W-5 Burial Ground	Burial ground	Solid	–	3.6×10 ⁴	1986	Active	Landfill closure planned
218-W-3AE	218-W-3AE Burial Ground	Burial ground	Solid	–	2.2×10 ⁴	1981	Active	Landfill closure planned
218-W-3A	218-W-3A Burial Ground	Burial ground	Solid	–	1.0×10 ⁵	1970	Active	Landfill closure planned
Z Plant BP	Z Plant Burning Pit	Burning pit	Solid	–	Unknown	1950	1960	Landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-18. Cumulative Impacts Sites for Map 9A

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
218-W-3	218-W-3 Burial Ground	Burial ground	Solid	–	1.1×10 ⁴	1957	1961	Surface stabilized in 1983; landfill closure planned
218-W-4A	218-W-4A Burial Ground	Burial ground	Solid	–	1.8×10 ⁴	1959	1968	Surface stabilized in 1983; landfill closure planned
218-W-2A	218-W-2A Burial Ground	Burial ground	Solid	–	2.5×10 ⁴	1954	1985	Backfilled and stabilized in 1980; landfill closure planned
UPR-200-W-84	UPR-200-W-84	Contaminated soil	Liquid	Unknown	–	1980	1980	Landfill closure planned
UPR-200-W-134	UPR-200-W-134	Contaminated soil	Solid	–	Unknown	1975	1975	Landfill closure planned
UPR-200-W-53	UPR-200-W-53	Contaminated soil	Liquid	Unknown	–	1959	1959	Backfilled and stabilized
UPR-200-W-72	UPR-200-W-72	Contaminated soil	Solid	–	Unknown	1975	1975	Stabilized in 1975; landfill closure planned
UPR-200-W-16	UPR-200-W-16	Contaminated soil	Solid	–	Unknown	1952	1952	Landfill closure planned
216-T-4A	216-T-4A Pond	Pond	Liquid	4.28×10 ¹⁰	–	1944	1995	Interim-stabilized in 1995; landfill closure planned
216-T-4B	216-T-4B Pond	Pond	Liquid	Included in 216-T-4A	–	1972	1995	Landfill closure planned
216-T-36	216-T-36 Crib	Crib	Liquid	5.09×10 ⁵	–	1967	1969	Surface stabilized in 2000; removal, treatment, and disposal planned
216-T-4-2	216-T-4-2 Ditch	Ditch	Liquid	Unknown	–	1972	1995	Backfilled and stabilized in 1995; removal, treatment, and disposal planned
UPR-200-W-97	UPR-200-W-97 Unplanned Release	Contaminated soil	Liquid	2.00×10 ³	–	1966	1966	Partial soil removal in 1966; surface stabilized in 1978; landfill closure planned
UPR-200-W-29	UPR-200-W-29 Unplanned Release	Contaminated soil	Liquid	3.79×10 ³	–	1954	1954	Backfilled and covered with gravel; landfill closure planned
216-T-13	216-T-13 Trench	Trench	Liquid	9.84×10 ⁴	–	1954	1964	Soil excavated and removed in 1972; landfill closure planned
216-T-27	216-T-27 Crib	Crib	Liquid	7.19×10 ⁶	–	1965	1965	Surface stabilized in 1990; landfill closure planned
216-TY-201	216-TY-201 Settling Tank	Tank	Liquid	2.40×10 ⁴	–	1953	1966	Isolated in 1981; surface stabilized in 1990; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-19. Cumulative Impacts Sites for Map 9B

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-T-12	216-T-12 Trench	Trench	Liquid	5.01×10 ⁶	–	1954	1954	Site backfilled and surface stabilized; landfill closure planned
218-W-1A	218-W-1A Burial Ground	Burial ground	Solid	–	1.4×10 ⁴	1944	1960	Site backfilled and surface stabilized in 1983; landfill closure planned
UPR-200-W-26	UPR-200-W-26	Contaminated soil	Solid	–	Unknown	1953	1953	Landfill closure planned
216-T-29	216-T-29 Crib	Crib	Liquid	7.40×10 ⁴	–	1949	1964	Deactivated; landfill closure planned
216-T-33	216-T-33 Crib	Crib	Liquid	1.90×10 ⁶	–	1963	1963	Surface stabilized in 1991; landfill closure planned
216-T-34	216-T-34 Crib	Crib	Liquid	1.73×10 ⁷	–	1966	1967	Interim-stabilized in 1990; landfill closure planned
216-T-35	216-T-35 Crib	Crib	Liquid	5.73×10 ⁶	–	1967	1968	Surface stabilized in 1990; landfill closure planned
216-T-1	216-T-1 Ditch (221-T Ditch)	Ditch	Liquid	2.75×10 ⁸	–	1945 1964	1956 1995	Backfilled and stabilized in 1995; landfill closure planned
216-T-2	216-T-2 Reverse Well	French drain	Liquid	6.01×10 ⁶	–	1945	1950	Surface stabilized
216-T-3	216-T-3 Reverse Well	French drain	Liquid	1.13×10 ⁷	–	1945	1946	Surface stabilized in 1993
216-T-6	216-T-6 Cribs	Crib	Liquid	4.50×10 ⁷	–	1946	1947	Surface stabilized in 1993; landfill closure planned
216-T-8	216-T-8 Crib	Crib	Liquid	5.00×10 ⁵	–	1950	1951	Stabilized in 1981; landfill closure planned
200-W-45	200-W-45 Sand Filter	Sand filter	Solid	–	Unknown	1949	1979	Inactive
200-W-20	2706-T Equipment Decontamination Building	Building	Solid	–	Unknown	1944	Unknown	Landfill closure planned
200-W-20	T Plant Complex (including 221-T Canyon)	Building	Solid	–	Unknown	1944	Unknown	Landfill closure planned
224-T	224-T Canyon	Building	Liquid/ solid	Unknown	–	1944	1956	Landfill closure planned
200-W-9	200-W-9 Unplanned Release	Contaminated soil	Liquid	1.36×10 ⁵	–	1994	1994	Landfill closure planned
UPR-200-W-2	UPR-200-W-2 Unplanned Release	Contaminated soil	Liquid	1.23×10 ⁴	–	1947	1947	Landfill closure planned
UPR-200-W-21	UPR-200-W-21	Contaminated soil	Liquid	1.11×10 ⁴	–	1953	1953	Covered with blacktop; entire area covered with shotcrete in 1991; landfill closure planned
UPR-200-W-38	UPR-200-W-38 Unplanned Release	Contaminated soil	Liquid	7.70×10 ³	–	1955	1955	Backfilled with soil in 1955; surface stabilized in 1991; landfill closure planned
UPR-200-W-98	UPR-200-W-98 Unplanned Release	Contaminated soil	Liquid	3.30×10 ²	–	1945	1945	Covered with 1.2 meters of soil in 1945; currently located under blacktop road; landfill closure planned

Table S-19. Cumulative Impacts Sites for Map 9B (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
UPR-200-W-102	UPR-200-W-102 Unplanned Release	Contaminated soil	Liquid	2.88×10 ⁴	–	1972	1972	Landfill closure planned
TRUSAF	TRUSAF (in 224-T Canyon)	Building	Liquid/solid	Unknown	Unknown	1944	Standby	Landfill closure planned
241-T-361	241-T-361 Settling Tank	Tank	Liquid/solid	1.06×10 ⁵	–	1944	1951	Liquids pumped out and isolated in 1985; surface stabilized in 1993; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417; meters to feet, by 3.281.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-20. Cumulative Impacts Sites for Map 9C

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-Z-16	216-Z-16 Crib	Crib	Liquid	1.02×10 ⁸	–	1968	1977	Landfill closure planned
231-Z	231-Z Plutonium Isolation Facility	Building	Solid		Unknown	1945	1975	Partially cleaned out and decontaminated after 1975; landfill closure planned
216-Z-4	216-Z-4 Trench	Trench	Liquid	1.10×10 ⁴	–	1945	1945	Deactivated and backfilled in 1945; interim-stabilized in 1990; landfill closure planned
216-Z-5	216-Z-5 Crib	Crib	Liquid	3.10×10 ⁷	–	1945	1947	Deactivated in 1947; surface stabilized in 1990; landfill closure planned
216-Z-6	216-Z-6 Crib	Crib	Liquid	9.80×10 ⁴	–	1945	1945	Surface stabilized in 1990; landfill closure planned
216-Z-7	216-Z-7 Crib	Crib	Liquid	7.99×10 ⁷	–	1947 1965	1957 1966	Backfilled in 1967; interim-stabilized in 1990; landfill closure planned
216-Z-8	216-Z-8 Trench	French drain	Liquid	1.04×10 ⁴	–	1957	1961	Landfill closure planned
216-Z-9	216-Z-9 Trench	Trench	Liquid	4.09×10 ⁶	–	1955	1962	Gravel biobarrier placed in 1999; landfill closure planned
216-Z-10	216-Z-10 Reverse Well	Reverse well	Liquid	1.00×10 ⁶	–	1945	1945	Interim-stabilized in 1990; landfill closure planned
UPR-200-W-130	UPR-200-W-130	Contaminated soil	Liquid	3.30×10 ²	–	1967	1967	Covered with clean soil; landfill closure planned
216-Z-17	216-Z-17 Trench	Trench	Liquid	3.68×10 ⁷	–	1967	1968	Backfilled in 1975; surface stabilized in 1990; landfill closure planned
216-Z-15	216-Z-15 French Drain	French drain	Liquid	4.81×10 ⁷	–	1949	1997	Landfill closure planned
234-5Z	234-5Z Plutonium Finishing Plant	Building	Solid	–	Unknown	1949	1988	Landfill closure planned
2736-Z	2736-Z Plutonium Finishing Plant	Building	Liquid/solid	Unknown	Unknown	1971	Active	Landfill closure planned
242-Z	242-Z Americium Recovery Facility	Building	Solid	–	Unknown	1964	1976	Landfill closure planned

Table S-20. Cumulative Impacts Sites for Map 9C (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-Z-1D	216-Z-1(D) Ditch	Ditch	Liquid	1.00×10 ⁶	–	1944	1959	Backfilled in 1959; landfill closure planned
236-Z	236-Z Plutonium Reclamation Facility	Building	Solid	–	Unknown	1964	1991	Landfill closure planned
216-Z-14	216-Z-14 French Drain	French drain	Liquid	5.18×10 ⁷	–	1949	2001	Landfill closure planned
291-Z	291-Z Exhaust Fan and Compressor House	Building	Solid	–	Unknown	1949	Active	Landfill closure planned
UPR-200-W-103	UPR-200-W-103	Contaminated soil	Liquid	2.97×10 ²	–	1971	1971	Part of soil removed; landfill closure planned
241-Z	241-Z Treatment Tank	Tank	Liquid	Unknown	–	1948	Active	Landfill closure planned
241-Z-361	241-Z-361 Settling Tank	Tank	Liquid	7.50×10 ²	7.60×10 ¹	1949	1976	Landfill closure planned
216-Z-13	216-Z-13 French Drain	French drain	Liquid	4.98×10 ⁷	–	1949	1999	Active
216-Z-1&2	216-Z-1 & 2 Cribs	Crib	Liquid	3.37×10 ⁷	–	1949 1966	1952 1969	Landfill closure planned
216-Z-3	216-Z-3 Crib	Crib	Liquid	1.78×10 ⁸	–	1952	1959	Landfill closure planned
216-Z-12	216-Z-12 Crib	Crib	Liquid	2.72×10 ⁸	–	1959	1973	Landfill closure planned
216-Z-1A	216-Z-1A Tile Field	Tile field	Liquid	6.21×10 ⁶	–	1949 1964	1959 1969	Deactivated in 1969; landfill closure planned
216-Z-18	216-Z-18 Crib	Crib	Liquid	3.86×10 ⁶	–	1969	1973	Landfill closure planned
216-Z-20	216-Z-20 Crib	Crib	Liquid	4.19×10 ⁹	–	1981	1995	Backfilled and isolated; landfill closure planned
216-Z-21	216-Z-21 Seepage Basin	Pond	Liquid	1.57×10 ⁹	–	1980	1995	Landfill closure planned
216-Z-11	216-Z-11 Ditch	Ditch	Liquid	Unknown	–	1959	1971	Backfilled in 1981; landfill closure planned
216-U-13	216-U-13 Trench	Trench	Liquid	1.14×10 ⁴	–	1952	1956	Contaminated soil removed in 1956; landfill closure planned
216-U-14	216-U-14 Ditch	Ditch	Liquid	4.88×10 ⁹	–	1944	1994	Stabilized in 1995
207-U	207-U Retention Basin	Basin	Liquid	1.30×10 ⁴	–	1952	Unknown	Converted into active stormwater basin; stabilization planned
UPR-200-W-135	UPR-200-W-135 Unplanned Release	Contaminated soil	Liquid	3.79×10 ³	–	1954	1954	Stabilized with soil in 1990; landfill closure planned
UPR-200-W-28	UPR-200-W-28	Contaminated soil	Liquid	2.31×10 ³	–	1954	1954	Covered with clean soil; landfill closure planned
UPR-200-W-131	UPR-200-W-131	Contaminated soil	Liquid	1.51×10 ¹	–	1953	1953	Covered with clean gravel in 2002; landfill closure planned

Table S–20. Cumulative Impacts Sites for Map 9C (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
200-W PP	200-W PP Powerhouse Pond	Pond	Liquid	3.41×10 ⁹	–	1984	1995	Stabilized in 1995
216-T-20	216-T-20 Trench	Trench	Liquid	1.89×10 ⁴	–	1952	1952	Deactivated and backfilled; landfill closure planned
232-Z	232-Z Waste Incinerator	Building	Solid	–	Unknown	1959	1976	Isolated and stabilized; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–21. Cumulative Impacts Sites for Map 9D

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-U-10	216-U-10 Pond	Pond	Liquid	1.60×10 ¹¹	–	1944	1994	Backfilled and stabilized; landfill closure planned
216-U-3	216-U-3 French Drain	Crib	Liquid	7.91×10 ⁵	–	1954	1955	Landfill closure planned
UPR-200-W-104	UPR-200-W-104	Contaminated soil	Liquid	Unknown	–	Unknown	Unknown	Stabilized in 1985; landfill closure planned
UPR-200-W-105	UPR-200-W-105	Contaminated soil	Liquid	Unknown	–	Unknown	Unknown	Stabilized in 1985; landfill closure planned
UPR-200-W-106	UPR-200-W-106	Contaminated soil	Liquid	Unknown	–	Unknown	Unknown	Stabilized in 1985; landfill closure planned
216-S-4	216-S-4 French Drain	French drain	Liquid	9.99×10 ⁵	–	1953	1956	Stabilized; landfill closure planned
216-S-3	216-S-3 Crib	Crib	Liquid	4.20×10 ⁶	–	1953	1956	Landfill closure planned
216-S-21	216-S-21 Crib	Crib	Liquid	8.71×10 ⁷	–	1954	1969	Interim-stabilized in 1990; landfill closure planned
UPR-200-W-107	UPR-200-W-107	Contaminated soil	Liquid	Unknown	–	1952	1957	Stabilized in 1985; landfill closure planned
216-S-25	216-S-25 Crib	Crib	Liquid	2.88×10 ⁸	–	1973 1985	1980 1985	Landfill closure planned
216-S-1&2	216-S-1 and 216-S-2 Cribs	Cribs	Liquid	1.60×10 ⁸	–	1952	1956	Surface stabilized in 1994; landfill closure planned
216-S-8	216-S-8 Trench	Trench	Liquid	1.00×10 ⁷	–	1951	1952	Backfilled and surface stabilized in 1994; landfill closure planned
UPR-200-W-95	UPR-200-W-95	Contaminated soil	Liquid	3.97×10 ¹	–	1951	1954	Lined basin covered with clean soil in 1984

Note: To convert liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-22. Cumulative Impacts Sites for Map 9E

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-U-5	216-U-5 Trench	Trench	Liquid	2.25×10 ⁶	–	1952	1952	Backfilled in 1952; surface stabilized in 1994; removal, treatment, and disposal planned
216-U-6	216-U-6 Trench	Trench	Liquid	2.25×10 ⁶	–	1952	1952	Backfilled in 1952; surface stabilized in 1994; removal, treatment, and disposal planned
221-U	221-U Process Canyon	Building	Liquid/ solid	Unknown	Unknown	1945	1961	Landfill closure planned
241-WR-Vault	241-WR Vault	Building	Liquid	Unknown	–	1952	1976	Covered with plastic; landfill closure planned
216-U-15	216-U-15 Trench	Trench	Liquid	6.81×10 ⁴	–	1957	1957	Backfilled in 1957; removal, treatment, and disposal planned
UPR-200-W-138	UPR-200-W-138	Contaminated soil	Liquid	1.49×10 ⁴	–	1953	1953	Covered with clean soil 1998; landfill closure planned
200-W-44	200-W-44 Sand Filter	Sand filter	Solid	–	Unknown	1948	Active	Active
216-U-7	216-U-7 French Drain	French drain	Liquid	7.00×10 ³	–	1952	1957	Surface stabilized in 1998; landfill closure planned
UPR-200-W-101	UPR-200-W-101 Unplanned Release	Contaminated soil	Liquid	4.50×10 ³	–	1957	1957	Covered with clean backfill in 1998; landfill closure planned
216-U-4	216-U-4 Reverse Well	Reverse well	Liquid	3.00×10 ⁵	–	1947	1955	Landfill closure planned
216-U-4A	216-U-4A French Drain	French drain	Liquid	5.45×10 ⁵	–	1955 1965	1961 1970	Landfill closure planned
216-U-1&2	216-U-1 and 2 Cribs	Crib	Liquid	1.59×10 ⁷	–	1951 1958 1966	1956 1960 1967	Landfill closure planned
241-U-361	241-U-361 Settling Tank	Tank	Liquid	1.04×10 ⁵	–	1951	1967	Interim-stabilized in 1985; surface stabilized in 1992; landfill closure planned
UPR-200-W-39	UPR-200-W-39 Unplanned Release	Contaminated soil	Liquid	3.85×10 ²	–	1954	1954	Covered with clean soil and building; landfill closure planned
200-W-42	200-W-42 Process Sewer	Process sewer	Liquid	1.11×10 ⁴	–	1952	1988	Portions stabilized with gravel in 1995 and 2001; removal, treatment, and disposal planned
UPR-200-W-163	UPR-200-W-163 Unplanned Release	Contaminated vegetation	Liquid	3.35×10 ⁴	–	1952	1988	Partially stabilized
216-U-16	216-U-16 Crib	Crib	Liquid	4.09×10 ⁸	–	1984	1985	Backfilled in 2000
216-S-9	216-S-9 Crib	Crib	Liquid	4.96×10 ⁷	–	1965	1969	Surface stabilized in 1995; landfill closure planned
216-S-23	216-S-23 Crib	Crib	Liquid	3.41×10 ⁷	–	1969	1972	Interim-stabilized in 1985; landfill closure planned
216-U-8	216-U-8 Crib	Crib	Liquid	3.75×10 ⁸	–	1952	1960	Interim-stabilized in 1995; landfill closure planned
216-U-12	216-U-12 Crib	Crib	Liquid	1.49×10 ⁸	–	1960 1981	1972 1988	Landfill closure planned

Note: To convert liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-23. Cumulative Impacts Sites for Map 9F

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-S-19	216-S-19 Pond	Pond	Liquid	1.30×10 ⁹	–	1952	1984	Stabilized in 1984; removal, treatment, and disposal planned
216-S-14	216-S-14 Trench	Trench	Liquid	7.60×10 ⁴	–	1952	1952	Backfilled; removal, treatment, and disposal planned
216-S-7	216-S-7 Crib	Crib	Liquid	3.90×10 ⁸	–	1956	1965	Surface stabilized in 1992; landfill closure planned
UPR-200-W-32	UPR-200-W-32	Contaminated soil	Liquid	3.30×10 ²	–	1954	1954	Contaminated soil covered with clean soil in 1954; removal, treatment, and disposal planned
216-S-13	216-S-13 Crib	Crib	Liquid	5.00×10 ⁶	–	1951	1966	Interim-stabilized in 1991; landfill closure planned
216-S-12	216-S-12 Trench	Trench	Liquid	7.48×10 ⁴	–	1954	1954	Landfill closure planned
200-W-22	200-W-22 Unplanned Release	Contaminated soil	Liquid	3.20×10 ¹	–	1952	1983	Aboveground contamination removed; removal, treatment, and disposal planned
233-S	233-S Plutonium Concentration Facility	Building	Solid	Unknown	–	1952	1967	Demolished in 2004; concrete cap placed over foundation
200-W-69	200-W-69 Lab Complex (includes 222-S Lab, 222-S DMWSA, 219-S, 222-SA, 296-S-21, 296-S-16, 296-S-23, 296-S-13)	Chemicals	Liquid/solid	Unknown	–	1951	Active	Landfill closure planned
UPR-200-W-61	UPR-200-W-61	Contaminated soil	Liquid	9.24×10 ²	–	1966	1966	Landfill closure planned
202-S	202-S (REDOX)	Building	Solid	Unknown	–	1952	1967	Landfill closure planned
291-S	291-S Sand Filter	Sand filter/equipment	Solid	Unknown	–	1952	Active	Active
216-S-20	216-S-20 Crib	Crib	Liquid	1.35×10 ⁸	–	1952 1972	1969 1973	Deactivated in 1974; sinkholes backfilled; removal, treatment, and disposal planned
216-S-22	216-S-22 Crib	Crib	Liquid	9.83×10 ⁴	–	1957	1959	Landfill closure planned
216-S-26	216-S-26 Crib	Crib	Liquid	2.19×10 ⁸	–	1984	1995	Isolated; manhole filled with concrete; removal, treatment, and disposal planned
218-W-7	218-W-7 Burial Ground (222-S Vault)	Burial ground	Solid	–	1.59×10 ²	1952	1960	Landfill closure planned

Note: To convert liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; REDOX=Reduction-Oxidation (Facility); WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-24. Cumulative Impacts Sites for Map 10

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
600-148	Environmental Restoration Disposal Facility	Disposal facility	Solid	–	2.14×10 ⁷	1996	2031	Disposal operations to be completed in 2031; barrier construction to be completed in 2033
N/A	US Ecology	Disposal facility	Solid	–	7.08×10 ⁵	1965	2056	Operations assumed to end in 2056; barrier placed in stages
216-W-LWC	216-W-LWC Crib	Crib	Liquid	9.99×10 ⁸	–	1981	1993	Isolated in 1994; landfill closure planned
216-U-17	216-U-17 Crib	Crib	Liquid	5.93×10 ⁶	–	1988 1992	1989 1994	Stabilized

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels, to convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: ID=identifier; L=liters; m³=cubic meters; N/A=not applicable; US Ecology=US Ecology Commercial Low-Level Radioactive Waste Disposal Site; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-25. Cumulative Impacts Sites for Map 11

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
218-E-10	218-E-10 Trench	Burial ground	Solid	–	2.18×10 ⁴	1960	Unknown	Active; partially stabilized in 1980; landfill closure planned
UPR-200-E-23	UPR-200-E-23	Contaminated soil	Solid	Unknown	–	Unknown	Unknown	Addressed in 218-E-10
UPR-200-E-24	UPR-200-E-24	Contaminated soil	Solid	Unknown	–	Unknown	Unknown	Addressed in 218-E-10
216-B-50	216-B-50 Crib	Crib	Liquid	5.47×10 ⁷	–	1965	1974	Interim-stabilized in 1991; landfill closure planned
216-B-57	216-B-57 Crib	Crib	Liquid	8.43×10 ⁷	–	1968	1973	Surface stabilized in 1991; covered with Hanford prototype barrier in 1994; landfill closure planned
UPR-200-E-9	UPR-200-E-9	Contaminated soil	Liquid	4.16×10 ⁴	–	1955	1955	Most contaminated soil removed; remainder stabilized in 1955; landfill closure planned
216-B-11A & B	216-B-11A and B	Reverse well	Liquid	2.96×10 ⁷	–	1952	1954	Backfilled in 1992; landfill closure planned
216-B-51	216-B-51 French Drain	French drain	Liquid	1.00×10 ³	–	1956	1958	Stabilized in 1992
218-E-5	218-E-5 Burial Ground	Burial ground	Solid	–	3.17×10 ³	1954	1956	Surface stabilized in 1980; landfill closure planned
218-E-5A	218-E-5A Burial Ground	Burial ground	Solid	–	6.17×10 ³	1956	1959	Surface stabilized in 1980; landfill closure planned
218-E-2	218-E-2 Burial Ground	Burial ground	Solid	–	9.03×10 ³	1945	1953	Backfilled and stabilized in 1979; landfill closure planned
UPR-200-E-79	UPR-200-E-79 Unplanned Release	Contaminated soil	Liquid	3.85×10 ³	–	1953	1953	Contaminated soil covered with soil

Table S-25. Cumulative Impacts Sites for Map 11 (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
UPR-200-E-78	UPR-200-E-78 Unplanned Release	Contaminated soil	Liquid	1.54×10 ²	–	1955	1955	Covered with clean soil; landfill closure planned
218-E-4	218-E-4 Burial Ground	Burial ground	Solid	–	1.59×10 ³	1955	1956	Surface stabilized in 1980; landfill closure planned
216-B-5	216-B-5 Reverse Well	Reverse well	Liquid	3.21×10 ⁷	–	1945	1947	Interim-stabilized in 1994
216-B-9	216-B-9 Crib	Crib	Liquid	3.60×10 ⁷	–	1948	1951	Inactive; surface stabilized; landfill closure planned
216-B-59	216-B-59 Trench	Trench	Liquid	4.77×10 ⁵	–	1968	1968	Inactive; removal, treatment, and disposal planned
241-B-361	241-B-361 Settling Tank	Tank	Liquid	–	8.30×10 ¹	1945	1947	Interim-stabilized in 1985; landfill closure planned
UPR-200-E-7	UPR-200-E-7 Unplanned Release	Contaminated soil	Liquid	1.89×10 ⁴	–	1954	1954	Stabilized; removal, treatment, and disposal planned
221-B	221-B B Plant/Canyon	Building	Solid	–	Unknown	1945	1984	Deactivated in 1998; landfill closure planned
200-E-28	200-E-28 UPR	Steam condensate	Liquid	5.86×10 ⁵	–	1990	1990	Closed out as part of completion of 221-B
200-E-97	200-E-97 French Drain	French drain	Liquid	2.32×10 ⁵	–	1945	1997	Inactive
200-E-98	200-E-98 French Drain	French drain	Liquid	1.92×10 ⁵	–	1945	1997	Inactive
WESF	WESF (Building 225-B)	Waste storage	Solid	Unknown	–	1974	Active	Cesium and strontium capsules to be removed; landfill closure planned
216-B-62	216-B-62 Crib	Crib	Liquid	2.80×10 ⁸	–	1973	1986	Inactive; isolated; landfill closure planned
216-B-12	216-B-12 Crib	Crib	Liquid	5.20×10 ⁸	–	1952 1967	1957 1973	Inactive; stabilized in 1993; landfill closure planned
216-B-55	216-B-55 Crib	Crib	Liquid	1.20×10 ⁹	–	1967 1988	1986 1990	Inactive; isolated; landfill closure planned
212-B	212-B Cask Loading Station	Building	Solid	–	Unknown	Unknown	Unknown	Deactivated; landfill closure planned
216-B-60	216-B-60 Crib	Crib	Liquid	1.89×10 ⁴	–	1968	1968	Inactive; landfill closure planned
UPR-200-E-84	UPR-200-E-84 Unplanned Release	Contaminated soil	Liquid	6.43×10 ³	–	1953	1953	Landfill closure planned
224-B	224-B Plutonium Concentration Facility	Equipment	Solid	–	Unknown	1945	1976	Landfill closure planned
UPR-200-E-87	UPR-200-E-87 Unplanned Release	Contaminated soil	Liquid	2.88×10 ⁴	–	1949	1949	Landfill closure planned
UPR-200-E-1	UPR-200-E-1 Unplanned Release	Contaminated soil	Liquid	2.04×10 ⁴	–	1946	1946	Area covered; landfill closure planned
UPR-200-E-3	UPR-200-E-3 Unplanned Release	Contaminated soil	Liquid	3.30×10 ²	–	1951	1951	Cleanup of highly radioactive areas prohibited; landfill closure planned

Table S-25. Cumulative Impacts Sites for Map 11 (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
UPR-200-E-85	UPR-200-E-85 Unplanned Release	Contaminated soil	Liquid	2.48×10 ³	–	1972	1972	Stabilized in 1984; landfill closure planned
216-B-4	216-B-4 Reverse Well	Reverse well	Liquid	1.00×10 ⁴	–	1945	1949	Inactive; landfill closure planned
216-B-6	216-B-6 Reverse Well	Reverse well	Liquid	6.00×10 ⁶	–	1945	1949	Inactive; landfill closure planned
200-E-30	200-E-30 Sand Filter (291-B Sand Filter)	Soil	Solid	Unknown	–	1948	1997	Inactive; deactivated
200-E-55	200-E-55 French Drain	French drain	Liquid	2.31×10 ⁵	–	1945	1997	Landfill closure planned
200-E-95	200-E-95 French Drain	French drain	Liquid	2.19×10 ⁵	–	1945	1994	Inactive
216-B-10A	216-B-10A Crib	Crib	Liquid	9.98×10 ⁶	–	1949	1952	Stabilized in 1983; removal, treatment, and disposal planned
216-B-10B	216-B-10B Crib	Crib	Liquid	2.80×10 ⁴	–	1969	1973	Stabilized in 1983; removal, treatment, and disposal planned
UPR-200-E-77	UPR-200-E-77 Unplanned Release	Contaminated soil	Liquid	3.47×10 ¹	–	1946	1946	Stabilized in 1946; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: Dash (–)–not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-26. Cumulative Impacts Sites for Map 12

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
218-E-12B	218-E-12B Burial Ground	Burial ground	Solid	–	7.3×10 ⁴	1967	Unknown	Seventeen trenches stabilized in 1981; landfill closure planned
218-E-12A	218-E-12A Burial Ground	Burial ground	Solid	–	1.5×10 ⁴	1953	1967	Surface stabilized in 1980 and 1994; landfill closure planned
216-B-63	216-B-63 Ditch	Ditch	Liquid	7.98×10 ⁹	–	1970	1992	Inactive; backfilled and stabilized; removal, treatment, and disposal planned
216-B-2-2	216-B-2-2 Ditch	Ditch	Liquid	1.49×10 ¹¹	–	1963	1970	Inactive; backfilled in 1970; surface stabilized in 1987; removal, treatment, and disposal planned
216-B-2-1	216-B-2-1 Ditch	Ditch	Liquid	1.49×10 ¹¹	–	1945	1963	Backfilled and stabilized; removal, treatment, and disposal planned
UPR-200-E-138	UPR-200-E-138 Unplanned Release	Contaminated soil	Liquid	Unknown	–	1970	1970	Surface stabilized in 1987
218-E-8	218-E-8 Burial Ground	Burial ground	Solid	–	2.3×10 ³	1958	1959	Surface stabilized in 1980; landfill closure planned
218-E-1	218-E-1 Burial Ground	Burial ground	Solid	–	3.0×10 ³	1945	1953	Surface stabilized in 1981; landfill closure planned
216-B-3	216-B-3 Pond	Pond	Liquid	2.83×10 ¹¹	–	1945	1997	Pond backfilled and surface stabilized in 1994
216-B-3A Pond / 216-B-3A RAD	216-B-3A Pond / 216-B-3A RAD	Pond	Liquid	Unknown	–	1983	1984	Closed as an RCRA TSD site in 1995; interim-stabilized with B Pond
216-B-3B Pond / 216-B-3B-RAD	216-B-3B Pond / 216-B-3B-RAD	Pond	Liquid	Unknown	–	1984	1985	Closed as an RCRA TSD site in 1995; interim-stabilized with B Pond
216-B-3C Pond / 216-B-3C RAD	216-B-3C Pond / 216-B-3C RAD	Pond	Liquid	Unknown	–	1985	1997	Backfilled in 1997; clean-closed under RCRA in 1995
UPR-200-E-14	Unplanned Release UPR-200-E-14	Contaminated soil	Liquid	Unknown	–	1958	1958	Released from radiation zone status in 1970; covered by 216-B-3A Pond Lobe in 1983; contaminated zone covered with clean soil
UPR-200-E-34	Unplanned Release UPR-200-E-34	Pond	Liquid	Unknown	–	1964	1964	Surface stabilized
N/A	Greater-Than-Class C Proposed Disposal Facility	Disposal facility	Solid	–	1.17×10 ⁴	2019	2038	Possible facility; assumed borehole disposal; engineered barrier covered with backfill, concrete, and lockable steel lid

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels. To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: ID=identifier; L=liters; m³=cubic meters; N/A=not applicable; RCRA=Resource Conservation and Recovery Act; TSD=treatment, storage, and disposal; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-27. Cumulative Impacts Sites for Map 12A

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-C-9	216-C-9 Swamp	Pond	Liquid	1.04×10 ⁹	–	1953	1985	Backfilled and interim-stabilized in 1989
218-C-9	218-C-9 Burial Ground	Burial ground	Solid	–	2.27×10 ³	1985	1989	Backfilled and stabilized in 1989; landfill closure planned
UPR-200-E-141	UPR-200-E-141	Contaminated soil	Liquid	2.08×10 ²	–	1984	1984	Contamination cleaned up
200-E-56	200-E-56 Unplanned Release	Contaminated soil	Liquid	7.55×10 ⁴	–	1957	1957	Landfill closure planned
201-C	201-C Process Building	Buildings	Liquid/ solid	Unknown	Unknown	1949	1967	Core entombed in 1986; area covered with 3 meters of ash in 1992; landfill closure planned
216-C-1	216-C-1 Hot Semi Work Crib	Crib	Liquid	2.34×10 ⁷	–	1952	1957	Stabilized in 1979; entombed in concrete in 1986; landfill closure planned
216-C-3	216-C-3 Hot Semi Work Crib	Crib	Liquid	5.00×10 ⁶	–	1953	1954	Stabilized in 1979; landfill closure planned
216-C-4	216-C-4 Hot Semi Work Crib	Crib	Liquid	1.70×10 ⁵	–	1955 1962	1957 1964	Stabilized and backfilled in 2000; landfill closure planned
216-C-5	216-C-5 Hot Semi Work Crib	Crib	Liquid	3.89×10 ⁴	–	1955	1955	Stabilized in 1979; landfill closure planned
216-C-6	216-C-6 Hot Semi Work Crib	Crib	Liquid	5.31×10 ⁵	–	1955 1962	1957 1964	Deactivated in 1964; landfill closure planned
216-C-10	216-C-10 Hot Semi Work Crib	Crib	Liquid	8.97×10 ⁵	–	1964	1967	Surface stabilized in 1989; landfill closure planned
216-C-2	216-C-2 Semi Works Reverse Well	Reverse well	Liquid	3.15×10 ⁶	–	1953	1988	Sealed with concrete in 1988; landfill closure planned
200-E-57	200-E-57 Unplanned Release	Contaminated soil	Liquid	1.13×10 ⁵	–	1957	1957	Some soil removed; removal, treatment, and disposal planned
241-CX-72	241-CX-72 Storage Tank and Vault	Equipment	Liquid/ solid	Unknown	1.26×10 ²	1957	1976	Filled with grout in 1986; landfill closure planned
291-C-1	291-C-1 Burial Ground	Burial ground	Solid	–	Unknown	1949	1987	Surface stabilized; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417; meters to feet, by 3.281.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-28. Cumulative Impacts Sites for Map 12B

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
UPR-200-E-86	UPR-200-E-86	Contaminated soil	Liquid	7.00×10 ⁴	–	1971	1971	Surface covered with shotcrete in 1995; landfill closure planned
216-A-40	216-A-40 Trench	Trench	Liquid	9.46×10 ⁵	–	1968	1979	Backfilled with soil in 1994; removal, treatment, and disposal planned
216-A-41	216-A-41 Crib	Crib	Liquid	1.00×10 ⁴	–	1968	1974	Removal, treatment, and disposal planned
216-A-9	216-A-9 Crib	Crib	Liquid	9.81×10 ⁸	–	1956 1966	1958 1967	Surface stabilized; removal, treatment, and disposal planned
216-A-3	216-A-3 Crib	Crib	Liquid	3.05×10 ⁶	–	1956 1976	1966 1981	Backfilled with gravel; removal, treatment, and disposal planned
216-A-39	216-A-39 Crib	Trench	Liquid	2.00×10 ¹	–	1966	1966	Landfill closure planned
216-A-18	216-A-18 Trench	Trench	Liquid	4.88×10 ⁵	–	1955	1955	Surface stabilized in 1990; landfill closure planned
216-A-1	216-A-1 Crib	Crib	Liquid	9.84×10 ⁴	–	1955	1955	Backfilled in 1992; landfill closure planned
216-A-7	216-A-7 Crib	Crib	Liquid	3.27×10 ⁵	–	1955 1966	1956 1966	Backfilled in 1992; landfill closure planned
UPR-200-E-145	UPR-200-E-145	Contaminated soil	Liquid	6.25×10 ³	–	1993	1993	Covered with clean soil in 2003
216-A-16	216-A-16 French Drain	French drain	Liquid	1.22×10 ⁵	–	1956	1969	Landfill closure planned
216-A-17	216-A-17 French Drain	French drain	Liquid	6.00×10 ⁴	–	1956	1969	Landfill closure planned
242-A	242-A Evaporator	Equipment	Liquid	Unknown	–	1977	Active	Landfill closure planned
216-A-22	216-A-22 Crib (French Drain)	Crib	Liquid	9.99×10 ³	–	1956	1959	Surface stabilized; removal, treatment, and disposal planned
216-A-28	216-A-28 French Drain	French drain	Liquid	3.00×10 ⁴	–	1960	1960	Excavated in 1981; removal, treatment, and disposal planned
216-A-32	216-A-32 Crib	Crib	Liquid	4.00×10 ³	–	1959	1972	Surface stabilized in 2001
200-E-78	200-E-78 Reverse Well	Reverse well	Liquid	1.84×10 ⁵	–	1955	1996	Inactive

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–29. Cumulative Impacts Sites for Map 12C

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
UPR-200-E-51	UPR-200-E-51	Chemicals	Liquid	Unknown	–	1977	1977	Backfilled
216-A-24	216-A-24 Crib	Crib	Liquid	8.21×10 ⁸	–	1958 1971 1978	1967 1976 1978	Surface stabilized in 1988; landfill closure planned
216-A-6	216-A-6 Crib	Crib	Liquid	3.36×10 ⁹	–	1955 1966	1961 1970	Surface stabilized with sand and plastic sheeting in 1972 and 1993; landfill closure planned
216-A-19	216-A-19 Trench	Trench	Liquid	1.10×10 ⁶	–	1955	1955	Surface stabilized in 1990; landfill closure planned
216-A-20	216-A-20 Trench	Trench	Liquid	9.61×10 ⁵	–	1955	1955	Surface stabilized in 1990; landfill closure planned
216-A-8	216-A-8 Crib	Crib	Liquid	1.15×10 ⁹	–	1955 1966 1978 1983	1958 1976 1978 1985	Surface stabilized in 1990; landfill closure planned
216-A-29	216-A-29 Ditch	Ditch	Liquid	Unknown	–	1955	1991	Surface stabilized in 1991
216-A-30	216-A-30 Crib	Crib	Liquid	7.64×10 ⁹	–	1961 1976	1973 1991	Backfilled with gravel in 2001; landfill closure planned
216-A-37-1	216-A-37-1 Crib	Crib	Liquid	3.68×10 ⁸	–	1977	1989	Landfill closure planned
216-A-37-2	216-A-37-2 Crib	Crib	Liquid	1.10×10 ⁹	–	1984 1988	1986 1991	Landfill closure planned

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–30. Cumulative Impacts Sites for Map 12D

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
216-A-13	216-A-13 French Drain	French drain	Liquid	1.00×10 ⁴	–	1956	1962	Landfill closure planned
200-E-61	200-E-61 Reverse Well	Reverse well	Liquid	1.80×10 ⁶	–	1955	2001	Landfill closure planned
200-E-136	200-E-136 PUREX Plant (202-A and others)	Building	Solid	–	Unknown	1956	1990	Landfill closure planned
UPR-200-E-39	UPR-200-E-39 (at 216-A-36B)	Contaminated soil	Liquid	1.52×10 ³	–	1968	1968	Inactive
UPR-200-E-40	UPR-200-E-40	Contaminated soil	Liquid	1.17×10 ²	–	1968	1968	Contaminated blacktop removed in 1968; covered with clean gravel in 1999; landfill closure planned
200-E-85	200-E-85 Reverse Well	Reverse well	Liquid	1.43×10 ⁶	–	1955	1997	Landfill closure planned
216-A-35	216-A-35 French Drain	French drain	Liquid	1.00×10 ⁴	–	1963	1966	Landfill closure planned

Table S-30. Cumulative Impacts Sites for Map 12D (continued)

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
200-E-54	200-E-54 Unplanned Release	Contaminated soil	Liquid	2.01×10 ⁵	–	1991	1991	Inactive
200-E-103	200-E-103 PUREX Stabilized Area	Contaminated soil	Liquid	4.00×10 ³	–	1960	1960	Interim-stabilized in 1999; landfill closure planned
UPR-200-E-117	UPR-200-E-117	Contaminated soil	Liquid	3.30×10 ²	–	1972	1972	Covered with clean backfill in 1999; landfill closure planned
216-A-2	216-A-2 Crib	Crib	Liquid	2.30×10 ⁵	–	1956	1960	Landfill closure planned
216-A-26	216-A-26 French Drain	French drain	Liquid	3.86×10 ³	–	1965	1991	Inactive
216-A-26A	216-A-26A French Drain	French drain	Liquid	1.00×10 ³	–	1959	1965	Landfill closure planned
216-A-15	216-A-15 French Drain	French drain	Liquid	1.00×10 ⁷	–	1955	1972	Landfill closure planned
200-E-107	200-E-107 Unplanned Release	Contaminated soil	Liquid	4.00×10 ³	–	2000	2000	Surface stabilized with clean soil in 2001; landfill closure planned
218-E-14	218-E-14 PUREX Tunnel 1	Equipment	Solid	–	5.67×10 ²	1960	1965	Landfill closure planned
218-E-15	218-E-15 PUREX Tunnel 2	Equipment	Solid	–	Unknown	1967	1996	Landfill closure planned
216-A-4	216-A-4 Crib	Crib	Liquid	6.21×10 ⁶	–	1955	1958	Surface stabilized in 1999; landfill closure planned
216-A-5	216-A-5 Crib	Crib	Liquid	1.63×10 ⁹	–	1955 1966	1961 1966	Surface stabilized in 1983; landfill closure planned
216-A-10	216-A-10 Crib	Crib	Liquid	3.16×10 ⁹	–	1956 1961 1977 1981	1956 1973 1978 1987	Deactivated in 1987; landfill closure planned
216-A-21	216-A-21 Crib	Crib	Liquid	7.79×10 ⁷	–	1957	1965	Surface stabilized in 1999; landfill closure planned
216-A-27	216-A-27 Crib	Crib	Liquid	2.32×10 ⁷	–	1965	1970	Backfilled; landfill closure planned
216-A-31	216-A-31 Crib	Crib	Liquid	3.05×10 ⁴	–	1964 1966	1964 1966	Landfill closure planned
216-A-36-A	216-A-36A Crib	Crib	Liquid	1.07×10 ⁶	–	1965	1966	Landfill closure planned
216-A-36-B	216-A-36B Crib	Crib	Liquid	3.15×10 ⁸	–	1966 1982	1972 1987	Landfill closure planned
216-A-45	216-A-45 Crib	Crib	Liquid	1.03×10 ⁸	–	1987	1989	Landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315; liters to gallons, by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; PUREX=Plutonium-Uranium Extraction; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-31. Cumulative Impacts Sites for Map 13

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
2101-M Pond	2101-M Pond	Pond	Liquid	1.11×10 ⁹	–	1953	1995	Inactive
216-B-54	216-B-54 Trench	Trench	Liquid	9.99×10 ⁵	–	1963	1965	Surface of backfilled trenches stabilized in 1982; removal, treatment, and disposal planned
216-B-14	216-B-14 Crib	Crib	Liquid	8.67×10 ⁶	–	1956	1956	Stabilized in 1981; landfill closure planned
216-B-15	216-B-15 Crib	Crib	Liquid	6.32×10 ⁶	–	1956	1957	Stabilized in 1981; landfill closure planned
216-B-16	216-B-16 Crib	Crib	Liquid	5.60×10 ⁶	–	1956	1956	Stabilized in 1981; landfill closure planned
216-B-17	216-B-17 Crib	Crib	Liquid	3.41×10 ⁶	–	1956	1956	Stabilized in 1981; landfill closure planned
216-B-18	216-B-18 Crib	Crib	Liquid	8.52×10 ⁶	–	1956	1956	Stabilized in 1981; landfill closure planned
216-B-19	216-B-19 Crib	Crib	Liquid	6.35×10 ⁶	–	1957	1957	Stabilized in 1981; landfill closure planned
216-B-20	216-B-20 Trench	Trench	Liquid	4.68×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-21	216-B-21 Trench	Trench	Liquid	4.67×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-22	216-B-22 Trench	Trench	Liquid	4.74×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-23	216-B-23 Trench	Trench	Liquid	4.52×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-24	216-B-24 Trench	Trench	Liquid	4.87×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-25	216-B-25 Trench	Trench	Liquid	4.91×10 ⁶	–	1956	1956	Stabilized in 1982; landfill closure planned
216-B-26	216-B-26 Trench	Trench	Liquid	4.75×10 ⁶	–	1956	1957	Stabilized in 1982; landfill closure planned
216-B-27	216-B-27 Trench	Trench	Liquid	4.42×10 ⁶	–	1957	1957	Stabilized in 1982; landfill closure planned
216-B-28	216-B-28 Trench	Trench	Liquid	5.05×10 ⁶	–	1957	1957	Stabilized in 1982; landfill closure planned
216-B-29	216-B-29 Trench	Trench	Liquid	4.83×10 ⁶	–	1957	1957	Stabilized in 1982; landfill closure planned
216-B-30	216-B-30 Trench	Trench	Liquid	4.78×10 ⁶	–	1957	1957	Stabilized in 1982; landfill closure planned
216-B-31	216-B-31 Trench	Trench	Liquid	4.85×10 ⁶	–	1957	1957	Stabilized in 1982; landfill closure planned
216-B-32	216-B-32 Trench	Trench	Liquid	4.75×10 ⁶	–	1956	1957	Stabilized in 1982; landfill closure planned
216-B-33	216-B-33 Trench	Trench	Liquid	4.75×10 ⁶	–	1956	1957	Stabilized in 1982; landfill closure planned
216-B-34	216-B-34 Trench	Trench	Liquid	4.88×10 ⁶	–	1956	1957	Stabilized in 1982; landfill closure planned
216-B-52	216-B-52 Trench	Trench	Liquid	8.53×10 ⁶	–	1957	1958	Stabilized in 1982; landfill closure planned
216-B-53A	216-B-53A Trench	Trench	Liquid	5.49×10 ⁵	–	1965	1965	Stabilized in 1982; removal, treatment, and disposal planned
216-B-53B	216-B-53B Trench	Trench	Liquid	2.01×10 ⁴	–	1962	1963	Stabilized in 1982; removal, treatment, and disposal planned
216-B-58	216-B-58 Trench	Trench	Liquid	4.17×10 ⁵	–	1965	1967	Stabilized in 1982; removal, treatment, and disposal planned

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–32. Cumulative Impacts Sites for Map 14

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
600 NRDWL	600 Nonrad Dangerous Waste Landfill	Landfill	Solid	Unknown	1.41×10 ⁵	1975	1985	Backfilled and covered; landfill closure planned

Note: To convert cubic meters to cubic feet, multiply by 35.315.

Key: ID=identifier; L=liters; m³=cubic meters; Nonrad=nonradioactive; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S–33. Cumulative Impacts Sites for Map 15

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
618-11	300 Wye Burial Ground	Burial ground	Solid	–	Unknown	1962	1967	Surface stabilized in 1987; removal, treatment, and disposal planned
400 RFD	400 Area Retired French Drains	French drain	Liquid	Unknown	–	Unknown	Unknown	Inactive
316-4	300 North Cribs, 321 Cribs	Crib	Liquid	2.00×10 ⁵	–	1948	1955	Remedial excavation work begun in 2004; removal, treatment, and disposal planned

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-34. Cumulative Impacts Sites for Map 16

WIDS ID/ Building Number	Common Site Name	Site Type	Source Type	Liquid Volume (L)	Solid Volume (m ³)	Time Start	Time Stop	Status/Future End State
618-9	300 West Burial Ground	Burial ground	Solid	–	Unknown	1950	1956	Remediated in 1991; site exhumed and all waste removed
316-1	300 Area South Process Ponds	Pond	Liquid	5.11×10 ¹⁰	–	1944	1975	Remediated and closed out; removal, treatment, and disposal planned
316-2	300 Area North Process Ponds	Pond	Liquid	3.73×10 ¹⁰	–	1949	1975	Remediated and closed out; removal, treatment, and disposal planned
316-5	300 Area Process Trenches	Trench	Liquid	3.63×10 ¹⁰	–	1975	1985	Remediated and closed out; removal, treatment, and disposal planned
UPR-300-1	307-340 Waste Line Leak	Unplanned release	Liquid	Unknown	–	1969	1969	Top 0.6 meters of contaminated soil removed and disposed of in 200 Areas; removal, treatment, and disposal planned
300-19	324 Sodium Removal Pilot Plant	Process unit/plant	Liquid	Unknown	–	1979	1987	Reaction vessel decommissioned and removed in 1991
UPR-300-13	Acid Neutralization Tank Leak East of 333 Building	Unplanned release	Liquid	4.93×10 ³	–	1973	1973	Tank and contaminated soil removed
300-264	327 Building, Postirradiation Testing Laboratory	Laboratory	Liquid	Unknown	–	1953	1996	Currently in stabilization and deactivation stage
309-WS-1	309 Plutonium Recycle Test Reactor Ion Exchange Vault	Process unit/plant	Liquid	Unknown	–	1961	1969	Deactivated in 1995; vault decontaminated and residual contamination stabilized
316-3	307 Disposal Trenches	Trench	Liquid	1.00×10 ⁹	–	1953	1963	Contaminated sediments excavated and removed in 1963; trench backfilled in 1965; removal, treatment, and disposal planned

Note: To convert liters to gallons, multiply by 0.26417.

Key: Dash (–)=not applicable; ID=identifier; L=liters; m³=cubic meters; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-35a. Map 1: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
116-B-1	107-B Liquid Waste Disposal Trench	Liquid	1998	2.51×10 ⁻²	–	–	4.98×10 ⁻²	–	–	–
116-B-4	105-B Dummy Decontamination French Drain	Liquid	1998	–	–	–	–	–	–	–
116-B-5	108-B Crib	Liquid	1998	8.29×10 ¹	–	–	8.10×10 ⁻⁴	–	–	–
116-B-6A	116-B-6-1 Crib	Liquid	1998	–	–	–	6.37×10 ⁻¹	–	–	–
116-B-6B	116-B-6-2 Crib	Liquid	1998	3.31×10 ⁻³	–	–	1.33×10 ⁻⁴	–	–	–
116-B-11	107-B Retention Basins	Liquid	1998	1.82	–	–	6.58×10 ⁻¹	–	–	–
116-C-5	107-C Retention Basins	Liquid	1998	3.68×10 ⁻¹	–	–	1.70	–	–	–
116-C-1	107-C Liquid Waste Disposal Trench	Liquid	1998	3.87×10 ⁻¹	–	–	1.16	–	–	–
116-C-2A	105-C Pluto Crib	Liquid	1998	1.38×10 ⁻¹	–	–	6.94×10 ⁻¹	–	–	–
116-C-2C	105-C Pluto Crib Sand Filter	Liquid	1998	1.24×10 ⁻¹	–	–	1.27	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-35b. Map 1: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
116-B-1	107-B Liquid Waste Disposal Trench	Liquid	1998	2.17×10 ⁻¹	–	–	6.15×10 ⁻⁹	–	8.18×10 ⁻³	–
116-B-4	105-B Dummy Decontamination French Drain	Liquid	1998	–	–	–	–	–	–	–
116-B-5	108-B Crib	Liquid	1998	1.46×10 ⁻³	–	–	–	–	–	–
116-B-6A	116-B-6-1 Crib	Liquid	1998	1.05×10 ⁻¹	–	–	4.53×10 ⁻¹¹	–	2.00×10 ⁻³	–
116-B-6B	116-B-6-2 Crib	Liquid	1998	1.46×10 ⁻⁴	–	–	–	–	–	–
116-B-11	107-B Retention Basins	Liquid	1998	5.24	–	–	1.09×10 ⁻⁶	–	9.13×10 ⁻¹	–
116-C-5	107-C Retention Basins	Liquid	1998	8.78×10 ⁻¹	–	–	6.06×10 ⁻⁷	–	2.94×10 ⁻¹	–
116-C-1	107-C Liquid Waste Disposal Trench	Liquid	1998	4.10	–	–	2.94×10 ⁻⁹	–	1.30×10 ⁻¹	–
116-C-2A	105-C Pluto Crib	Liquid	1998	5.86×10 ⁻⁴	–	–	–	–	–	–
116-C-2C	105-C Pluto Crib Sand Filter	Liquid	1998	5.86	–	–	7.15×10 ⁻⁶	–	1.20×10 ⁻¹	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-36a. Map 2: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
116-K-1	100-K Crib	Liquid	1998	–	–	–	4.39×10 ⁻¹	–	–	–
116-K-2	100-K Mile Long Trench	Liquid	1998	1.44×10 ¹	–	–	1.08×10 ¹	–	–	–
116-KE-4	107-KE Retention Basins	Liquid	1998	3.61×10 ⁻²	–	–	9.40×10 ⁻²	–	–	–
116-KW-3	107-KW Retention Basin	Liquid	1998	1.38×10 ⁻¹	–	–	4.65×10 ⁻²	–	–	–
116-KE-1	115-KE Condensate Crib	Liquid	1986	5.65×10 ¹	1.10×10 ²	–	–	–	–	–
116-KE-2	1706-KER Waste Crib	Liquid	–	–	–	–	–	–	–	–
116-KW-1	115-KW Condensate Crib	Liquid	1998	3.59×10 ¹	–	–	4.40×10 ⁻³	–	–	–
UPR-100-K-1 ^b	100-KE Fuel Storage Basin Leak	Liquid	Unknown	–	–	–	–	–	–	–
120-KE-1	183-KE Filter Waste Facility Drywell	Liquid/solid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-36b. Map 2: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
116-K-1	100-K Crib	Liquid	1998	1.29×10 ¹	–	–	8.38×10 ⁻⁷	–	1.41×10 ⁻¹	–
116-K-2	100-K Mile Long Trench	Liquid	1998	1.06×10 ²	–	–	1.14×10 ⁻⁵	–	4.99	–
116-KE-4	107-KE Retention Basins	Liquid	1998	9.97×10 ⁻¹	–	–	1.26×10 ⁻⁹	–	5.38×10 ⁻⁴	–
116-KW-3	107-KW Retention Basin	Liquid	1998	3.02×10 ⁻¹	–	–	8.19×10 ⁻¹¹	–	3.61×10 ⁻³	–
116-KE-1	115-KE Condensate Crib	Liquid	1986	–	–	–	–	–	–	–
116-KE-2	1706-KER Waste Crib	Liquid	–	–	–	–	–	–	–	–
116-KW-1	115-KW Condensate Crib	Liquid	1998	2.58×10 ⁻³	–	–	–	–	–	–
UPR-100-K-1 ^b	100-KE Fuel Storage Basin Leak	Liquid	Unknown	–	–	–	–	–	1.30	–
120-KE-1	183-KE Filter Waste Facility Drywell	Liquid/solid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-37a. Map 3: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
116-N-1	1301-N Liquid Waste Disposal Facility	Liquid	1998	5.29×10 ³	–	–	1.61×10 ³	–	–	–
116-N-3	1325-N Liquid Waste Disposal Facility	Liquid	1998	3.23×10 ²	–	–	1.61×10 ²	–	–	–
UPR-100-N-3	Spacer Disposal System Transport Line Leak	Liquid	1978	1.00	–	–	8.00×10 ⁻¹	–	–	–
UPR-100-N-7	Rad Line Leak	Liquid	1985	–	–	–	–	–	8.00×10 ⁻¹	–
UPR-100-N-35 ^b	100-N Fuel Storage Basin Drainage System Leak	Liquid	1986	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-37b. Map 3: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
116-N-1	1301-N Liquid Waste Disposal Facility	Liquid	1998	2.11×10 ³	–	–	2.72×10 ⁻⁷	–	2.30×10 ¹	–
116-N-3	1325-N Liquid Waste Disposal Facility	Liquid	1998	2.92×10 ²	–	–	5.49×10 ⁻²	–	2.80	–
UPR-100-N-3	Spacer Disposal System Transport Line Leak	Liquid	1978	2.50×10 ⁻¹	–	–	–	–	4.00×10 ⁻⁴	–
UPR-100-N-7	Rad Line Leak	Liquid	1985	–	–	–	–	–	–	–
UPR-100-N-35 ^b	100-N Fuel Storage Basin Drainage System Leak	Liquid	1986	4.00×10 ⁻¹	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-38a. Map 4: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
116-D-1A	105-D Storage Basin Trenches 1	Liquid	1998	3.87×10^{-1}	–	–	8.68×10^{-2}	–	–	–
116-D-1B	105-D Storage Basin Trenches 2	Liquid	1998	5.52×10^{-2}	–	–	1.16×10^{-1}	–	–	–
116-D-7	107-D Retention Basin	Liquid	1998	2.49×10^{-1}	–	–	1.62×10^{-1}	–	–	–
116-DR-9	107-DR Retention Basin	Liquid	1998	9.39×10^{-3}	–	–	1.43×10^{-1}	–	–	–
100-D-25 ^b	107-DR Basin Leaks	Liquid	1998	1.52×10^{-1}	–	–	2.20×10^{-1}	–	–	–
UPR-100-D-4 ^b	107-D Basin Leaks	Liquid	1998	4.06×10^{-1}	–	–	1.12×10^{-1}	–	–	–
116-DR-1&2	107-DR Liquid Waste Disposal Trenches	Liquid	1998	1.96×10^{-1}	–	–	2.14×10^{-1}	–	–	–
116-DR-6	1608-DR Liquid Disposal Trench	Liquid	N/A	–	–	–	–	–	–	–
116-DR-7	105-DR Inkwel Crib	Liquid	1986	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-38b. Map 4: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
116-D-1A	105-D Storage Basin Trenches 1	Liquid	1998	7.61×10^{-1}	–	–	4.53×10^{-10}	–	2.00×10^{-2}	–
116-D-1B	105-D Storage Basin Trenches 2	Liquid	1998	3.63×10^{-1}	–	–	1.52×10^{-10}	–	–	–
116-D-7	107-D Retention Basin	Liquid	1998	1.68	–	–	6.17×10^{-7}	–	1.40×10^{-1}	–
116-DR-9	107-DR Retention Basin	Liquid	1998	2.68	–	–	9.32×10^{-8}	–	6.86×10^{-2}	–
100-D-25 ^b	107-DR Basin Leaks	Liquid	1998	3.29	–	–	9.85×10^{-10}	–	4.34×10^{-2}	–
UPR-100-D-4 ^b	107-D Basin Leaks	Liquid	1998	2.17	–	–	6.72×10^{-8}	–	6.99×10^{-2}	–
116-DR-1&2	107-DR Liquid Waste Disposal Trenches	Liquid	1998	9.37	–	–	7.92×10^{-10}	–	3.49×10^{-2}	–
116-DR-6	1608-DR Liquid Disposal Trench	Liquid	N/A	–	–	–	–	–	–	–
116-DR-7	105-DR Inkwel Crib	Liquid	1986	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-39a. Map 5: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
100-H-33	183-H Solar Evaporation Basins Radionuclide Components	Liquid	N/A	–	–	–	–	–	–	–
116-H-6	183-H Solar Evaporation Basins	Liquid	N/A	Site consolidated with Site WIDS ID 100-H-33						
116-H-1	107-H Liquid Disposal Trench	Liquid	1998	1.35×10 ⁻²	–	–	5.32×10 ⁻¹	–	–	–
116-H-2	1608-H Liquid Waste Disposal Trench	Liquid	1998	–	–	–	–	–	–	–
116-H-4	105-H Pluto Crib	Liquid	N/A	–	–	–	–	–	–	–
116-H-7	107-H Retention Basin	Liquid	1998	4.27×10 ⁻¹	–	–	5.76×10 ⁻¹	–	–	–
116-H-3	105-H Dummy Decontamination French Drain	Liquid	1998	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-39b. Map 5: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
100-H-33	183-H Solar Evaporation Basins Radionuclide Components	Liquid	N/A	–	–	–	–	–	–	–
116-H-6	183-H Solar Evaporation Basins	Liquid	N/A	Site consolidated with Site WIDS ID 100-H-33						
116-H-1	107-H Liquid Disposal Trench	Liquid	1998	2.69	–	–	1.99×10 ⁻⁷	–	6.68×10 ⁻²	–
116-H-2	1608-H Liquid Waste Disposal Trench	Liquid	1998	–	–	–	–	–	–	–
116-H-4	105-H Pluto Crib	Liquid	N/A	–	–	–	–	–	–	–
116-H-7	107-H Retention Basin	Liquid	1998	6.43	–	–	3.46×10 ⁻⁷	–	2.36×10 ⁻¹	–
116-H-3	105-H Dummy Decontamination French Drain	Liquid	1998	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-40a. Map 6: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
116-F-1 ^b	Lewis Canal	Liquid	1998	8.84×10^{-2}	–	–	3.65×10^{-2}	–	–	–
116-F-2	107-F Liquid Waste Disposal Trench	Liquid	1998	1.64×10^{-1}	–	–	4.92×10^{-2}	–	–	–
116-F-9	Animal Waste Leaching Trench	Liquid	1986	–	–	–	1.96	–	–	–
116-F-3	105-F Storage Basin Trench	Liquid	1998	–	–	–	–	–	–	–
116-F-6	105-F Cooling Water Trench	Liquid	1998	6.35×10^{-1}	–	–	1.22×10^{-1}	–	–	–
116-F-4	105-F Pluto Crib	Liquid	1998	4.70×10^{-3}	–	–	7.52×10^{-1}	–	–	–
116-F-10	105-F Dummy Decontamination French Drain	Liquid	N/A	–	–	–	–	–	–	–
116-F-14	107-F Retention Basin	Liquid	1998	1.96×10^{-1}	–	–	1.19×10^{-1}	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because it emptied directly into the Columbia River.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-40b. Map 6: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
116-F-1 ^b	Lewis Canal	Liquid	1998	6.44×10^{-1}	–	–	1.49×10^{-10}	–	6.58×10^{-3}	–
116-F-2	107-F Liquid Waste Disposal Trench	Liquid	1998	5.39×10^{-1}	–	–	1.85×10^{-10}	–	8.18×10^{-3}	–
116-F-9	Animal Waste Leaching Trench	Liquid	1986	9.10×10^{-2}	–	–	–	–	7.00×10^{-3}	–
116-F-3	105-F Storage Basin Trench	Liquid	1998	–	–	–	–	–	–	–
116-F-6	105-F Cooling Water Trench	Liquid	1998	3.86×10^{-1}	–	–	2.22×10^{-10}	–	9.78×10^{-3}	–
116-F-4	105-F Pluto Crib	Liquid	1998	1.11	–	–	3.44×10^{-8}	–	4.19×10^{-2}	–
116-F-10	105-F Dummy Decontamination French Drain	Liquid	N/A	–	–	–	–	–	–	–
116-F-14	107-F Retention Basin	Liquid	1998	1.48	–	–	1.79×10^{-9}	–	7.91×10^{-2}	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because it emptied directly into the Columbia River.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-41a. Map 7: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-N-1	216-N-1 Pond	Liquid	2001	–	–	–	–	–	–	–
216-N-2	216-N-2 Trench	Liquid	2001	4.27×10 ⁻⁴	8.26×10 ⁻⁶	–	4.74×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷
216-N-3	216-N-3 Trench	Liquid	2001	4.27×10 ⁻⁴	8.26×10 ⁻⁶	–	4.74×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷
216-N-4	216-N-4 Pond	Liquid	2001	4.28×10 ⁻⁴	8.27×10 ⁻⁶	–	4.75×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷
216-N-5	216-N-5 Trench	Liquid	2001	4.27×10 ⁻⁴	8.25×10 ⁻⁶	–	4.74×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷
216-N-6	216-N-6 Pond	Liquid	2001	4.28×10 ⁻⁴	8.27×10 ⁻⁶	–	4.75×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷
216-N-7	216-N-7 Trench	Liquid	2001	4.27×10 ⁻⁴	8.25×10 ⁻⁶	–	4.74×10 ⁻²	1.94×10 ⁻⁵	1.76×10 ⁻⁴	1.76×10 ⁻⁷

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-41b. Map 7: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-N-1	216-N-1 Pond	Liquid	2001	–	–	5.02×10 ⁻¹⁵	3.90×10 ⁻⁴	4.78×10 ⁻⁸	3.17×10 ⁻⁵	–
216-N-2	216-N-2 Trench	Liquid	2001	3.89×10 ⁻¹	–	1.05×10 ⁻¹⁴	1.51×10 ⁻⁵	1.09×10 ⁻⁶	2.22×10 ⁻⁴	6.18×10 ⁻⁵
216-N-3	216-N-3 Trench	Liquid	2001	3.89×10 ⁻¹	–	1.05×10 ⁻¹⁴	1.51×10 ⁻⁵	1.09×10 ⁻⁶	2.22×10 ⁻⁴	6.18×10 ⁻⁵
216-N-4	216-N-4 Pond	Liquid	2001	3.90×10 ⁻¹	–	1.57×10 ⁻¹⁴	4.02×10 ⁻⁴	1.14×10 ⁻⁶	2.54×10 ⁻⁴	6.18×10 ⁻⁵
216-N-5	216-N-5 Trench	Liquid	2001	3.90×10 ⁻¹	–	1.05×10 ⁻¹⁴	1.50×10 ⁻⁵	1.09×10 ⁻⁶	2.22×10 ⁻⁴	6.18×10 ⁻⁵
216-N-6	216-N-6 Pond	Liquid	2001	3.90×10 ⁻¹	–	1.55×10 ⁻¹⁴	4.02×10 ⁻⁴	1.14×10 ⁻⁶	2.53×10 ⁻⁴	6.18×10 ⁻⁵
216-N-7	216-N-7 Trench	Liquid	2001	3.90×10 ⁻¹	–	1.05×10 ⁻¹⁴	1.51×10 ⁻⁵	1.09×10 ⁻⁶	2.22×10 ⁻⁴	6.18×10 ⁻⁵

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-42a. Map 8: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-A-25	216-A-25 Gable Mountain Pond	Liquid	2001	8.75×10^2	3.49×10^1	–	1.83×10^2	3.26×10^{-1}	1.71	1.40×10^{-2}
UPR-200-E-34	UPR-200-E-34	Liquid	N/A	Site consolidated with Site WIDS ID 216-A-25						
600-118	600-118 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-A-25						

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-42b. Map 8: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-A-25	216-A-25 Gable Mountain Pond	Liquid	2001	7.26×10^3	–	4.91×10^{-9}	9.23	1.17×10^{-1}	3.76×10^1	2.84
UPR-200-E-34	UPR-200-E-34	Liquid	N/A	Site consolidated with Site WIDS ID 216-A-25						
600-118	600-118 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-A-25						

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-43a. Map 9: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-S-5	216-S-5 Crib	Liquid	2001	3.30	1.08×10 ⁻³	–	3.14×10 ¹	3.11×10 ⁻³	2.59×10 ⁻²	3.15×10 ⁻⁵
216-S-6	216-S-6 Crib	Liquid	2001	3.55	9.23×10 ⁻⁵	–	5.83	2.37×10 ⁻³	1.60×10 ⁻²	2.80×10 ⁻³
216-S-10D ^b	216-S-10D Ditch	Liquid	1998	–	–	–	8.67×10 ⁻¹	–	–	–
216-S-10P	216-S-10P Pond	Liquid	2001	1.05	2.55	–	8.28×10 ⁻¹	1.83×10 ⁻³	1.15×10 ⁻²	1.81×10 ⁻⁵
216-S-11	216-S-11P Pond	Liquid	1998	–	–	–	6.57×10 ⁻¹	2.24×10 ⁻⁵	9.95×10 ⁻⁵	–
216-S-16D ^b	216-S-16D Ditch	Liquid	N/A	–	–	–	–	–	–	–
216-S-16P	216-S-16P Pond	Liquid	2001	2.60	8.47×10 ⁻⁴	–	1.37	3.75×10 ⁻³	2.88×10 ⁻²	3.50×10 ⁻⁵
216-S-17	216-S-17 Pond	Liquid	2001	7.31×10 ⁻¹	1.62×10 ⁻³	–	7.13	4.65×10 ⁻³	2.95×10 ⁻²	4.71×10 ⁻⁵
UPR-200-W-47	UPR-200-W-47	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-16P						
UPR-200-W-59	UPR-200-W-59	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-16P						
UPR-200-W-34	UPR-200-W-34	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-10D						
218-W-1	218-W-1 Burial Ground	Solid	1986	–	–	–	3.88	–	–	–
218-W-2	218-W-2 Burial Ground	Solid	1986	–	–	–	9.70	–	–	–
218-W-4B	218-W-4B Burial Ground	Solid	1995	5.23×10 ⁴	1.14×10 ¹	–	1.48×10 ⁴	–	–	5.00×10 ⁻¹
218-W-4C	218-W-4C Burial Ground	Solid	1995	3.29×10 ⁴	2.63	2.00×10 ⁻⁴	7.33×10 ³	5.70×10 ⁻⁴	1.64×10 ¹	1.46×10 ⁻³
218-W-5	218-W-5 Burial Ground	Solid	1995	5.82×10 ⁴	5.33	5.42×10 ⁻²	1.05×10 ⁵	1.03×10 ⁻³	1.42×10 ²	3.66×10 ⁻²
218-W-3AE	218-W-3AE Burial Ground	Solid	1995	7.03×10 ⁴	1.46×10 ¹	6.24×10 ⁻²	8.65×10 ⁴	7.84	3.50×10 ¹	4.46×10 ⁻⁴
218-W-3A	218-W-3A Burial Ground	Solid	1995	1.35×10 ⁵	2.91×10 ²	1.25×10 ⁻⁴	9.85×10 ⁴	1.83×10 ⁻⁵	2.54×10 ⁻¹	1.44×10 ⁻²
Z Plant BP	Z Plant Burning Pit	Solid	N/A	Site consolidated with Site WIDS ID 218-W-4C						

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-43b. Map 9: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-S-5	216-S-5 Crib	Liquid	2001	5.63×10 ¹	–	1.89×10 ⁻¹⁴	7.42×10 ⁻¹	1.37×10 ⁻⁴	1.73×10 ⁻²	1.02×10 ⁻²
216-S-6	216-S-6 Crib	Liquid	2001	1.13×10 ¹	–	3.26×10 ⁻¹²	5.77×10 ⁻¹	1.74×10 ⁻³	2.98×10 ⁻¹	5.49×10 ⁻²
216-S-10D ^b	216-S-10D Ditch	Liquid	1998	1.02	–	2.52×10 ⁻¹⁴	6.91×10 ⁻¹¹	–	8.17×10 ⁻³	1.87×10 ⁻²
216-S-10P	216-S-10P Pond	Liquid	2001	3.76×10 ¹	–	2.56×10 ⁻¹⁰	4.15×10 ⁻¹	4.60×10 ⁻²	1.97×10 ¹	5.31×10 ¹
216-S-11	216-S-11 Pond	Liquid	1998	6.65×10 ⁻¹	–	2.57×10 ⁻¹⁵	–	–	–	–
216-S-16D ^b	216-S-16D Ditch	Liquid	N/A	–	–	–	–	–	–	–
216-S-16P	216-S-16P Pond	Liquid	2001	7.07×10 ¹	–	2.96×10 ⁻¹⁴	4.44×10 ⁻¹	1.37×10 ⁻⁴	6.14×10 ⁻³	6.68×10 ⁻³
216-S-17	216-S-17 Pond	Liquid	2001	8.41×10 ¹	–	2.81×10 ⁻¹⁴	2.39×10 ⁻³	2.07×10 ⁻⁴	8.55×10 ⁻³	8.08×10 ⁻³
UPR-200-W-47	UPR-200-W-47	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-16P						
UPR-200-W-59	UPR-200-W-59	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-16P						
UPR-200-W-34	UPR-200-W-34	Liquid	N/A	Site consolidated with Site WIDS ID 216-S-10D						
218-W-1	218-W-1 Burial Ground	Solid	1986	4.15	–	–	2.35×10 ⁻²	–	6.82×10 ³	–
218-W-2	218-W-2 Burial Ground	Solid	1986	1.04×10 ¹	–	–	4.69×10 ⁻¹	–	9.13×10 ³	–
218-W-4B	218-W-4B Burial Ground	Solid	1995	1.63×10 ⁴	–	–	–	–	–	–
218-W-4C	218-W-4C Burial Ground	Solid	1995	5.75×10 ⁴	–	–	7.28×10 ¹	8.26×10 ⁻³	1.73×10 ⁴	1.61×10 ⁴
218-W-5	218-W-5 Burial Ground	Solid	1995	3.25×10 ³	–	–	6.54×10 ²	3.47×10 ⁻²	1.46×10 ²	3.86
218-W-3AE	218-W-3AE Burial Ground	Solid	1995	1.29×10 ⁵	–	–	1.85×10 ²	6.79×10 ⁻²	3.69×10 ¹	1.11×10 ²
218-W-3A	218-W-3A Burial Ground	Solid	1995	2.70×10 ⁵	3.39×10 ⁻³	–	–	–	–	–
Z Plant BP	Z Plant Burning Pit	Solid	N/A	Site consolidated with Site WIDS ID 218-W-4C						

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-44a. Map 9A: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
218-W-3	218-W-3 Burial Ground	Solid	Varies based on time of disposal	–	–	–	1.75×10 ¹	–	–	–
218-W-4A	218-W-4A Burial Ground	Solid	1986	–	–	–	5.84×10 ¹	–	–	–
218-W-2A	218-W-2A Burial Ground	Solid	Varies based on time of disposal	–	–	–	2.98×10 ³	–	–	–
UPR-200-W-84	UPR-200-W-84	Liquid	N/A	Site consolidated with Site WIDS ID 218-W-3A						
UPR-200-W-134	UPR-200-W-134	Solid	N/A	Site consolidated with Site WIDS ID 218-W-3A						
UPR-200-W-53	UPR-200-W-53	Liquid	N/A	Site consolidated with Site WIDS ID 218-W-2A						
UPR-200-W-72	UPR-200-W-72	Solid	N/A	Site consolidated with Site WIDS ID 218-W-4A						
UPR-200-W-16	UPR-200-W-16	Solid	N/A	Site consolidated with Site WIDS ID 218-W-1						
216-T-4A	216-T-4A Pond	Liquid	2001	1.25×10 ³	1.11×10 ⁻⁴	–	2.87	2.60×10 ⁻⁴	6.68×10 ⁻²	4.36×10 ⁻⁴
216-T-4B	216-T-4B Pond	Liquid	N/A	Site consolidated with Site WIDS ID 216-T-4A						
216-T-36	216-T-36 Crib	Liquid	2001	1.24×10 ⁻³	1.19×10 ⁻⁵	–	6.16×10 ⁻¹	2.96×10 ⁻⁵	2.15×10 ⁻⁴	2.98×10 ⁻⁴
216-T-4-2	216-T-4-2 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-T-4A						
UPR-200-W-97	UPR-200-W-97 Unplanned Release	Liquid	2001	5.57×10 ⁻⁶	1.76×10 ⁻⁵	–	1.87×10 ⁻²	4.78×10 ⁻⁴	9.49×10 ⁻⁶	–
UPR-200-W-29	UPR-200-W-29 Unplanned Release	Liquid	2001	2.31×10 ⁻²	3.06×10 ⁻⁴	–	2.54×10 ⁻¹	4.67×10 ⁻³	7.66×10 ⁻⁴	6.68×10 ⁻⁶
216-T-13	216-T-13 Trench	Liquid	1972	–	–	–	1.00×10 ⁻¹	–	–	–
216-T-27	216-T-27 Crib	Liquid	2001	8.35×10 ⁻³	1.10×10 ⁻¹	–	4.15	2.00×10 ⁻⁴	1.43×10 ⁻³	–
216-TY-201	216-TY-201 Settling Tank	Liquid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-44b. Map 9A: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
218-W-3	218-W-3 Burial Ground	Solid	Varies based on time of disposal	1.87×10 ¹	–	–	2.35×10 ¹	–	4.93×10 ³	–
218-W-4A	218-W-4A Burial Ground	Solid	1986	6.25×10 ¹	–	–	1.32×10 ²	–	2.57×10 ³	–
218-W-2A	218-W-2A Burial Ground	Solid	Varies based on time of disposal	3.18×10 ³	–	–	–	–	–	–
UPR-200-W-84	UPR-200-W-84	Liquid	N/A	Site consolidated with Site WIDS ID 218-W-3A						
UPR-200-W-134	UPR-200-W-134	Solid	N/A	Site consolidated with Site WIDS ID 218-W-3A						
UPR-200-W-53	UPR-200-W-53	Liquid	N/A	Site consolidated with Site WIDS ID 218-W-2A						
UPR-200-W-72	UPR-200-W-72	Solid	N/A	Site consolidated with Site WIDS ID 218-W-4A						
UPR-200-W-16	UPR-200-W-16	Solid	N/A	Site consolidated with Site WIDS ID 218-W-1						
216-T-4A	216-T-4A Pond	Liquid	2001	5.50	–	5.15×10 ⁻¹¹	4.12×10 ⁻¹	1.63×10 ⁻⁴	6.26×10 ⁻²	8.30×10 ⁻⁴
216-T-4B	216-T-4B Pond	Liquid	N/A	Site consolidated with Site WIDS ID 216-T-4A						
216-T-36	216-T-36 Crib	Liquid	2001	7.26×10 ⁻¹	–	3.46×10 ⁻⁸	1.32	4.52×10 ⁻⁷	2.28×10 ¹	7.96×10 ⁻⁴
216-T-4-2	216-T-4-2 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-T-4A						
UPR-200-W-97	UPR-200-W-97 Unplanned Release	Liquid	2001	2.18×10 ⁻²	–	2.87×10 ⁻¹³	1.04×10 ⁻⁵	3.93×10 ⁻⁶	1.13×10 ⁻²	2.76×10 ⁻⁴
UPR-200-W-29	UPR-200-W-29 Unplanned Release	Liquid	2001	1.73	–	1.26×10 ⁻¹²	7.92×10 ⁻⁵	1.76×10 ⁻⁵	2.13×10 ⁻⁴	1.97×10 ⁻³
216-T-13	216-T-13 Trench	Liquid	1972	1.00×10 ⁻¹	–	–	–	–	–	–
216-T-27	216-T-27 Crib	Liquid	2001	4.94	–	2.33×10 ⁻⁷	8.17×10 ⁻²	3.33×10 ⁻³	1.98	2.30
216-TY-201	216-TY-201 Settling Tank	Liquid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-45a. Map 9B: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-T-12	216-T-12 Trench	Liquid	2001	7.92×10 ¹	4.04×10 ⁻⁴	–	3.60×10 ⁻¹	6.18×10 ⁻³	8.43×10 ⁻³	8.82×10 ⁻⁶
218-W-1A	218-W-1A Burial Ground	Solid	Varies based on time of disposal	–	–	–	9.32×10 ²	–	–	–
UPR-200-W-26	UPR-200-W-26	Solid	N/A	Site consolidated with Site WIDS ID 218-W-1A						
216-T-29	216-T-29 Crib	Liquid	2001	4.57×10 ⁻⁵	8.83×10 ⁻⁷	–	5.07×10 ⁻³	2.07×10 ⁻⁶	1.88×10 ⁻⁵	1.88×10 ⁻⁸
216-T-33	216-T-33 Crib	Liquid	2001	7.66×10 ⁻¹	1.21×10 ⁻⁶	–	6.03×10 ⁻²	3.01×10 ⁻⁶	4.13×10 ⁻³	2.93×10 ⁻⁵
216-T-34	216-T-34 Crib	Liquid	2001	3.68×10 ⁻⁴	8.66×10 ⁻²	–	1.74×10 ⁻¹	1.11×10 ⁻⁵	7.37×10 ⁻⁵	8.21×10 ⁻³
216-T-35	216-T-35 Crib	Liquid	2001	–	1.50×10 ⁻¹	–	7.13×10 ⁻³	–	–	–
216-T-1	216-T-1 Ditch (221-T Ditch)	Liquid	2001	4.23×10 ⁻²	6.27×10 ⁻⁴	–	2.70	1.06×10 ⁻⁴	9.66×10 ⁻⁴	9.63×10 ⁻⁷
216-T-2	216-T-2 Reverse Well	Liquid	2001	7.14×10 ⁻³	1.38×10 ⁻⁴	–	7.92×10 ⁻¹	3.24×10 ⁻⁴	2.94×10 ⁻³	2.94×10 ⁻⁶
216-T-3	216-T-3 Reverse Well	Liquid	2001	2.02×10 ⁻⁵	4.14×10 ⁻³	–	1.70	3.57×10 ⁻²	9.57×10 ⁻⁴	4.24×10 ⁻⁷
216-T-6	216-T-6 Cribs	Liquid	2001	2.13×10 ⁻⁴	1.48×10 ⁻²	–	1.40×10 ¹	4.01×10 ⁻¹	7.87×10 ⁻³	3.49×10 ⁻⁶
216-T-8	216-T-8 Crib	Liquid	2001	4.38×10 ⁻⁴	7.87×10 ⁻⁵	–	1.52×10 ¹	2.80×10 ⁻⁶	1.94×10 ⁻⁴	2.17×10 ⁻⁷
200-W-45	200-W-45 Sand Filter	Solid	1994	–	–	–	2.90×10 ¹	–	–	–
200-W-20	2706-T Equipment Decontamination Building	Solid	1994	–	–	–	1.50×10 ¹	–	–	–
200-W-20 ^b	T Plant Complex (including 221-T Canyon)	Solid	1994	–	6.66×10 ⁻³	–	1.66	–	4.03×10 ⁻³	1.40×10 ⁻³
224-T	224-T Canyon	Liquid/ solid	2003	–	–	–	–	–	–	–
200-W-9	200-W-9 Unplanned Release	Liquid	2001	1.61×10 ⁻⁴	3.12×10 ⁻⁶	–	1.79×10 ⁻²	7.33×10 ⁻⁶	6.66×10 ⁻⁵	6.64×10 ⁻⁸
UPR-200-W-2 ^c	UPR-200-W-2 Unplanned Release	Liquid	2001	1.43×10 ⁻¹	3.80×10 ⁻³	–	3.04×10 ¹	4.73×10 ⁻⁵	8.43×10 ⁻²	3.72×10 ⁻⁵
UPR-200-W-21	UPR-200-W-21	Liquid	2001	2.87×10 ⁻¹	4.77×10 ⁻³	–	2.75×10 ¹	7.08×10 ⁻⁵	1.28×10 ⁻¹	1.46×10 ⁻⁴
UPR-200-W-38	UPR-200-W-38 Unplanned Release	Liquid	2001	1.99×10 ⁻¹	3.31×10 ⁻³	–	1.91×10 ¹	4.89×10 ⁻⁵	8.87×10 ⁻²	1.01×10 ⁻⁴
UPR-200-W-98 ^c	UPR-200-W-98 Unplanned Release	Liquid	2001	3.84×10 ⁻³	1.03×10 ⁻⁴	–	8.14×10 ⁻¹	1.26×10 ⁻⁶	2.27×10 ⁻³	1.01×10 ⁻⁶
UPR-200-W-102	UPR-200-W-102 Unplanned Release	Liquid	2001	3.98×10 ⁻⁷	1.65×10 ⁻⁵	–	2.96×10 ⁻³	–	1.51×10 ⁻⁶	–
TRUSAF	TRUSAF (in 224-T Canyon)	Liquid/ solid	1985	–	–	–	2.20×10 ¹	–	–	–
241-T-361	241-T-361 Settling Tank	Liquid/ solid	Unknown	–	–	–	8.72×10 ²	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b Inventories for all isotopes, except plutonium isotopes, were reduced by a factor of 1/10,000 to reduce conservatism.

^c This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-45b. Map 9B: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-T-12	216-T-12 Trench	Liquid	2001	2.29	–	1.67×10 ⁻¹²	1.46×10 ⁻¹	2.42×10 ⁻⁵	2.47×10 ⁻³	2.60×10 ⁻³
218-W-1A	218-W-1A Burial Ground	Solid	Varies based on time of disposal	9.97×10 ²	–	–	3.02×10 ⁻¹	–	1.45×10 ²	–
UPR-200-W-26	UPR-200-W-26	Solid	N/A	Site consolidated with Site WIDS ID 218-W-1A						
216-T-29	216-T-29 Crib	Liquid	2001	4.17×10 ⁻²	–	1.12×10 ⁻¹⁵	1.29×10 ⁻⁶	1.16×10 ⁻⁷	2.37×10 ⁻⁵	6.60×10 ⁻⁶
216-T-33	216-T-33 Crib	Liquid	2001	7.34×10 ⁻²	–	3.37×10 ⁻⁹	1.57×10 ⁻¹	4.95×10 ⁻⁸	2.24	7.86×10 ⁻⁵
216-T-34	216-T-34 Crib	Liquid	2001	3.08×10 ⁻¹	–	9.51×10 ⁻⁹	3.73×10 ⁻¹	1.21×10 ⁻³	6.99	1.81
216-T-35	216-T-35 Crib	Liquid	2001	7.71×10 ⁻²	–	9.44×10 ⁻¹²	2.39×10 ⁻²	2.10×10 ⁻³	1.19	3.14
216-T-1	216-T-1 Ditch (221-T Ditch)	Liquid	2001	2.42	–	9.30×10 ⁻¹⁴	1.53×10 ⁻⁴	2.04×10 ⁻⁵	7.17×10 ⁻³	3.56×10 ⁻⁴
216-T-2	216-T-2 Reverse Well	Liquid	2001	6.51	–	1.74×10 ⁻¹³	2.02×10 ⁻⁴	1.82×10 ⁻⁵	3.70×10 ⁻³	1.03×10 ⁻³
216-T-3	216-T-3 Reverse Well	Liquid	2001	1.95	–	2.82×10 ⁻¹⁰	1.36×10 ⁻³	3.35×10 ⁻³	1.77×10 ¹	7.26×10 ⁻²
216-T-6	216-T-6 Cribs	Liquid	2001	1.60×10 ¹	–	2.78×10 ⁻¹⁰	1.41×10 ⁻²	3.31×10 ⁻³	1.61×10 ¹	7.17×10 ⁻²
216-T-8	216-T-8 Crib	Liquid	2001	4.41×10 ⁻¹	–	4.47×10 ⁻¹⁵	3.21×10 ⁻²	1.12×10 ⁻⁶	1.22×10 ⁻³	7.64×10 ⁻⁵
200-W-45	200-W-45 Sand Filter	Solid	1994	3.30×10 ¹	–	–	–	–	4.10	–
200-W-20	2706-T Equipment Decontamination Building	Solid	1994	1.50×10 ¹	–	–	–	–	2.50	1.50×10 ⁻¹
200-W-20 ^b	T Plant Complex (including 221-T Canyon)	Solid	1994	5.24	–	–	1.26×10 ⁻³	–	7.49×10 ¹	5.49×10 ⁻³
224-T	224-T Canyon	Liquid/ solid	2003	–	–	–	–	–	1.70	1.86×10 ¹
200-W-9	200-W-9 Unplanned Release	Liquid	2001	1.47×10 ⁻¹	–	3.95×10 ⁻¹⁵	4.57×10 ⁻⁶	4.11×10 ⁻⁷	8.38×10 ⁻⁵	2.34×10 ⁻⁵
UPR-200-W-2 ^c	UPR-200-W-2 Unplanned Release	Liquid	2001	1.72×10 ²	–	1.72×10 ⁻¹²	7.91×10 ⁻³	4.77×10 ⁻⁴	5.30×10 ⁻²	1.03×10 ⁻²
UPR-200-W-21	UPR-200-W-21	Liquid	2001	2.92×10 ²	–	2.28×10 ⁻¹²	7.12×10 ⁻³	7.35×10 ⁻⁴	6.49×10 ⁻²	5.14×10 ⁻²
UPR-200-W-38	UPR-200-W-38 Unplanned Release	Liquid	2001	2.03×10 ²	–	1.59×10 ⁻¹²	4.94×10 ⁻³	5.09×10 ⁻⁴	4.50×10 ⁻²	3.58×10 ⁻²
UPR-200-W-98 ^c	UPR-200-W-98 Unplanned Release	Liquid	2001	4.59	–	4.61×10 ⁻¹⁴	2.12×10 ⁻⁴	1.28×10 ⁻⁵	1.41×10 ⁻³	2.76×10 ⁻⁴
UPR-200-W-102	UPR-200-W-102 Unplanned Release	Liquid	2001	3.46×10 ⁻³	–	1.34×10 ⁻¹²	3.60×10 ⁻⁷	1.84×10 ⁻⁵	4.01	1.29×10 ⁻³
TRUSAF	TRUSAF (in 224-T Canyon)	Liquid/ solid	1985	1.10	–	–	–	–	3.10×10 ¹	5.00
241-T-361	241-T-361 Settling Tank	Liquid/ solid	Unknown	4.91×10 ³	–	–	–	–	1.39×10 ⁴	1.60×10 ³

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b Inventories for all isotopes, except plutonium isotopes, were reduced by a factor of 1/10,000 to reduce conservatism.

^c This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-46a. Map 9C: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-Z-16	216-Z-16 Crib	Liquid	2001	–	–	–	4.39×10 ⁻⁵	1.23×10 ⁻⁶	5.45×10 ⁻⁶	–
231-Z	231-Z Plutonium Isolation Facility	Solid	2003	–	–	–	–	–	–	–
216-Z-4	216-Z-4 Trench	Liquid	2001	–	–	–	2.28×10 ⁻¹	1.00×10 ⁻⁶	4.47×10 ⁻⁶	–
216-Z-5	216-Z-5 Crib	Liquid	2001	–	–	–	3.69	1.62×10 ⁻⁵	7.21×10 ⁻⁵	–
216-Z-6	216-Z-6 Crib	Liquid	2001	–	–	–	4.86×10 ⁻¹	2.13×10 ⁻⁶	9.50×10 ⁻⁶	–
216-Z-7	216-Z-7 Crib	Liquid	2001	1.55×10 ⁻³	1.50×10 ⁻⁵	–	1.54×10 ²	7.10×10 ⁻⁴	3.26×10 ⁻³	3.71×10 ⁻³
216-Z-8	216-Z-8 Trench	Liquid	2001	–	–	–	2.95×10 ⁻¹²	–	–	–
216-Z-9	216-Z-9 Trench	Liquid	2001	–	–	–	5.96×10 ⁻²	7.87×10 ⁻⁶	3.50×10 ⁻⁵	–
216-Z-10	216-Z-10 Reverse Well	Liquid	2001	–	–	–	4.78	2.10×10 ⁻⁵	9.33×10 ⁻⁵	–
UPR-200-W-130 ^b	UPR-200-W-130	Liquid	2001	–	–	–	1.43×10 ⁻¹⁰	3.91×10 ⁻¹²	1.76×10 ⁻¹¹	–
216-Z-17	216-Z-17 Trench	Liquid	2001	–	–	–	1.58×10 ⁻⁵	4.42×10 ⁻⁷	1.97×10 ⁻⁶	–
216-Z-15	216-Z-15 French Drain	Liquid	2001	–	–	–	1.63×10 ⁻⁸	–	–	–
234-5Z ^c	234-5Z Plutonium Finishing Plant	Solid	N/A	–	–	–	–	–	–	–
2736-Z	2736-Z Plutonium Finishing Plant	Liquid/ solid	Unknown	–	–	–	–	–	–	–
242-Z	242-Z Americium Recovery Facility	Solid	Unknown	–	–	–	–	–	–	–
216-Z-1D ^d	216-Z-1(D) Ditch	Liquid	1986	–	–	–	–	–	–	–
236-Z	236-Z Plutonium Reclamation Facility	Solid	Unknown	–	–	–	–	–	–	–
216-Z-14	216-Z-14 French Drain	Liquid	2001	–	–	–	1.57×10 ⁻⁸	–	–	–
291-Z	291-Z Exhaust Fan and Compressor House	Solid	N/A	–	–	–	–	–	–	–
UPR-200-W-103	UPR-200-W-103	Liquid	2001	–	–	–	–	–	–	–
241-Z ^c	241-Z Treatment Tank	Liquid	N/A	–	–	–	–	–	–	–
241-Z-361	241-Z-361 Settling Tank	Liquid	N/A	–	–	–	–	–	–	–
216-Z-13	216-Z-13 French Drain	Liquid	2001	–	–	–	1.51×10 ⁻⁸	–	–	–
216-Z-1&2	216-Z-1 & 2 Cribs	Liquid	2001	–	–	–	1.68×10 ⁻²	1.07×10 ⁻⁶	4.77×10 ⁻⁶	–
216-Z-3	216-Z-3 Crib	Liquid	2001	–	–	–	3.20×10 ⁻¹	1.89×10 ⁻⁶	8.39×10 ⁻⁶	–
216-Z-12	216-Z-12 Crib	Liquid	2001	–	–	–	7.05×10 ⁻¹	4.75×10 ⁻⁵	2.11×10 ⁻⁴	–
216-Z-1A	216-Z-1A Tile Field	Liquid	2001	–	–	–	9.82×10 ⁻¹	1.60×10 ⁻⁵	7.10×10 ⁻⁵	–
216-Z-18	216-Z-18 Crib	Liquid	2001	–	–	–	5.68×10 ⁻²	7.51×10 ⁻⁶	3.33×10 ⁻⁵	–
216-Z-20	216-Z-20 Crib	Liquid	2001	–	–	–	1.94×10 ⁻⁷	–	–	–
216-Z-21	216-Z-21 Seepage Basin	Liquid	2001	–	–	–	4.82×10 ⁻⁷	–	–	–

Table S-46a. Map 9C: Radionuclide Inventories (curies) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-Z-11	216-Z-11 Ditch	Liquid	1986	–	–	–	–	–	–	–
216-U-13	216-U-13 Trench	Liquid	2001	1.78×10 ⁻⁵	1.14×10 ⁻⁶	–	1.74×10 ⁻¹	6.13×10 ⁻⁷	7.48×10 ⁻⁶	7.73×10 ⁻⁹
216-U-14 ^d	216-U-14 Ditch	Liquid	2001	9.52	7.77×10 ⁻³	–	7.52×10 ⁻²	1.37×10 ⁻⁴	8.21×10 ⁻⁴	8.23×10 ⁻³
207-U	207-U Retention Basin	Liquid	N/A	–	–	–	–	–	–	–
UPR-200-W-135	UPR-200-W-135 Unplanned Release	Liquid	2001	9.80×10 ⁻²	1.63×10 ⁻³	–	9.38	2.41×10 ⁻⁵	4.36×10 ⁻²	4.97×10 ⁻⁵
UPR-200-W-28	UPR-200-W-28	Liquid	2001	1.42×10 ⁻²	5.46×10 ⁻⁴	–	5.72	6.65×10 ⁻⁶	8.62×10 ⁻³	1.11×10 ⁻⁵
UPR-200-W-131 ^b	UPR-200-W-131	Liquid	2001	9.26×10 ⁻⁵	3.59×10 ⁻⁶	–	3.75×10 ⁻²	4.36×10 ⁻⁸	5.64×10 ⁻⁵	7.23×10 ⁻⁸
200-W PP	200-W PP Powerhouse Pond	Liquid	2001	–	–	–	–	–	–	–
216-T-20	216-T-20 Trench	Liquid	2001	3.03×10 ⁻¹	9.23×10 ⁻⁶	–	7.64×10 ⁻²	3.33×10 ⁻⁵	1.08×10 ⁻⁴	1.52×10 ⁻⁷
232-Z	232-Z Waste Incinerator	Solid	2002	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

^c This site had inventories that were in the initial list of constituents, but was screened out during final screening described in Section S.3.6.

^d This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-46b. Map 9C: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-Z-16	216-Z-16 Crib	Liquid	2001	4.84×10 ⁻⁵	–	9.50×10 ⁻¹⁴	3.09×10 ⁻⁴	1.06×10 ⁻²	3.57	2.75
231-Z	231-Z Plutonium Isolation Facility	Solid	2003	–	–	–	–	–	6.85	–
216-Z-4	216-Z-4 Trench	Liquid	2001	2.35×10 ⁻¹	–	1.05×10 ⁻¹⁶	9.53×10 ⁻⁶	1.06×10 ⁻³	7.06×10 ⁻¹	7.60
216-Z-5	216-Z-5 Crib	Liquid	2001	3.79	–	1.67×10 ⁻¹⁵	1.52×10 ⁻⁴	4.76×10 ⁻²	3.16×10 ¹	1.18×10 ³
216-Z-6	216-Z-6 Crib	Liquid	2001	4.99×10 ⁻¹	–	2.23×10 ⁻¹⁶	2.03×10 ⁻⁵	2.34×10 ⁻³	1.55	1.87×10 ¹
216-Z-7	216-Z-7 Crib	Liquid	2001	1.58×10 ²	–	4.27×10 ⁻⁸	1.64	7.78×10 ⁻¹	5.45×10 ²	7.35×10 ³
216-Z-8	216-Z-8 Trench	Liquid	2001	6.81×10 ⁻¹²	–	5.83×10 ⁻²⁰	3.21×10 ⁻⁹	1.66×10 ⁻²	3.28	6.73×10 ⁻¹
216-Z-9	216-Z-9 Trench	Liquid	2001	6.22×10 ⁻²	–	2.87×10 ⁻¹⁶	1.70×10 ⁻⁵	9.89	2.18×10 ³	5.65×10 ²
216-Z-10	216-Z-10 Reverse Well	Liquid	2001	4.90	–	2.19×10 ⁻¹⁵	1.99×10 ⁻⁴	2.30×10 ⁻²	1.53×10 ¹	1.85×10 ²
UPR-200-W-130 ^b	UPR-200-W-130	Liquid	2001	1.57×10 ¹⁰	–	3.05×10 ⁻¹⁹	9.96×10 ⁻¹⁰	3.44×10 ⁻⁸	1.14×10 ⁻⁵	9.15×10 ⁻⁶
216-Z-17	216-Z-17 Trench	Liquid	2001	1.75×10 ⁻⁵	–	3.43×10 ⁻¹⁴	1.12×10 ⁻⁴	3.84×10 ⁻³	1.29	9.91×10 ⁻¹
216-Z-15	216-Z-15 French Drain	Liquid	2001	3.75×10 ⁻⁸	–	3.52×10 ⁻¹⁵	1.53×10 ⁻⁵	1.51×10 ⁻⁹	4.88×10 ⁻⁷	6.26×10 ⁻⁸
234-5Z ^c	234-5Z Plutonium Finishing Plant	Solid	N/A	–	–	–	–	–	–	–

Table S-46b. Map 9C: Radionuclide Inventories (curies) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
2736-Z	2736-Z Plutonium Finishing Plant	Liquid/ solid	Unknown	–	–	–	–	–	1.98×10 ²	1.92×10 ²
242-Z	242-Z Americium Recovery Facility	Solid	Unknown	–	–	–	–	–	8.57×10 ¹	3.51×10 ³
216-Z-1D ^d	216-Z-1(D) Ditch	Liquid	1986	–	–	–	–	–	1.74×10 ²	–
236-Z	236-Z Plutonium Reclamation Facility	Solid	Unknown	–	–	–	–	–	4.72×10 ³	4.56×10 ³
216-Z-14	216-Z-14 French Drain	Liquid	2001	3.62×10 ⁻⁸	–	3.53×10 ⁻¹⁵	1.48×10 ⁻⁵	1.44×10 ⁻⁹	4.72×10 ⁻⁷	6.05×10 ⁻⁸
291-Z	291-Z Exhaust Fan and Compressor House	Solid	N/A	–	–	–	–	–	1.07×10 ¹	1.03×10 ¹
UPR-200-W-103	UPR-200-W-103	Liquid	2001	–	–	7.54×10 ⁻²⁰	2.46×10 ⁻¹⁰	3.87×10 ⁻³	1.30	2.42×10 ⁻¹
241-Z ^c	241-Z Treatment Tank	Liquid	N/A	–	–	–	–	–	–	–
241-Z-361	241-Z-361 Settling Tank	Liquid	N/A	–	–	–	–	–	4.67×10 ³	–
216-Z-13	216-Z-13 French Drain	Liquid	2001	3.48×10 ⁻⁸	–	3.35×10 ⁻¹⁵	1.42×10 ⁻⁵	1.38×10 ⁻⁹	4.53×10 ⁻⁷	5.81×10 ⁻⁸
216-Z-1&2	216-Z-1 & 2 Cribs	Liquid	2001	1.07×10 ⁻²	–	3.98×10 ⁻¹⁶	7.13×10 ⁻⁶	4.98×10 ⁻¹	1.85×10 ²	1.88×10 ²
216-Z-3	216-Z-3 Crib	Liquid	2001	3.20×10 ⁻¹	–	1.56×10 ⁻¹⁶	1.11×10 ⁻⁵	4.26×10 ⁻¹	1.35×10 ²	5.23×10 ³
216-Z-12	216-Z-12 Crib	Liquid	2001	7.10×10 ⁻¹	–	4.04×10 ⁻¹⁴	1.43×10 ⁻⁴	1.08×10 ¹	3.15×10 ³	8.51×10 ³
216-Z-1A	216-Z-1A Tile Field	Liquid	2001	1.01	–	9.21×10 ⁻¹⁵	6.58×10 ⁻⁵	1.23×10 ¹	4.14×10 ³	3.88×10 ³
216-Z-18	216-Z-18 Crib	Liquid	2001	5.94×10 ⁻²	–	5.48×10 ⁻¹⁵	1.78×10 ⁻⁵	6.86	2.30×10 ³	7.55×10 ²
216-Z-20	216-Z-20 Crib	Liquid	2001	4.47×10 ⁻⁷	–	5.76×10 ⁻¹⁴	1.88×10 ⁻⁴	8.62×10 ⁻³	2.90	5.39×10 ⁻¹
216-Z-21	216-Z-21 Seepage Basin	Liquid	2001	1.11×10 ⁻⁶	–	1.43×10 ⁻¹³	4.66×10 ⁻⁴	4.48×10 ⁻⁸	1.50×10 ⁻⁵	1.86×10 ⁻⁶
216-Z-11	216-Z-11 Ditch	Liquid	1986	–	–	–	–	–	1.74×10 ²	–
216-U-13	216-U-13 Trench	Liquid	2001	1.67×10 ⁻²	–	3.64×10 ⁻¹⁶	3.64×10 ⁻⁴	4.53×10 ⁻⁸	2.05×10 ⁻⁵	2.72×10 ⁻⁶
216-U-14 ^d	216-U-14 Ditch	Liquid	2001	2.85	–	3.09×10 ⁻¹⁰	5.71×10 ⁻²	1.36×10 ⁻³	2.65×10 ⁻¹	2.32×10 ⁻³
207-U	207-U Retention Basin	Liquid	N/A	–	–	–	–	–	–	–
UPR-200-W-135	UPR-200-W-135 Unplanned Release	Liquid	2001	9.98×10 ¹	–	7.80×10 ⁻¹³	2.43×10 ⁻³	2.51×10 ⁻⁴	2.22×10 ⁻²	1.76×10 ⁻²
UPR-200-W-28	UPR-200-W-28	Liquid	2001	2.63×10 ¹	–	2.23×10 ⁻¹³	4.84×10 ⁻⁵	6.84×10 ⁻⁵	7.57×10 ⁻³	3.79×10 ⁻³
UPR-200-W-131 ^b	UPR-200-W-131	Liquid	2001	1.73×10 ⁻¹	–	1.46×10 ⁻¹⁵	3.16×10 ⁻⁷	4.49×10 ⁻⁷	4.96×10 ⁻⁵	2.47×10 ⁻⁵
200-W PP	200-W PP Powerhouse Pond	Liquid	2001	–	–	–	–	–	–	–
216-T-20	216-T-20 Trench	Liquid	2001	3.19×10 ⁻¹	–	1.18×10 ⁻¹⁴	7.24×10 ⁻⁷	9.37×10 ⁻⁷	1.95×10 ⁻⁴	5.27×10 ⁻⁵
232-Z	232-Z Waste Incinerator	Solid	2002	–	–	–	–	–	4.84×10 ¹	3.46

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

^c This site had inventories that were in the initial list of constituents, but was screened out during final screening described in Section S.3.6.

^d This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-47a. Map 9D: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-U-10	216-U-10 Pond	Liquid	2001	2.47×10 ²	2.02×10 ⁻¹	–	1.96	3.56×10 ⁻³	2.13×10 ⁻²	2.14×10 ⁻¹
216-U-3	216-U-3 French Drain	Liquid	2001	2.28×10 ¹	–	–	1.39×10 ⁻⁷	–	5.94×10 ⁻⁴	–
UPR-200-W-104	UPR-200-W-104	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
UPR-200-W-105	UPR-200-W-105	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
UPR-200-W-106	UPR-200-W-106	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
216-S-4	216-S-4 French Drain	Liquid	2001	2.91×10 ¹	–	–	1.81×10 ⁻⁷	–	–	–
216-S-3	216-S-3 Crib	Liquid	2001	1.22×10 ²	4.06×10 ⁻⁴	–	3.31×10 ⁻¹	2.28×10 ⁻³	1.42×10 ⁻²	2.18×10 ⁻⁵
216-S-21	216-S-21 Crib	Liquid	2001	2.54×10 ³	8.95×10 ⁻³	–	6.63	3.38×10 ⁻²	2.11×10 ⁻¹	3.23×10 ⁻⁴
UPR-200-W-107	UPR-200-W-107	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
216-S-25	216-S-25 Crib	Liquid	1998	3.62×10 ³	4.48×10 ⁻⁵	–	4.85×10 ⁻⁵	–	–	–
216-S-1&2	216-S-1 & 216-S-2 Cribs	Liquid	2001	2.54×10 ³	–	–	9.59×10 ²	5.87×10 ⁻¹	2.60	1.36×10 ⁻¹
216-S-8	216-S-8 Trench	Liquid	2001	–	–	–	–	–	–	–
UPR-200-W-95	UPR-200-W-95	Liquid	2001	1.10×10 ⁻³	5.97×10 ⁻⁵	–	9.82×10 ⁻²	1.65×10 ⁻⁴	1.05×10 ⁻³	1.68×10 ⁻⁶

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-47b. Map 9D: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-U-10	216-U-10 Pond	Liquid	2001	7.41×10 ¹	–	8.03×10 ⁻⁹	1.49	1.21	4.00×10 ²	1.60×10 ²
216-U-3	216-U-3 French Drain	Liquid	2001	3.42×10 ⁻⁷	–	9.63×10 ⁻¹⁸	1.17×10 ⁻²	2.93×10 ⁻⁶	4.96×10 ⁻⁴	–
UPR-200-W-104	UPR-200-W-104	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
UPR-200-W-105	UPR-200-W-105	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
UPR-200-W-106	UPR-200-W-106	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
216-S-4	216-S-4 French Drain	Liquid	2001	4.43×10 ⁻⁷	–	1.25×10 ⁻¹⁷	2.03×10 ⁻⁷	3.80×10 ⁻⁶	6.42×10 ⁻⁴	–
216-S-3	216-S-3 Crib	Liquid	2001	4.21×10 ¹	–	9.21×10 ⁻¹⁰	1.41×10 ⁻³	7.21×10 ⁻⁵	3.53×10 ⁻³	8.96×10 ⁻⁴
216-S-21	216-S-21 Crib	Liquid	2001	6.28×10 ²	–	1.36×10 ⁻⁸	9.49×10 ⁻⁵	1.16×10 ⁻³	7.33×10 ⁻²	1.79×10 ⁻²
UPR-200-W-107	UPR-200-W-107	Liquid	N/A	Site consolidated with Site WIDS ID 216-U-10						
216-S-25	216-S-25 Crib	Liquid	1998	2.30×10 ⁻⁵	–	1.19×10 ⁻¹³	4.87×10 ⁻⁴	9.59×10 ⁻⁴	1.71×10 ⁻¹	1.35×10 ⁻⁵
216-S-1&2	216-S-1 & 216-S-2 Cribs	Liquid	2001	8.27×10 ²	–	9.19×10 ⁻¹¹	1.50	5.14×10 ⁻¹	8.70×10 ¹	2.45×10 ¹
216-S-8	216-S-8 Trench	Liquid	2001	–	–	–	2.09×10 ⁻¹	–	–	–
UPR-200-W-95	UPR-200-W-95	Liquid	2001	2.97	–	9.57×10 ⁻¹⁶	8.25×10 ⁻⁷	7.66×10 ⁻⁶	2.41×10 ⁻⁴	2.69×10 ⁻⁴

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-48a. Map 9E: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-U-5	216-U-5 Trench	Liquid	2001	–	–	–	–	–	–	–
216-U-6	216-U-6 Trench	Liquid	2001	–	–	–	–	–	–	–
221-U	221-U Process Canyon	Liquid/ solid	2001	–	–	–	1.00×10 ⁵	–	–	–
241-WR-Vault	241-WR Vault	Liquid	1976	–	–	–	6.00×10 ¹	–	–	–
216-U-15	216-U-15 Trench	Liquid	2001	6.38×10 ⁻⁵	1.51×10 ⁻⁶	–	1.13×10 ⁻²	2.25×10 ⁻⁶	3.52×10 ⁻²	3.16×10 ⁻⁸
UPR-200-W-138	UPR-200-W-138	Liquid	2001	2.33×10 ⁻¹	–	–	–	–	4.43×10 ⁻⁴	–
200-W-44	200-W-44 Sand filter	Solid	Active	–	–	–	7.90×10 ²	–	–	–
216-U-7	216-U-7 French Drain	Liquid	2001	1.90×10 ⁻⁸	4.36×10 ⁻¹⁰	–	3.87×10 ⁻⁷	2.20×10 ⁻⁹	1.17×10 ⁻⁸	2.24×10 ⁻¹¹
UPR-200-W-101	UPR-200-W-101 Unplanned Release	Liquid	2001	7.09×10 ⁻²	–	–	–	–	1.34×10 ⁻⁴	–
216-U-4	216-U-4 Reverse Well	Liquid	2001	3.56×10 ⁻⁴	6.99×10 ⁻⁶	–	3.95×10 ⁻²	1.61×10 ⁻⁵	1.47×10 ⁻⁴	1.46×10 ⁻⁷
216-U-4A	216-U-4A French Drain	Liquid	2001	5.69×10 ⁻⁷	1.43×10 ⁻²	–	7.42×10 ⁻⁴	2.58×10 ⁻⁸	2.35×10 ⁻⁷	2.34×10 ⁻¹⁰
216-U-1&2	216-U-1&2 Cribs	Liquid	2001	1.13×10 ²	1.12×10 ⁻⁴	–	1.17	1.36×10 ⁻⁶	7.27	2.27×10 ⁻⁶
241-U-361	241-U-361 Settling Tank	Liquid	1976	–	–	–	7.60×10 ²	–	–	–
UPR-200-W-39	UPR-200-W-39 Unplanned Release	Liquid	2001	6.06×10 ⁻³	–	–	–	–	1.14×10 ⁻⁵	–
200-W-42 ^b	200-W-42 Process Sewer	Liquid	2001	3.20×10 ⁻¹	–	–	–	–	–	–
UPR-200-W-163	UPR-200-W-163 Unplanned Release	Liquid	2001	9.35×10 ⁻¹	3.05×10 ⁻¹⁰	–	1.42×10 ⁻⁶	8.62×10 ⁻¹⁰	2.27×10 ⁻³	2.49×10 ⁻⁷
216-U-16	216-U-16 Crib	Liquid	2001	4.18×10 ³	9.28×10 ⁻⁴	–	6.71×10 ⁻⁸	–	–	7.53×10 ⁻⁸
216-S-9	216-S-9 Crib	Liquid	2001	1.17×10 ³	–	–	1.19×10 ²	2.33×10 ⁻²	1.04×10 ⁻¹	2.95×10 ⁻²
216-S-23	216-S-23 Crib	Liquid	2001	4.24×10 ⁻⁵	7.08×10 ⁻⁷	–	1.15×10 ⁻³	2.96×10 ⁻⁶	1.86×10 ⁻⁵	2.93×10 ⁻⁸
216-U-8	216-U-8 Crib	Liquid	2001	4.62×10 ³	6.80×10 ⁻⁶	–	3.25×10 ⁻²	1.88×10 ⁻⁵	2.71	4.93×10 ⁻³
216-U-12	216-U-12 Crib	Liquid	2001	3.16×10 ³	7.64×10 ⁻⁷	–	3.00×10 ¹	3.45×10 ⁻³	6.78×10 ⁻¹	1.38×10 ⁻⁶

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-48b. Map 9E: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-U-5	216-U-5 Trench	Liquid	2001	–	–	–	4.27×10 ⁻¹	–	–	–
216-U-6	216-U-6 Trench	Liquid	2001	–	–	–	4.27×10 ⁻¹	–	–	–
221-U	221-U Process Canyon	Liquid/ solid	2001	2.42×10 ²	–	–	–	–	7.20×10 ¹	2.60×10 ¹
241-WR-Vault	241-WR Vault	Liquid	1976	–	–	–	–	–	–	–
216-U-15	216-U-15 Trench	Liquid	2001	5.41×10 ⁻²	–	1.03×10 ⁻¹¹	6.71×10 ⁻³	2.24×10 ⁻⁶	2.59×10 ⁻⁴	1.24×10 ⁻⁴
UPR-200-W-138	UPR-200-W-138	Liquid	2001	–	–	–	8.75×10 ⁻³	–	–	–
200-W-44	200-W-44 Sand Filter	Solid	Active	6.80×10 ³	–	–	–	–	4.10×10 ¹	–
216-U-7	216-U-7 French Drain	Liquid	2001	4.84×10 ⁻⁵	–	1.52×10 ⁻¹⁴	3.71×10 ⁻¹¹	4.72×10 ⁻¹¹	1.98×10 ⁻⁹	1.37×10 ⁻⁹
UPR-200-W-101	UPR-200-W-101 Unplanned Release	Liquid	2001	–	–	–	2.63×10 ⁻³	–	–	–
216-U-4	216-U-4 Reverse Well	Liquid	2001	3.25×10 ⁻¹	–	1.93×10 ⁻¹⁴	1.01×10 ⁻⁵	1.03×10 ⁻⁶	1.87×10 ⁻⁴	5.42×10 ⁻⁵
216-U-4A	216-U-4A French Drain	Liquid	2001	7.85×10 ⁻³	–	6.96×10 ⁻¹³	2.16×10 ⁻³	2.95×10 ⁻⁴	1.10×10 ⁻¹	2.99×10 ⁻¹
216-U-1&2	216-U-1&2 Cribs	Liquid	2001	1.81	–	2.07×10 ⁻⁹	2.67	4.26×10 ⁻⁴	4.74×10 ⁻²	2.34×10 ⁻²
241-U-361	241-U-361 Settling Tank	Liquid	1976	1.37×10 ³	–	–	–	–	–	–
UPR-200-W-39	UPR-200-W-39 Unplanned Release	Liquid	2001	–	–	–	2.25×10 ⁻⁴	–	–	–
200-W-42 ^b	200-W-42 Process Sewer	Liquid	2001	–	–	1.63×10 ⁻¹⁶	3.63×10 ⁻⁷	1.11×10 ⁻⁹	3.73×10 ⁻⁷	–
UPR-200-W-163	UPR-200-W-163 Unplanned Release	Liquid	2001	3.03×10 ⁻⁶	–	2.06×10 ⁻¹⁷	1.50×10 ⁻²	8.57×10 ⁻¹⁰	1.31×10 ⁻⁷	2.07×10 ⁻⁹
216-U-16	216-U-16 Crib	Liquid	2001	8.55×10 ⁻⁵	–	9.83×10 ⁻¹⁴	1.05×10 ⁻⁴	3.65×10 ⁻⁷	1.13×10 ⁻⁴	2.96×10 ⁻⁵
216-S-9	216-S-9 Crib	Liquid	2001	6.04×10 ¹	–	1.01×10 ⁻¹⁰	2.28×10 ⁻¹	2.01×10 ⁻²	3.57	3.29×10 ⁻²
216-S-23	216-S-23 Crib	Liquid	2001	5.88×10 ⁻²	–	2.37×10 ⁻¹⁷	1.13×10 ⁻⁸	8.53×10 ⁻⁸	3.10×10 ⁻⁶	3.39×10 ⁻⁶
216-U-8	216-U-8 Crib	Liquid	2001	5.12×10 ⁻²	–	1.38×10 ⁻¹²	1.72×10 ¹	5.63×10 ⁻⁵	8.57×10 ⁻³	4.66×10 ⁻⁵
216-U-12	216-U-12 Crib	Liquid	2001	6.96×10 ¹	–	3.54×10 ⁻⁴	4.48	1.68×10 ⁻⁵	4.75×10 ⁻³	1.37×10 ⁻⁸

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-49a. Map 9F: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-S-19	216-S-19 Pond	Liquid	2001	2.30×10 ⁻¹	3.42×10 ⁻³	–	1.63×10 ⁻⁴	–	–	–
216-S-14	216-S-14 Trench	Liquid	2001	–	–	–	–	–	–	–
216-S-7	216-S-7 Crib	Liquid	2001	8.38×10 ³	–	–	1.47×10 ³	5.59×10 ⁻¹	2.48	3.51×10 ⁻¹
UPR-200-W-32 ^b	UPR-200-W-32	Liquid	2001	7.69×10 ⁻³	–	–	–	–	1.56×10 ⁻⁵	–
216-S-13	216-S-13 Crib	Liquid	2001	4.31×10 ¹	1.86×10 ⁻⁴	–	4.20×10 ⁻¹	6.47×10 ⁻²	4.40×10 ⁻¹	–
216-S-12	216-S-12 Trench	Liquid	2001	1.06×10 ⁻¹	1.62×10 ⁻⁷	–	1.39	8.53×10 ⁻⁴	3.77×10 ⁻³	4.03×10 ⁻⁴
200-W-22	200-W-22 Unplanned Release	Liquid	2001	9.02×10 ⁻⁴	–	–	–	–	2.13×10 ⁻⁶	–
233-S	233-S Plutonium Concentration Facility	Solid	2003	–	–	–	–	–	–	–
200-W-69	200-W-69 Lab Complex (includes 222-S Lab, 222-S DMWSA, 219-S, 222-SA, 296-S-21, 296-S-16, 296-S-23, 296-S-13)	Liquid/ solid	2002	–	–	–	1.80×10 ³	–	–	–
UPR-200-W-61	UPR-200-W-61	Liquid	2001	2.29×10 ⁻²	1.25×10 ⁻³	–	2.06	3.48×10 ⁻³	2.20×10 ⁻²	3.53×10 ⁻⁵
202-S	202-S (REDOX)	Solid	1997	–	–	–	9.84×10 ³	–	–	–
291-S	291-S Sand Filter	Solid	1998	–	–	–	8.00×10 ³	–	–	–
216-S-20	216-S-20 Crib	Liquid	2001	1.53×10 ⁻¹	2.69	–	7.46×10 ¹	3.60×10 ⁻³	2.57×10 ⁻²	8.15×10 ⁻³
216-S-22	216-S-22 Crib	Liquid	2001	2.23	2.04×10 ⁻⁹	–	3.31×10 ⁻⁶	8.54×10 ⁻⁹	5.38×10 ⁻⁸	6.39×10 ⁻⁶
216-S-26	216-S-26 Crib	Liquid	2001	3.87×10 ⁻²	5.77×10 ⁻⁴	–	2.74×10 ⁻⁵	–	–	–
218-W-7	218-W-7 Burial Ground (222-S Vault)	Solid	1986	–	–	–	7.82×10 ¹	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; REDOX=Reduction-Oxidation (Facility); Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-49b. Map 9F: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-S-19	216-S-19 Pond	Liquid	2001	1.76×10 ⁻³	–	2.19×10 ⁻¹³	5.38×10 ⁻⁴	1.26×10 ⁻⁶	3.74×10 ⁻⁴	1.03×10 ⁻³
216-S-14	216-S-14 Trench	Liquid	2001	–	–	–	4.96×10 ⁻⁵	–	–	–
216-S-7	216-S-7 Crib	Liquid	2001	9.79×10 ²	–	7.63×10 ⁻¹⁰	2.59	4.87×10 ⁻¹	8.36×10 ¹	1.68×10 ¹
UPR-200-W-32 ^b	UPR-200-W-32	Liquid	2001	–	–	–	1.93×10 ⁻⁴	–	–	–
216-S-13	216-S-13 Crib	Liquid	2001	1.45×10 ²	–	3.80×10 ⁻¹³	2.08×10 ⁻³	1.24×10 ⁻²	8.63×10 ⁻¹	9.36×10 ⁻¹
216-S-12	216-S-12 Trench	Liquid	2001	1.22	–	1.35×10 ⁻¹³	2.16×10 ⁻³	7.47×10 ⁻⁴	1.27×10 ⁻¹	3.54×10 ⁻²
200-W-22	200-W-22 Unplanned Release	Liquid	2001	–	–	–	1.87×10 ⁻⁵	–	–	–
233-S	233-S Plutonium Concentration Facility	Solid	2003	–	–	–	–	2.10×10 ⁻³	7.58	3.70
200-W-69	200-W-69 Lab Complex (includes 222-S Lab, 222-S DMWSA, 219-S, 222-SA, 296-S-21, 296-S-16, 296-S-23, 296-S-13)	Liquid/ solid	2002	6.33×10 ²	–	–	–	–	1.83×10 ¹	1.35×10 ¹
UPR-200-W-61	UPR-200-W-61	Liquid	2001	6.25×10 ¹	–	2.02×10 ⁻¹⁴	1.74×10 ⁻⁵	1.61×10 ⁻⁴	5.08×10 ⁻³	5.58×10 ⁻³
202-S	202-S (REDOX)	Solid	1997	–	–	–	–	–	1.64×10 ³	–
291-S	291-S Sand Filter	Solid	1998	–	–	–	–	–	3.40×10 ²	–
216-S-20	216-S-20 Crib	Liquid	2001	8.90×10 ¹	–	4.18×10 ⁻⁶	5.59×10 ⁻¹	1.20×10 ⁻¹	2.26×10 ¹	5.62×10 ¹
216-S-22	216-S-22 Crib	Liquid	2001	1.70×10 ⁻⁶	–	6.85×10 ⁻²⁰	3.27×10 ⁻¹¹	2.46×10 ⁻¹⁰	8.93×10 ⁻⁹	9.77×10 ⁻⁹
216-S-26	216-S-26 Crib	Liquid	2001	2.96×10 ⁻⁴	–	9.07×10 ⁻¹⁴	9.67×10 ⁻⁵	2.05×10 ⁻⁷	6.33×10 ⁻⁵	1.76×10 ⁻⁴
218-W-7	218-W-7 Burial Ground (222-S Vault)	Solid	1986	8.36×10 ¹	–	–	2.30×10 ⁻⁴	–	5.08×10 ⁻²	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; REDOX=Reduction-Oxidation (Facility); Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-50a. Map 10: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
600-148 ^b	Environmental Restoration Disposal Facility	Solid	Active	9.26×10 ³	2.08×10 ²	4.17×10 ¹	1.20×10 ⁴	4.44×10 ¹	8.35×10 ¹	2.00×10 ⁻²
N/A	US Ecology ^c	Solid	Active	8.60×10 ⁵	5.09×10 ³	4.76	4.98×10 ⁴	–	5.51×10 ¹	5.98
216-W-LWC	216-W-LWC Crib	Liquid	2001	4.40×10 ⁻⁵	–	–	1.92×10 ⁻¹	–	–	5.08×10 ⁻²
216-U-17	216-U-17 Crib	Liquid	2001	1.86×10 ²	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b Inventories were revised to reflect the current reporting of inventories disposed of at the Environmental Restoration Disposal Facility through March 2010. No projections beyond March 2010 were available and therefore, were not included in the final inventory database.

^c It is believed that the inventories of iodine-129 and technetium-99 were overestimated when reported on the disposal manifests. This overestimation is believed to be by a factor of 100 to 10,000 (Thatcher 2003)

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; US Ecology=US Ecology Commercial Low-Level Radioactive Waste Disposal Site; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-50b. Map 10: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
600-148 ^b	Environmental Restoration Disposal Facility	Solid	Active	1.55×10 ⁴	–	1.03	4.11×10 ²	3.70×10 ⁻¹	3.39×10 ²	4.37×10 ²
N/A	US Ecology ^c	Solid	Active	1.21×10 ⁵	–	1.22×10 ¹	1.82×10 ³	–	6.46×10 ³	4.67×10 ²
216-W-LWC	216-W-LWC Crib	Liquid	2001	2.59×10 ⁻¹	–	1.95×10 ⁻¹²	2.37×10 ⁻³	9.23×10 ⁻⁴	3.19×10 ⁻¹	1.34×10 ⁻²
216-U-17	216-U-17 Crib	Liquid	2001	–	–	1.92×10 ⁻¹³	2.05×10 ⁻⁴	6.52×10 ⁻⁷	2.01×10 ⁻⁴	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b Inventories were revised to reflect the current reporting of inventories disposed of at the Environmental Restoration Disposal Facility through March 2010. No projections beyond March 2010 were available and therefore, were not included in the final inventory database.

^c It is believed that the inventories of iodine-129 and technetium-99 were overestimated when reported on the disposal manifests. This overestimation is believed to be by a factor of 100 to 10,000 (Thatcher 2003)

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; US Ecology=US Ecology Commercial Low-Level Radioactive Waste Disposal Site; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-51a. Map 11: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
218-E-10	218-E-10 Trench	Solid	Varies based on time of disposal	8.00×10 ⁻⁸	–	3.96×10 ⁻⁴	8.53×10 ⁵	–	5.07×10 ⁻³	–
UPR-200-E-23	UPR-200-E-23	Solid	N/A	Site consolidated with Site WIDS ID 218-E-10						
UPR-200-E-24	UPR-200-E-24	Solid	N/A	Site consolidated with Site WIDS ID 218-E-10						
216-B-50	216-B-50 Crib	Liquid	2001	1.26×10 ²	3.04×10 ⁻³	–	1.52	1.23×10 ⁻²	6.60×10 ⁻²	9.34×10 ⁻⁵
216-B-57	216-B-57 Crib	Liquid	2001	1.95×10 ²	9.10×10 ⁻³	–	3.55	3.69×10 ⁻²	1.97×10 ⁻¹	2.80×10 ⁻⁴
UPR-200-E-9	UPR-200-E-9	Liquid	2001	2.55×10 ⁻¹	9.89×10 ⁻³	–	1.03×10 ²	1.20×10 ⁻⁴	1.55×10 ⁻¹	1.99×10 ⁻⁴
216-B-11A & B	216-B-11A & B	Liquid	2001	1.59×10 ¹	2.77×10 ⁻⁴	–	3.04	9.97×10 ⁻⁴	3.25×10 ⁻³	4.54×10 ⁻⁶
216-B-51	216-B-51 French Drain	Liquid	2001	6.24×10 ⁻³	2.42×10 ⁻⁴	–	2.66×10 ⁻²	2.93×10 ⁻⁶	3.80×10 ⁻³	4.87×10 ⁻⁶
218-E-5	218-E-5 Burial Ground	Solid	1986	–	–	–	1.46×10 ²	–	–	–
218-E-5A	218-E-5A Burial Ground	Solid	1986	–	–	–	3.20×10 ²	–	–	–
218-E-2	218-E-2 Burial Ground	Solid	1986	–	–	–	4.85×10 ²	–	–	–
UPR-200-E-79	UPR-200-E-79 Unplanned Release	Liquid	2001	1.82×10 ⁻²	1.07×10 ⁻³	–	8.82	3.84×10 ⁻³	1.25×10 ⁻²	1.75×10 ⁻⁵
UPR-200-E-78	UPR-200-E-78 Unplanned Release	Liquid	2001	5.03×10 ⁻⁵	2.18×10 ⁻⁵	–	1.50×10 ¹	1.60×10 ⁻⁴	8.42×10 ⁻⁴	5.05×10 ⁻⁸
218-E-4	218-E-4 Burial Ground	Solid	1986	–	–	–	1.94×10 ⁻¹	–	–	–
216-B-5	216-B-5 Reverse Well	Liquid	2001	1.07×10 ⁻⁴	1.11×10 ⁻²	–	7.55	1.99×10 ⁻¹	4.25×10 ⁻³	1.88×10 ⁻⁶
216-B-9	216-B-9 Crib	Liquid	2001	1.68×10 ⁻³	1.10×10 ⁻²	–	1.07×10 ¹	2.89×10 ⁻¹	5.74×10 ⁻³	1.32×10 ⁻⁶
216-B-59	216-B-59 Trench	Liquid	2001	7.06×10 ⁻⁸	1.35×10 ⁻⁸	–	8.76×10 ⁻⁸	9.61×10 ⁻⁸	5.15×10 ⁻⁷	3.04×10 ⁻¹⁰
241-B-361	241-B-361 Settling Tank	Liquid	Unknown	–	–	–	3.06×10 ³	–	–	–
UPR-200-E-7	UPR-200-E-7 Unplanned Release	Liquid	2001	1.60×10 ⁻⁶	5.36×10 ⁻⁶	–	5.39×10 ⁻³	1.37×10 ⁻⁴	2.75×10 ⁻⁶	–
221-B	221-B B Plant/Canyon	Solid	1997	–	–	–	1.15×10 ⁵	–	–	–
200-E-28	200-E-28 UPR	Liquid	2001	–	–	–	1.49×10 ⁻²	–	–	–
200-E-97	200-E-97 French Drain	Liquid	2001	4.16×10 ⁻⁵	8.05×10 ⁻⁷	–	9.62×10 ⁻³	1.89×10 ⁻⁶	1.72×10 ⁻⁵	1.71×10 ⁻⁸
200-E-98 ^b	200-E-98 French Drain	Liquid	2001	3.47×10 ⁻⁵	6.71×10 ⁻⁷	–	7.98×10 ⁻³	1.57×10 ⁻⁶	1.43×10 ⁻⁵	1.43×10 ⁻⁸
WESF	WESF (Building 225-B)	Solid	2005	–	–	–	4.97×10 ⁵	–	–	–
216-B-62	216-B-62 Crib	Liquid	2001	3.57×10 ⁻¹	6.47×10 ⁻²	–	8.25×10 ¹	4.59×10 ⁻¹	2.39	1.29×10 ⁻³
216-B-12	216-B-12 Crib	Liquid	2001	2.34×10 ³	9.54×10 ⁻³	–	1.20×10 ²	3.37×10 ⁻²	1.65	1.55×10 ⁻⁴
216-B-55	216-B-55 Crib	Liquid	2001	1.77×10 ⁻⁴	3.40×10 ⁻⁵	–	2.20×10 ⁻⁴	2.41×10 ⁻⁴	1.29×10 ⁻³	7.63×10 ⁻⁷

Table S-51a. Map 11: Radionuclide Inventories (curies) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
212-B	212-B Cask Loading Station	Solid	1997	–	–	–	1.00×10 ³	–	–	–
216-B-60	216-B-60 Crib	Liquid	2001	4.60×10 ⁻⁶	4.51×10 ⁻⁸	–	2.28×10 ⁻³	1.14×10 ⁻⁷	8.14×10 ⁻⁷	1.11×10 ⁻⁵
UPR-200-E-84	UPR-200-E-84 Unplanned Release	Liquid	2001	6.72×10 ⁻²	3.94×10 ⁻⁸	–	1.20×10 ⁻⁴	2.30×10 ⁻⁷	1.21×10 ⁻⁶	3.80×10 ⁻⁶
224-B	224-B Plutonium Concentration Facility	Solid	1985	–	–	–	–	–	–	–
UPR-200-E-87	UPR-200-E-87 Unplanned Release	Liquid	2001	4.59×10 ⁻⁹	1.03×10 ⁻⁵	–	1.65×10 ⁻³	–	9.29×10 ⁻⁷	4.11×10 ⁻¹⁰
UPR-200-E-1 ^b	UPR-200-E-1 Unplanned Release	Liquid	2001	5.90×10 ⁻²	1.95×10 ⁻³	–	5.54	1.96×10 ⁻²	3.13×10 ⁻³	1.54×10 ⁻⁶
UPR-200-E-3 ^b	UPR-200-E-3 Unplanned Release	Liquid	2001	2.02×10 ⁻³	2.68×10 ⁻⁵	–	2.21×10 ⁻²	4.08×10 ⁻⁴	6.68×10 ⁻⁵	5.82×10 ⁻⁷
UPR-200-E-85	UPR-200-E-85 Unplanned Release	Liquid	2001	4.92×10 ⁻²	9.40×10 ⁻³	–	6.24	6.68×10 ⁻²	3.57×10 ⁻¹	2.09×10 ⁻⁴
216-B-4	216-B-4 Reverse Well	Liquid	2001	1.19×10 ⁻⁵	2.30×10 ⁻⁷	–	1.32×10 ⁻³	5.39×10 ⁻⁷	4.90×10 ⁻⁶	4.89×10 ⁻⁹
216-B-6	216-B-6 Reverse Well	Liquid	2001	7.12×10 ⁻³	1.38×10 ⁻⁴	–	7.91×10 ⁻¹	3.23×10 ⁻⁴	2.94×10 ⁻³	2.93×10 ⁻⁶
200-E-30	200-E-30 Sand Filter (291-B Sand Filter)	Solid	1994	–	–	–	3.00×10 ³	–	–	–
200-E-55	200-E-55 French Drain	Liquid	2001	4.08×10 ⁻⁵	7.88×10 ⁻⁷	–	9.51×10 ⁻³	1.85×10 ⁻⁶	1.68×10 ⁻⁵	1.68×10 ⁻⁸
200-E-95	200-E-95 French Drain	Liquid	2001	4.16×10 ⁻⁵	8.05×10 ⁻⁷	–	9.28×10 ⁻³	1.89×10 ⁻⁶	1.72×10 ⁻⁵	1.71×10 ⁻⁸
216-B-10A	216-B-10A Crib	Liquid	2001	6.37×10 ⁻²	2.29×10 ⁻⁴	–	1.32	5.38×10 ⁻⁴	5.35×10 ⁻³	4.87×10 ⁻⁶
216-B-10B	216-B-10B Crib	Liquid	2001	5.11×10 ⁻⁸	1.17×10 ⁻⁹	–	1.04×10 ⁻⁶	5.90×10 ⁻⁹	3.13×10 ⁻⁸	1.64×10 ⁻⁵
UPR-200-E-77	UPR-200-E-77 Unplanned Release	Liquid	2001	4.03×10 ⁻⁴	1.08×10 ⁻⁵	–	8.62×10 ⁻²	1.33×10 ⁻⁷	2.38×10 ⁻⁴	1.05×10 ⁻⁷

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-51b. Map 11: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
218-E-10	218-E-10 Trench	Solid	Varies based on time of disposal	1.02×10 ⁶	–	–	1.10×10 ⁻¹	1.05×10 ⁻³	3.94×10 ⁻³	1.45×10 ⁻³
UPR-200-E-23	UPR-200-E-23	Solid	N/A	Site consolidated with Site WIDS ID 218-E-10						
UPR-200-E-24	UPR-200-E-24	Solid	N/A	Site consolidated with Site WIDS ID 218-E-10						
216-B-50	216-B-50 Crib	Liquid	2001	5.49×10 ¹	–	7.43×10 ⁻⁸	8.59×10 ⁻⁵	2.61×10 ⁻⁴	2.17×10 ⁻²	2.24×10 ⁻³
216-B-57	216-B-57 Crib	Liquid	2001	1.64×10 ²	–	2.23×10 ⁻⁷	2.38×10 ⁻⁴	6.30×10 ⁻⁴	3.65×10 ⁻²	6.73×10 ⁻³
UPR-200-E-9	UPR-200-E-9	Liquid	2001	4.77×10 ²	–	4.03×10 ⁻¹²	8.72×10 ⁻⁴	1.23×10 ⁻³	1.37×10 ⁻¹	6.81×10 ⁻²
216-B-11A & B	216-B-11A & B	Liquid	2001	9.66	–	3.54×10 ⁻¹³	2.85×10 ⁻⁵	3.04×10 ⁻⁵	7.39×10 ⁻³	1.58×10 ⁻³
216-B-51	216-B-51 French Drain	Liquid	2001	3.51×10 ⁻²	–	9.84×10 ⁻¹⁴	2.10×10 ⁻⁵	3.01×10 ⁻⁵	8.81×10 ⁻⁴	1.67×10 ⁻³
218-E-5	218-E-5 Burial Ground	Solid	1986	1.56×10 ²	–	–	4.02×10 ⁻²	–	4.50×10 ¹	–
218-E-5A	218-E-5A Burial Ground	Solid	1986	3.43×10 ²	–	–	4.02×10 ⁻²	–	1.00×10 ²	–
218-E-2	218-E-2 Burial Ground	Solid	1986	5.19×10 ²	–	–	–	–	5.80×10 ¹	–
UPR-200-E-79	UPR-200-E-79 Unplanned Release	Liquid	2001	3.68×10 ¹	–	1.36×10 ⁻¹²	8.07×10 ⁻⁵	1.08×10 ⁻⁴	2.25×10 ⁻²	6.07×10 ⁻³
UPR-200-E-78	UPR-200-E-78 Unplanned Release	Liquid	2001	3.39	–	8.26×10 ⁻¹⁶	3.25×10 ⁻⁶	3.58×10 ⁻⁶	1.12×10 ⁻³	4.38×10 ⁻²
218-E-4	218-E-4 Burial Ground	Solid	1986	2.08×10 ⁻¹	–	–	3.40×10 ⁻⁴	–	7.25×10 ⁻¹	–
216-B-5	216-B-5 Reverse Well	Liquid	2001	8.67	–	4.81×10 ⁻¹⁰	7.13×10 ⁻³	5.71×10 ⁻³	3.97×10 ¹	1.24×10 ⁻¹
216-B-9	216-B-9 Crib	Liquid	2001	1.24×10 ¹	–	2.12×10 ⁻¹⁰	8.34×10 ⁻³	2.73×10 ⁻³	8.80	1.33×10 ⁻¹
216-B-59	216-B-59 Trench	Liquid	2001	5.71×10 ⁻⁵	–	5.39×10 ⁻¹⁴	1.36×10 ⁻¹⁰	1.68×10 ⁻⁹	2.25×10 ⁻⁸	2.56×10 ⁻⁸
241-B-361	241-B-361 Settling Tank	Liquid	Unknown	1.87×10 ²	–	–	–	–	1.53×10 ²	–
UPR-200-E-7	UPR-200-E-7 Unplanned Release	Liquid	2001	6.28×10 ⁻³	–	1.10×10 ⁻¹³	2.97×10 ⁻⁶	1.51×10 ⁻⁶	3.22×10 ⁻³	1.06×10 ⁻⁴
221-B	221-B B Plant/Canyon	Solid	1997	2.37×10 ⁵	–	–	–	–	2.10	–
200-E-28	200-E-28 UPR	Liquid	2001	1.75×10 ⁻³	–	1.71×10 ⁻¹⁶	1.83×10 ⁻⁷	1.13×10 ⁻⁷	3.48×10 ⁻⁵	–
200-E-97	200-E-97 French Drain	Liquid	2001	3.86×10 ⁻²	–	1.05×10 ⁻¹⁵	1.23×10 ⁻⁶	1.47×10 ⁻⁷	3.33×10 ⁻⁵	6.02×10 ⁻⁶
200-E-98 ^b	200-E-98 French Drain	Liquid	2001	3.21×10 ⁻²	–	8.72×10 ⁻¹⁶	1.03×10 ⁻⁶	1.22×10 ⁻⁷	2.77×10 ⁻⁵	5.01×10 ⁻⁶
WESF	WESF (Building 225-B)	Solid	2005	1.72×10 ⁵	–	–	–	–	–	–
216-B-62	216-B-62 Crib	Liquid	2001	9.67×10 ³	–	3.30×10 ⁻⁷	8.43×10 ⁻⁴	9.95×10 ⁻³	2.06×10 ⁻¹	2.24×10 ⁻¹
216-B-12	216-B-12 Crib	Liquid	2001	3.26×10 ²	–	2.93×10 ⁻¹¹	1.02×10 ¹	9.93×10 ⁻⁴	2.15×10 ⁻¹	5.36×10 ⁻²
216-B-55	216-B-55 Crib	Liquid	2001	1.43×10 ⁻¹	–	1.35×10 ⁻¹⁰	3.41×10 ⁻⁷	4.21×10 ⁻⁶	5.64×10 ⁻⁵	6.43×10 ⁻⁵
212-B	212-B Cask Loading Station	Solid	1997	1.00×10 ²	–	–	–	–	–	–
216-B-60	216-B-60 Crib	Liquid	2001	2.79×10 ⁻³	–	1.27×10 ⁻¹⁰	4.87×10 ⁻³	1.74×10 ⁻⁹	8.44×10 ⁻²	2.93×10 ⁻⁶

Table S-51b. Map 11: Radionuclide Inventories (curies) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
UPR-200-E-84	UPR-200-E-84 Unplanned Release	Liquid	2001	4.58×10 ⁻⁵	–	1.51×10 ⁻¹⁵	5.26×10 ⁻⁷	5.17×10 ⁻⁶	1.54×10 ⁻⁴	1.69×10 ⁻⁴
224-B	224-B Plutonium Concentration Facility	Solid	1985	–	–	–	–	–	8.85×10 ¹	1.14×10 ¹
UPR-200-E-87	UPR-200-E-87 Unplanned Release	Liquid	2001	1.89×10 ⁻³	–	9.40×10 ⁻¹³	3.65×10 ⁻⁷	1.12×10 ⁻⁵	2.75	2.41×10 ⁻⁴
UPR-200-E-1 ^b	UPR-200-E-1 Unplanned Release	Liquid	2001	6.36	–	5.86×10 ⁻¹²	4.28×10 ⁻⁴	7.09×10 ⁻⁵	1.15×10 ⁻¹	2.12×10 ⁻³
UPR-200-E-3 ^b	UPR-200-E-3 Unplanned Release	Liquid	2001	1.51×10 ⁻¹	–	1.09×10 ⁻¹³	6.91×10 ⁻⁶	1.54×10 ⁻⁶	1.86×10 ⁻⁵	1.71×10 ⁻⁴
UPR-200-E-85	UPR-200-E-85 Unplanned Release	Liquid	2001	3.73×10 ¹	–	3.81×10 ⁻⁸	9.39×10 ⁻⁵	1.15×10 ⁻³	1.55×10 ⁻²	1.70×10 ⁻²
216-B-4	216-B-4 Reverse Well	Liquid	2001	1.08×10 ⁻²	–	2.90×10 ⁻¹⁶	3.36×10 ⁻⁷	3.02×10 ⁻⁸	6.16×10 ⁻⁶	1.72×10 ⁻⁶
216-B-6	216-B-6 Reverse Well	Liquid	2001	6.50	–	1.74×10 ⁻¹³	2.02×10 ⁻⁴	1.81×10 ⁻⁵	3.69×10 ⁻³	1.03×10 ⁻³
200-E-30	200-E-30 Sand Filter (291-B Sand Filter)	Solid	1994	2.00×10 ³	–	–	–	–	1.93	–
200-E-55	200-E-55 French Drain	Liquid	2001	3.78×10 ⁻²	–	1.03×10 ⁻¹⁵	1.21×10 ⁻⁶	1.45×10 ⁻⁷	3.28×10 ⁻⁵	5.89×10 ⁻⁶
200-E-95	200-E-95 French Drain	Liquid	2001	3.85×10 ⁻²	–	1.04×10 ⁻¹⁵	1.23×10 ⁻⁶	1.44×10 ⁻⁷	3.25×10 ⁻⁵	6.01×10 ⁻⁶
216-B-10A	216-B-10A Crib	Liquid	2001	1.08×10 ¹	–	2.89×10 ⁻¹³	3.26×10 ⁻³	3.02×10 ⁻⁵	6.15×10 ⁻³	1.71×10 ⁻³
216-B-10B	216-B-10B Crib	Liquid	2001	1.30×10 ⁻⁴	–	4.09×10 ⁻¹⁴	9.95×10 ⁻¹¹	1.27×10 ⁻¹⁰	5.32×10 ⁻⁹	3.69×10 ⁻⁹
UPR-200-E-77	UPR-200-E-77 Unplanned Release	Liquid	2001	4.84×10 ⁻¹	–	4.85×10 ⁻¹⁵	2.24×10 ⁻⁵	1.34×10 ⁻⁶	1.49×10 ⁻⁴	2.91×10 ⁻⁵

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-52a. Map 12: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
218-E-12B	218-E-12B Burial Ground	Solid	Varies based on time of disposal	1.12×10^3	1.31×10^2	9.70×10^{-3}	2.69×10^4	5.61×10^{-1}	8.08×10^{-1}	2.94×10^{-3}
218-E-12A	218-E-12A Burial Ground	Solid	1986	–	–	–	1.72×10^1	–	–	–
216-B-63	216-B-63 Ditch	Liquid	2001	1.30×10^2	3.36×10^{-2}	–	6.91×10^{-1}	1.86×10^{-5}	1.66×10^{-2}	5.89×10^{-8}
216-B-2-2	216-B-2-2 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
216-B-2-1	216-B-2-1 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-138	UPR-200-E-138 Unplanned Release	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
218-E-8	218-E-8 Burial Ground	Solid	1986	–	–	–	1.94×10^{-1}	–	–	–
218-E-1	218-E-1 Burial Ground	Solid	1986	–	–	–	1.94	–	–	–
216-B-3	216-B-3 Pond	Liquid	2001	2.01×10^4	9.90×10^1	–	1.34×10^2	4.42×10^{-2}	3.20×10^{-1}	3.20×10^{-3}
216-B-3A Pond / 216-B-3A RAD	216-B-3A Pond / 216-B-3A RAD	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
216-B-3B Pond / 216-B-3B-RAD	216-B-3B Pond / 216-B-3B-RAD	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
216-B-3C Pond / 216-B-3C RAD	216-B-3C Pond / 216-B-3C RAD	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-14	Unplanned Release UPR-200-E-14	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-34	Unplanned Release UPR-200-E-34	Liquid	N/A	Site consolidated with Site WIDS ID 216-A-25 and 216-B-3						
N/A	Greater-Than-Class C Proposed Disposal Facility	Solid	N/A	2.41×10^5	3.34×10^4	–	1.62×10^5	–	6.57×10^3	6.78

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-52b. Map 12: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
218-E-12B	218-E-12B Burial Ground	Solid	Varies based on time of disposal	2.69×10 ⁴	–	–	4.59×10 ⁻²	3.99×10 ⁻⁶	3.13×10 ⁻¹	1.91
218-E-12A	218-E-12A Burial Ground	Solid	1986	1.84×10 ¹	–	–	3.32×10 ⁻¹	–	6.48×10 ²	–
216-B-63	216-B-63 Ditch	Liquid	2001	9.33×10 ⁻²	–	1.24×10 ⁻¹¹	1.20×10 ⁻¹	1.04×10 ⁻⁴	1.95×10 ⁻²	4.38×10 ²
216-B-2-2	216-B-2-2 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
216-B-2-1	216-B-2-1 Ditch	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-138	UPR-200-E-138 Unplanned Release	Liquid	N/A	Site consolidated with Site WIDS ID 216-B-3						
218-E-8	218-E-8 Burial Ground	Solid	1986	2.08×10 ⁻¹	–	–	6.70×10 ⁻⁴	–	1.45	–
218-E-1	218-E-1 Burial Ground	Solid	1986	2.08	–	–	1.34×10 ⁻¹	–	6.53×10 ¹	–
216-B-3	216-B-3 Pond	Liquid	2001	4.26×10 ²	–	1.63×10 ⁻⁸	2.22	8.66×10 ⁻²	2.43×10 ¹	1.19×10 ¹
216-B-3A Pond / 216-B-3A RAD	216-B-3A Pond / 216-B-3A RAD	Liquid	1994	Site consolidated with Site WIDS ID 216-B-3						
216-B-3B Pond / 216-B-3B-RAD	216-B-3B Pond / 216-B-3B-RAD	Liquid	1994	Site consolidated with Site WIDS ID 216-B-3						
216-B-3C Pond / 216-B-3C RAD	216-B-3C Pond / 216-B-3C RAD	Liquid	1994	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-14	Unplanned Release UPR-200-E-14	Liquid	1994	Site consolidated with Site WIDS ID 216-B-3						
UPR-200-E-34	Unplanned Release UPR-200-E-34	Liquid	1994	Site consolidated with Site WIDS ID 216-A-25 and 216-B-3						
N/A	Greater-Than-Class C Proposed Disposal Facility	Solid	N/A	1.89×10 ⁶	–	–	8.83×10 ²	2.71	2.22×10 ⁴	1.62×10 ⁵

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-53a. Map 12A: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-C-9	216-C-9 Swamp	Liquid	2001	8.28×10^{-3}	2.44×10^{-4}	–	1.31	1.89×10^{-4}	1.01×10^{-3}	5.97×10^{-7}
218-C-9	218-C-9 Burial Ground	Solid	Varies based on time of disposal	–	–	–	1.27×10^1	–	–	–
UPR-200-E-141 ^b	UPR-200-E-141	Liquid	2001	6.50×10^{-3}	–	–	–	–	2.77×10^{-5}	–
200-E-56 ^b	200-E-56 Unplanned Release	Liquid	2001	2.47×10^{-2}	1.07×10^{-2}	–	7.38×10^3	7.87×10^{-2}	4.13×10^{-1}	2.47×10^{-5}
201-C	201-C Process Building	Liquid/ solid	1988	–	–	–	9.00×10^3	–	–	–
216-C-1	216-C-1 Hot Semi Work Crib	Liquid	2001	1.95×10^{-4}	7.11×10^{-5}	–	4.88×10^1	5.22×10^{-4}	2.74×10^{-3}	7.70×10^{-6}
216-C-3	216-C-3 Hot Semi Work Crib	Liquid	2001	7.92×10^1	1.42×10^{-5}	–	9.78	1.04×10^{-4}	6.96×10^{-4}	3.27×10^{-8}
216-C-4	216-C-4 Hot Semi Work Crib	Liquid	2001	1.68×10^{-4}	1.22×10^{-5}	–	7.40	1.56×10^{-4}	8.05×10^{-4}	4.95×10^{-8}
216-C-5	216-C-5 Hot Semi Work Crib	Liquid	2001	–	–	–	–	–	–	–
216-C-6	216-C-6 Hot Semi Work Crib	Liquid	2001	1.25×10^1	3.29×10^{-5}	–	2.07×10^1	5.70×10^{-4}	2.84×10^{-3}	1.33×10^{-7}
216-C-10	216-C-10 Hot Semi Work Crib	Liquid	2001	6.54×10^{-5}	2.83×10^{-5}	–	1.96×10^1	2.08×10^{-4}	1.09×10^{-3}	6.55×10^{-8}
216-C-2	216-C-2 Semi Works Reverse Well	Liquid	2001	–	–	–	8.00×10^{-2}	–	–	–
200-E-57 ^b	200-E-57 Unplanned Release	Liquid	2001	3.71×10^{-2}	1.60×10^{-2}	–	1.11×10^4	1.18×10^{-1}	6.21×10^{-1}	3.71×10^{-5}
241-CX-72	241-CX-72 Storage Tank and Vault	Liquid/ solid	1986	–	–	–	–	–	–	–
291-C-1	291-C-1 Burial Ground	Solid	Varies based on time of disposal	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-53b. Map 12A: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-C-9	216-C-9 Swamp	Liquid	2001	2.67×10 ⁻¹	–	1.06×10 ⁻¹⁰	3.30×10 ⁻⁵	1.93×10 ⁻⁵	2.97×10 ⁻³	2.99×10 ⁻⁴
218-C-9	218-C-9 Burial Ground	Solid	Varies based on time of disposal	7.50	–	–	–	–	–	–
UPR-200-E-141 ^b	UPR-200-E-141	Liquid	2001	–	–	–	1.22×10 ⁻⁴	–	–	–
200-E-56 ^b	200-E-56 Unplanned Release	Liquid	2001	1.66×10 ³	–	4.04×10 ⁻¹³	1.59×10 ⁻³	1.75×10 ⁻³	5.48×10 ⁻¹	2.14×10 ¹
201-C	201-C Process Building	Liquid/ solid	1988	–	–	–	–	–	4.90	2.00×10 ⁻¹
216-C-1	216-C-1 Hot Semi Work Crib	Liquid	2001	1.10×10 ¹	–	8.76×10 ⁻¹⁰	6.42×10 ⁻¹	1.16×10 ⁻⁵	5.99×10 ⁻¹	1.42×10 ⁻¹
216-C-3	216-C-3 Hot Semi Work Crib	Liquid	2001	2.20	–	9.09×10 ⁻¹⁵	3.06×10 ⁻³	3.25×10 ⁻⁶	8.83×10 ⁻⁴	2.84×10 ⁻²
216-C-4	216-C-4 Hot Semi Work Crib	Liquid	2001	5.08×10 ⁻⁴	–	2.08×10 ⁻¹⁵	2.24×10 ⁻⁶	2.51×10 ⁻⁶	7.50×10 ⁻⁴	7.68×10 ⁻³
216-C-5	216-C-5 Hot Semi Work Crib	Liquid	2001	–	–	–	1.40×10 ⁻²	–	–	–
216-C-6	216-C-6 Hot Semi Work Crib	Liquid	2001	3.88×10 ⁻¹	–	6.56×10 ⁻¹³	1.47×10 ⁻³	1.36×10 ⁻⁴	2.49×10 ⁻²	2.10×10 ⁻²
216-C-10	216-C-10 Hot Semi Work Crib	Liquid	2001	4.40	–	1.12×10 ⁻¹⁵	4.45×10 ⁻⁶	4.84×10 ⁻⁶	1.50×10 ⁻³	5.67×10 ⁻²
216-C-2	216-C-2 Semi Works Reverse Well	Liquid	2001	9.43×10 ⁻³	–	3.70×10 ⁻¹⁶	8.85×10 ⁻⁷	6.72×10 ⁻⁷	1.87×10 ⁻⁴	–
200-E-57 ^b	200-E-57 Unplanned Release	Liquid	2001	2.49×10 ³	–	6.07×10 ⁻¹³	2.39×10 ⁻³	2.62×10 ⁻³	8.22×10 ⁻¹	3.22×10 ¹
241-CX-72	241-CX-72 Storage Tank and Vault	Liquid/ solid	1986	–	–	–	–	–	3.00	–
291-C-1	291-C-1 Burial Ground	Solid	Varies based on time of disposal	–	–	–	–	–	1.00×10 ²	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-54a. Map 12B: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
UPR-200-E-86	UPR-200-E-86	Liquid	2001	7.21×10 ⁻¹	1.31×10 ⁻¹	–	1.69×10 ²	9.34×10 ⁻¹	4.92	2.61×10 ⁻³
216-A-40	216-A-40 Trench	Liquid	2001	1.40×10 ⁻⁷	2.69×10 ⁻⁸	–	1.73×10 ⁻⁷	1.91×10 ⁻⁷	1.02×10 ⁻⁶	6.04×10 ⁻¹⁰
216-A-41	216-A-41 Crib	Liquid	2001	1.04×10 ⁻¹	8.93×10 ⁻⁹	–	7.44×10 ⁻⁶	9.43×10 ⁻⁸	4.93×10 ⁻⁷	1.68×10 ⁻⁶
216-A-9	216-A-9 Crib	Liquid	2001	8.07×10 ²	1.17	–	6.81	3.21×10 ⁻⁴	2.30×10 ⁻³	1.22×10 ⁻³
216-A-3	216-A-3 Crib	Liquid	2001	4.13×10 ¹	4.04×10 ⁻⁷	–	2.08×10 ⁻²	1.01×10 ⁻⁶	2.73×10 ⁻¹	–
216-A-39	216-A-39 Crib	Liquid	2001	2.36×10 ⁻⁴	5.96×10 ⁻⁵	–	4.96×10 ⁻²	6.46×10 ⁻⁴	3.39×10 ⁻³	2.04×10 ⁻⁷
216-A-18	216-A-18 Trench	Liquid	2001	–	–	–	–	–	–	–
216-A-1	216-A-1 Crib	Liquid	2001	–	–	–	–	–	–	–
216-A-7	216-A-7 Crib	Liquid	2001	2.33×10 ⁻¹	3.15×10 ⁻³	–	1.02×10 ¹	3.54×10 ⁻¹	6.39×10 ⁻²	4.19×10 ⁻⁵
UPR-200-E-145	UPR-200-E-145	Liquid	2001	1.95×10 ⁻¹	–	–	–	–	8.31×10 ⁻⁴	–
216-A-16	216-A-16 French Drain	Liquid	2001	3.32×10 ⁻⁷	7.60×10 ⁻⁹	–	6.75×10 ⁻⁶	3.83×10 ⁻⁸	2.03×10 ⁻⁷	3.90×10 ⁻¹⁰
216-A-17	216-A-17 French Drain	Liquid	2001	1.63×10 ⁻⁷	3.73×10 ⁻⁹	–	3.32×10 ⁻⁶	1.89×10 ⁻⁸	1.00×10 ⁻⁷	1.92×10 ⁻¹⁰
242-A	242-A Evaporator	Liquid	1998	–	–	–	2.18×10 ⁴	–	–	–
216-A-22	216-A-22 Crib (French Drain)	Liquid	2001	7.97×10 ⁻²	9.13×10 ⁻⁹	–	5.63×10 ⁻¹⁰	–	4.89×10 ⁻⁴	1.29×10 ⁻¹⁰
216-A-28	216-A-28 French Drain	Liquid	2001	3.66×10 ⁻¹	–	–	–	–	2.48×10 ⁻³	–
216-A-32	216-A-32 Crib	Liquid	2001	1.09×10 ⁻⁸	2.49×10 ⁻¹⁰	–	2.22×10 ⁻⁷	1.26×10 ⁻⁹	6.67×10 ⁻⁹	1.28×10 ⁻¹¹
200-E-78	200-E-78 Reverse Well	Liquid	2001	–	7.17×10 ⁻⁷	–	4.42×10 ⁻⁸	–	–	1.01×10 ⁻⁸

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-54b. Map 12B: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
UPR-200-E-86	UPR-200-E-86	Liquid	2001	1.98×10 ⁴	–	6.75×10 ⁻⁷	1.71×10 ⁻³	2.02×10 ⁻²	4.20×10 ⁻¹	4.58×10 ⁻¹
216-A-40	216-A-40 Trench	Liquid	2001	1.13×10 ⁻⁴	–	1.07×10 ⁻¹³	2.70×10 ⁻¹⁰	3.32×10 ⁻⁹	4.45×10 ⁻⁸	5.08×10 ⁻⁸
216-A-41	216-A-41 Crib	Liquid	2001	7.01×10 ⁻⁵	–	1.78×10 ⁻¹⁴	2.34×10 ⁻⁷	2.51×10 ⁻⁶	6.88×10 ⁻⁵	7.40×10 ⁻⁵
216-A-9	216-A-9 Crib	Liquid	2001	7.84	–	3.74×10 ⁻⁷	1.42×10 ¹	1.30×10 ⁻³	2.48×10 ²	1.02×10 ⁻¹
216-A-3	216-A-3 Crib	Liquid	2001	2.45×10 ⁻²	–	1.17×10 ⁻⁹	1.78	1.52×10 ⁻⁸	1.32×10 ⁻⁴	2.69×10 ⁻⁵
216-A-39	216-A-39 Crib	Liquid	2001	1.45×10 ¹	–	4.08×10 ⁻¹⁵	4.27×10 ⁻⁷	9.14×10 ⁻⁶	1.25×10 ⁻⁴	1.35×10 ⁻⁴
216-A-18	216-A-18 Trench	Liquid	2001	–	–	–	4.59×10 ⁻¹	–	–	–
216-A-1	216-A-1 Crib	Liquid	2001	–	–	–	9.28×10 ⁻²	–	–	–
216-A-7	216-A-7 Crib	Liquid	2001	2.99×10 ³	–	6.66×10 ⁻¹¹	3.32×10 ⁻¹	3.14×10 ⁻³	7.59×10 ⁻¹	1.85×10 ⁻¹
UPR-200-E-145	UPR-200-E-145	Liquid	2001	–	–	–	3.66×10 ⁻³	–	–	–
216-A-16	216-A-16 French Drain	Liquid	2001	8.43×10 ⁻⁴	–	2.65×10 ⁻¹³	6.46×10 ⁻¹⁰	8.23×10 ⁻¹⁰	3.45×10 ⁻⁸	2.39×10 ⁻⁸
216-A-17	216-A-17 French Drain	Liquid	2001	4.15×10 ⁻⁴	–	1.31×10 ⁻¹³	3.18×10 ⁻¹⁰	4.04×10 ⁻¹⁰	1.70×10 ⁻⁸	1.18×10 ⁻⁸
242-A	242-A Evaporator	Liquid	1998	1.49×10 ⁵	–	–	–	–	1.58×10 ¹	9.90×10 ¹
216-A-22	216-A-22 Crib (French Drain)	Liquid	2001	–	–	2.63×10 ⁻¹⁷	3.11×10 ⁻³	2.42×10 ⁻⁹	3.67×10 ⁻⁷	4.68×10 ⁻¹²
216-A-28	216-A-28 French Drain	Liquid	2001	–	–	–	4.42×10 ⁻¹	–	–	–
216-A-32	216-A-32 Crib	Liquid	2001	2.77×10 ⁻⁵	–	8.71×10 ⁻¹⁵	2.12×10 ⁻¹¹	2.70×10 ⁻¹¹	1.13×10 ⁻⁹	7.86×10 ⁻¹⁰
200-E-78	200-E-78 Reverse Well	Liquid	2001	–	–	3.67×10 ⁻¹⁵	6.85×10 ⁻⁶	8.34×10 ⁻⁸	2.46×10 ⁻⁵	3.68×10 ⁻¹⁰

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-55a. Map 12C: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
UPR-200-E-51	UPR-200-E-51	Liquid		Site consolidated with Site WIDS ID 216-A-29						
216-A-24	216-A-24 Crib	Liquid	2001	8.80×10 ³	3.03	–	1.75	4.75×10 ⁻²	8.57×10 ⁻³	5.64×10 ⁻⁶
216-A-6	216-A-6 Crib	Liquid	2001	1.16×10 ³	1.32×10 ⁻²	–	2.09	3.99×10 ⁻³	2.10×10 ⁻²	7.30×10 ⁻²
216-A-19	216-A-19 Trench	Liquid	2001	–	–	–	–	–	–	–
216-A-20	216-A-20 Trench	Liquid	2001	2.33	3.37×10 ⁻³	–	4.15×10 ⁻⁴	–	–	–
216-A-8	216-A-8 Crib	Liquid	2001	2.46×10 ⁴	3.53	–	8.65	2.85×10 ⁻¹	5.15×10 ⁻²	3.74×10 ⁻⁵
216-A-29 ^b	216-A-29 Ditch	Liquid	Unknown	–	–	–	–	–	–	–
216-A-30	216-A-30 Crib	Liquid	2001	1.81×10 ⁻²	2.89×10 ⁻²	–	1.10	1.21×10 ⁻⁴	7.39×10 ⁻⁴	8.91×10 ⁻³
216-A-37-1	216-A-37-1 Crib	Liquid	2001	5.92×10 ²	1.50	–	1.85×10 ⁻¹	–	–	–
216-A-37-2	216-A-37-2 Crib	Liquid	2001	9.51	4.53×10 ⁻¹	–	5.56×10 ⁻²	–	–	5.44×10 ⁻⁵

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-55b. Map 12C: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
UPR-200-E-51	UPR-200-E-51	Liquid		Site consolidated with Site WIDS ID 216-A-29						
216-A-24	216-A-24 Crib	Liquid	2001	4.01×10 ²	–	2.03×10 ⁻¹¹	5.14×10 ⁻²	2.27×10 ⁻³	4.40×10 ⁻¹	2.98×10 ⁻¹
216-A-6	216-A-6 Crib	Liquid	2001	1.10	–	9.53×10 ⁻¹⁰	1.45×10 ⁻¹	9.19×10 ⁻²	3.61	2.94
216-A-19	216-A-19 Trench	Liquid	2001	–	–	–	2.93×10 ¹	–	–	–
216-A-20	216-A-20 Trench	Liquid	2001	–	–	5.44×10 ⁻¹⁷	4.18×10 ⁻¹	2.13×10 ⁻⁶	3.23×10 ⁻⁴	2.70×10 ⁻⁴
216-A-8	216-A-8 Crib	Liquid	2001	2.41×10 ³	–	1.22×10 ⁻¹⁰	3.10×10 ⁻¹	3.77×10 ⁻³	1.13	5.18×10 ⁻¹
216-A-29 ^b	216-A-29 Ditch	Liquid	Unknown	–	–	–	–	–	–	–
216-A-30	216-A-30 Crib	Liquid	2001	2.80	–	6.18×10 ⁻⁸	2.58	3.31×10 ⁻³	4.14×10 ¹	1.47×10 ⁻³
216-A-37-1	216-A-37-1 Crib	Liquid	2001	–	–	1.23×10 ⁻¹³	1.59×10 ⁻⁴	4.31×10 ⁻⁴	1.57×10 ⁻¹	1.20×10 ⁻¹
216-A-37-2	216-A-37-2 Crib	Liquid	2001	–	–	3.73×10 ⁻¹¹	3.97×10 ⁻²	5.76×10 ⁻⁴	1.78×10 ⁻¹	3.60×10 ⁻²

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was consolidated with another site for purposes of modeling.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-56a. Map 12D: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
216-A-13	216-A-13 French Drain	Liquid	2001	2.72×10 ⁻⁸	6.23×10 ⁻¹⁰	–	5.54×10 ⁻⁷	3.14×10 ⁻⁹	1.67×10 ⁻⁸	3.20×10 ⁻¹¹
200-E-61	200-E-61 Reverse Well	Liquid	2001	4.90×10 ⁻⁶	1.12×10 ⁻⁷	–	9.96×10 ⁻⁵	5.65×10 ⁻⁷	3.00×10 ⁻⁶	5.75×10 ⁻⁹
200-E-136	200-E-136 PUREX Plant (202-A and others)	Solid	2003	–	–	–	8.92×10 ³	–	–	6.21×10 ⁻³
UPR-200-E-39	UPR-200-E-39 (at 216-A-36B)	Liquid	2001	1.43×10 ⁻¹	–	–	1.12	1.55×10 ⁻⁴	6.90×10 ⁻⁴	–
UPR-200-E-40	UPR-200-E-40	Liquid	2001	1.10×10 ⁻²	–	–	8.64×10 ⁻²	1.20×10 ⁻⁵	5.33×10 ⁻⁵	–
200-E-85	200-E-85 Reverse Well	Liquid	2001	3.87×10 ⁻⁶	8.88×10 ⁻⁸	–	7.88×10 ⁻⁵	4.48×10 ⁻⁷	2.37×10 ⁻⁶	4.56×10 ⁻⁹
216-A-35	216-A-35 French Drain	Liquid	2001	2.72×10 ⁻⁸	6.22×10 ⁻¹⁰	–	5.53×10 ⁻⁷	3.14×10 ⁻⁹	1.67×10 ⁻⁸	3.20×10 ⁻¹¹
200-E-54	200-E-54 Unplanned Release	Liquid	2001	5.45×10 ⁻⁷	1.25×10 ⁻⁸	–	1.11×10 ⁻⁵	6.29×10 ⁻⁸	3.34×10 ⁻⁷	6.42×10 ⁻¹⁰
200-E-103	200-E-103 PUREX Stabilized Area	Liquid	2001	1.09×10 ⁻⁸	2.49×10 ⁻¹⁰	–	2.21×10 ⁻⁷	1.26×10 ⁻⁹	6.66×10 ⁻⁹	1.28×10 ⁻¹¹
UPR-200-E-117 ^b	UPR-200-E-117	Liquid	2001	3.54×10 ⁻³	6.36×10 ⁻⁴	–	8.21×10 ⁻¹	4.51×10 ⁻³	2.39×10 ⁻²	1.27×10 ⁻⁵
216-A-2	216-A-2 Crib	Liquid	2001	1.40×10 ⁻³	2.21×10 ⁻³	–	8.92×10 ⁻¹	1.49×10 ⁻¹	2.70×10 ⁻²	1.76×10 ⁻⁵
216-A-26	216-A-26 French Drain	Liquid	2001	1.05×10 ⁻⁸	2.40×10 ⁻¹⁰	–	2.14×10 ⁻⁷	1.21×10 ⁻⁹	6.43×10 ⁻⁹	1.23×10 ⁻¹¹
216-A-26A	216-A-26A French Drain	Liquid	2001	2.72×10 ⁻⁹	6.23×10 ⁻¹¹	–	5.54×10 ⁻⁸	3.14×10 ⁻¹⁰	1.67×10 ⁻⁹	3.20×10 ⁻¹²
216-A-15	216-A-15 French Drain	Liquid	2001	–	3.90×10 ⁻⁵	–	2.40×10 ⁻⁶	–	–	5.51×10 ⁻⁷
200-E-107	200-E-107 Unplanned Release	Liquid	2001	7.28×10 ⁻⁹	1.67×10 ⁻¹⁰	–	1.49×10 ⁻⁷	8.41×10 ⁻¹⁰	4.47×10 ⁻⁹	2.34×10 ⁻⁶
218-E-14	218-E-14 PUREX Tunnel 1	Solid	1990	–	–	–	8.45×10 ²	–	–	–
218-E-15	218-E-15 PUREX Tunnel 2	Solid	1990	–	–	–	–	–	–	–
216-A-4	216-A-4 Crib	Liquid	2001	6.45×10 ¹	8.02×10 ⁻⁵	–	4.14	1.99×10 ⁻⁴	5.72×10 ⁻¹	–
216-A-5	216-A-5 Crib	Liquid	2001	1.71×10 ⁴	9.98×10 ⁻³	–	3.03×10 ¹	5.82×10 ⁻²	3.07×10 ⁻¹	9.63×10 ⁻¹
216-A-10	216-A-10 Crib	Liquid	2001	5.78×10 ⁴	1.11×10 ⁻²	–	1.84×10 ¹	9.36×10 ⁻²	4.89×10 ⁻¹	1.73
216-A-21	216-A-21 Crib	Liquid	2001	4.95×10 ¹	–	–	6.06	1.69×10 ⁻³	7.53×10 ⁻³	–
216-A-27	216-A-27 Crib	Liquid	2001	5.01×10 ⁻²	4.82×10 ⁻⁴	–	2.48×10 ¹	1.21×10 ⁻³	8.61×10 ⁻³	7.40×10 ⁻⁸
216-A-31	216-A-31 Crib	Liquid	2001	5.52×10 ⁻⁴	3.51×10 ⁻⁴	–	1.27	4.40×10 ⁻²	7.93×10 ⁻³	5.20×10 ⁻⁶
216-A-36-A	216-A-36A Crib	Liquid	2001	1.00×10 ²	–	–	7.89×10 ²	1.10×10 ⁻¹	4.89×10 ⁻¹	–
216-A-36-B	216-A-36B Crib	Liquid	2001	2.00×10 ²	–	–	2.75×10 ²	1.43×10 ⁻²	6.33×10 ⁻²	8.64×10 ⁻³
216-A-45	216-A-45 Crib	Liquid	2001	3.22×10 ³	3.96×10 ⁻⁵	–	6.99×10 ⁻²	1.20×10 ⁻³	5.84×10 ⁻³	3.26×10 ⁻²

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; PUREX=Plutonium-Uranium Extraction; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-56b. Map 12D: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
216-A-13	216-A-13 French Drain	Liquid	2001	6.92×10 ⁻⁵	–	2.18×10 ⁻¹⁴	5.30×10 ⁻¹¹	6.75×10 ⁻¹¹	2.83×10 ⁻⁹	1.96×10 ⁻⁹
200-E-61	200-E-61 Reverse Well	Liquid	2001	1.24×10 ⁻²	–	3.92×10 ⁻¹²	9.53×10 ⁻⁹	1.21×10 ⁻⁸	5.09×10 ⁻⁷	3.53×10 ⁻⁷
200-E-136	200-E-136 PUREX Plant (202-A and others)	Solid	2003	1.10×10 ⁴	–	–	–	–	4.78×10 ²	4.91×10 ²
UPR-200-E-39	UPR-200-E-39 (at 216-A-36B)	Liquid	2001	9.73×10 ⁻¹	–	6.45×10 ⁻¹⁴	1.63×10 ⁻⁴	8.47×10 ⁻⁶	4.75×10 ⁻³	3.43×10 ⁻³
UPR-200-E-40	UPR-200-E-40	Liquid	2001	7.54×10 ⁻²	–	4.99×10 ⁻¹⁵	1.26×10 ⁻⁵	6.56×10 ⁻⁷	3.71×10 ⁻⁴	2.60×10 ⁻⁴
200-E-85	200-E-85 Reverse Well	Liquid	2001	9.85×10 ⁻³	–	3.10×10 ⁻¹²	7.55×10 ⁻⁹	9.61×10 ⁻⁹	4.03×10 ⁻⁷	2.80×10 ⁻⁷
216-A-35	216-A-35 French Drain	Liquid	2001	6.91×10 ⁻⁵	–	2.18×10 ⁻¹⁴	5.29×10 ⁻¹¹	6.74×10 ⁻¹¹	2.83×10 ⁻⁹	1.96×10 ⁻⁹
200-E-54	200-E-54 Unplanned Release	Liquid	2001	1.39×10 ⁻³	–	4.36×10 ⁻¹³	1.06×10 ⁻⁹	1.35×10 ⁻⁹	5.67×10 ⁻⁸	3.93×10 ⁻⁸
200-E-103	200-E-103 PUREX Stabilized Area	Liquid	2001	2.76×10 ⁻⁵	–	8.70×10 ⁻¹⁵	2.12×10 ⁻¹¹	2.70×10 ⁻¹¹	1.13×10 ⁻⁹	7.85×10 ⁻¹⁰
UPR-200-E-117 ^b	UPR-200-E-117	Liquid	2001	9.64×10 ¹	–	3.23×10 ⁻⁹	8.35×10 ⁻⁶	9.85×10 ⁻⁵	2.03×10 ⁻³	2.24×10 ⁻³
216-A-2	216-A-2 Crib	Liquid	2001	1.86	–	2.86×10 ⁻¹¹	1.54×10 ⁻¹	6.23×10 ⁻²	9.47	1.76×10 ⁻¹
216-A-26	216-A-26 French Drain	Liquid	2001	2.67×10 ⁻⁵	–	8.40×10 ⁻¹⁵	2.04×10 ⁻¹¹	2.60×10 ⁻¹¹	1.09×10 ⁻⁹	7.57×10 ⁻¹⁰
216-A-26A	216-A-26A French Drain	Liquid	2001	6.92×10 ⁻⁶	–	2.18×10 ⁻¹⁵	5.30×10 ⁻¹²	6.75×10 ⁻¹²	2.83×10 ⁻¹⁰	1.96×10 ⁻¹⁰
216-A-15	216-A-15 French Drain	Liquid	2001	–	–	8.73×10 ⁻¹⁴	3.43×10 ⁻⁴	5.84×10 ⁻⁶	1.31×10 ⁻³	2.00×10 ⁻⁸
200-E-107	200-E-107 Unplanned Release	Liquid	2001	1.85×10 ⁻⁵	–	5.85×10 ⁻¹⁵	1.42×10 ⁻¹¹	1.81×10 ⁻¹¹	7.60×10 ⁻¹⁰	5.26×10 ⁻¹⁰
218-E-14	218-E-14 PUREX Tunnel 1	Solid	1990	9.45×10 ²	–	–	–	–	–	–
218-E-15	218-E-15 PUREX Tunnel 2	Solid	1990	–	–	–	–	–	4.74×10 ¹	–
216-A-4	216-A-4 Crib	Liquid	2001	4.86	–	2.32×10 ⁻⁷	3.71	3.02×10 ⁻⁶	1.47	5.35×10 ⁻³
216-A-5	216-A-5 Crib	Liquid	2001	1.16×10 ¹	–	3.84×10 ⁻¹⁰	1.33×10 ⁻¹	1.31	3.91×10 ¹	4.30×10 ¹
216-A-10	216-A-10 Crib	Liquid	2001	2.84×10 ¹	–	6.37×10 ⁻⁹	2.50×10 ⁻¹	2.50	6.99×10 ¹	7.53×10 ¹
216-A-21	216-A-21 Crib	Liquid	2001	6.37×10 ¹	–	2.69×10 ⁻¹¹	1.34×10 ⁻¹	2.37×10 ⁻²	5.74	4.61
216-A-27	216-A-27 Crib	Liquid	2001	2.94×10 ¹	–	1.39×10 ⁻⁶	4.99×10 ⁻¹	1.83×10 ⁻⁵	8.76	3.21×10 ⁻²
216-A-31	216-A-31 Crib	Liquid	2001	3.71×10 ²	–	8.27×10 ⁻¹²	4.12×10 ⁻²	3.89×10 ⁻⁴	9.43×10 ⁻²	2.29×10 ⁻²
216-A-36-A	216-A-36A Crib	Liquid	2001	6.87×10 ²	–	4.55×10 ⁻¹¹	1.15×10 ⁻¹	5.96×10 ⁻³	3.39	2.40
216-A-36-B	216-A-36B Crib	Liquid	2001	2.92×10 ²	–	9.58×10 ⁻¹¹	1.02×10 ⁻¹	2.43×10 ⁻⁴	7.49×10 ⁻²	2.26×10 ⁻¹
216-A-45	216-A-45 Crib	Liquid	2001	1.59	–	7.82×10 ⁻¹⁰	6.52×10 ⁻³	4.35×10 ⁻²	1.18	1.25

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; PUREX=Plutonium-Uranium Extraction; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-57a. Map 13: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
2101-M Pond	2101-M Pond	Liquid	2001	1.50×10 ⁻¹	3.25×10 ⁻³	–	1.69×10 ⁻⁴	–	–	1.43×10 ⁻⁵
216-B-54	216-B-54 Trench	Liquid	2001	1.04×10 ⁻²	2.62×10 ⁻²	–	5.19	2.50×10 ⁻⁴	1.79×10 ⁻³	–
216-B-14	216-B-14 Crib	Liquid	2001	5.41×10 ¹	2.10	–	5.95×10 ²	2.54×10 ⁻²	3.29×10 ¹	4.23×10 ⁻²
216-B-15	216-B-15 Crib	Liquid	2001	3.94×10 ¹	1.53	–	1.68×10 ²	1.85×10 ⁻²	2.40×10 ¹	3.08×10 ⁻²
216-B-16	216-B-16 Crib	Liquid	2001	3.50×10 ¹	1.31	–	1.45×10 ²	5.02×10 ⁻¹	1.97×10 ¹	2.98×10 ⁻²
216-B-17	216-B-17 Crib	Liquid	2001	2.13×10 ¹	7.41×10 ⁻¹	–	8.29×10 ¹	9.90×10 ⁻¹	9.84	2.17×10 ⁻²
216-B-18	216-B-18 Crib	Liquid	2001	5.31×10 ¹	2.06	–	2.27×10 ²	2.50×10 ⁻²	3.24×10 ¹	4.15×10 ⁻²
216-B-19	216-B-19 Crib	Liquid	2001	3.97×10 ¹	1.43	–	1.59×10 ²	1.29	2.01×10 ¹	3.75×10 ⁻²
216-B-20	216-B-20 Trench	Liquid	2001	2.92×10 ¹	1.06	–	3.07×10 ²	8.33×10 ⁻¹	1.52×10 ¹	2.70×10 ⁻²
216-B-21	216-B-21 Trench	Liquid	2001	2.91×10 ¹	1.11	–	1.23×10 ²	2.06×10 ⁻¹	1.71×10 ¹	2.38×10 ⁻²
216-B-22	216-B-22 Trench	Liquid	2001	2.96×10 ¹	1.10	–	1.22×10 ²	5.43×10 ⁻¹	1.63×10 ¹	2.58×10 ⁻²
216-B-23	216-B-23 Trench	Liquid	2001	2.82×10 ¹	1.05	–	1.16×10 ²	5.31×10 ⁻¹	1.55×10 ¹	2.47×10 ⁻²
216-B-24	216-B-24 Trench	Liquid	2001	3.04×10 ¹	1.18	–	1.30×10 ²	1.43×10 ⁻²	1.85×10 ¹	2.37×10 ⁻²
216-B-25	216-B-25 Trench	Liquid	2001	3.06×10 ¹	1.19	–	1.31×10 ²	1.44×10 ⁻²	1.87×10 ¹	2.39×10 ⁻²
216-B-26	216-B-26 Trench	Liquid	2001	2.96×10 ¹	1.15	–	4.88×10 ²	1.39×10 ⁻²	1.80×10 ¹	2.31×10 ⁻²
216-B-27	216-B-27 Trench	Liquid	2001	2.76×10 ¹	1.07	–	1.18×10 ²	1.30×10 ⁻²	1.68×10 ¹	2.15×10 ⁻²
216-B-28	216-B-28 Trench	Liquid	2001	3.15×10 ¹	1.18	–	1.30×10 ²	5.12×10 ⁻¹	1.76×10 ¹	2.72×10 ⁻²
216-B-29	216-B-29 Trench	Liquid	2001	3.01×10 ¹	1.17	–	2.49×10 ²	1.42×10 ⁻²	1.84×10 ¹	2.35×10 ⁻²
216-B-30	216-B-30 Trench	Liquid	2001	2.99×10 ¹	1.07	–	1.19×10 ²	1.02	1.50×10 ¹	2.85×10 ⁻²
216-B-31	216-B-31 Trench	Liquid	2001	3.03×10 ¹	1.09	–	1.21×10 ²	1.02	1.52×10 ¹	2.88×10 ⁻²
216-B-32	216-B-32 Trench	Liquid	2001	2.97×10 ¹	1.06	–	1.51×10 ²	1.06	1.47×10 ¹	2.85×10 ⁻²
216-B-33	216-B-33 Trench	Liquid	2001	2.97×10 ¹	1.04	–	1.70×10 ²	1.24	1.42×10 ¹	2.94×10 ⁻²
216-B-34	216-B-34 Trench	Liquid	2001	3.05×10 ¹	1.07	–	1.65×10 ²	1.29	1.45×10 ¹	3.04×10 ⁻²
216-B-52	216-B-52 Trench	Liquid	2001	5.33×10 ¹	1.89	–	3.87×10 ²	2.00	2.61×10 ¹	5.18×10 ⁻²
216-B-53A	216-B-53A Trench	Liquid	2001	1.79×10 ⁻²	1.44×10 ⁻²	–	8.88	4.29×10 ⁻⁴	3.07×10 ⁻³	–
216-B-53B	216-B-53B Trench	Liquid	2001	1.05×10 ⁻²	4.97×10 ⁻⁴	–	5.19	2.50×10 ⁻⁴	1.79×10 ⁻³	–
216-B-58	216-B-58 Trench	Liquid	2001	8.36×10 ⁻³	1.09×10 ⁻²	–	4.15	2.00×10 ⁻⁴	1.43×10 ⁻³	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-57b. Map 13: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
2101-M Pond	2101-M Pond	Liquid	2001	1.15×10 ⁻³	–	1.78×10 ⁻¹²	8.75×10 ⁻³	2.14×10 ⁻⁴	3.27×10 ⁻²	6.76×10 ⁻⁴
216-B-54	216-B-54 Trench	Liquid	2001	6.12	–	2.91×10 ⁻⁷	6.62×10 ⁻²	7.93×10 ⁻⁴	1.30	5.52×10 ⁻¹
216-B-14	216-B-14 Crib	Liquid	2001	3.04×10 ²	–	8.53×10 ⁻¹⁰	1.82×10 ⁻¹	2.61×10 ⁻¹	7.64	1.44×10 ¹
216-B-15	216-B-15 Crib	Liquid	2001	2.22×10 ²	–	6.22×10 ⁻¹⁰	1.32×10 ⁻¹	1.91×10 ⁻¹	5.57	1.05×10 ¹
216-B-16	216-B-16 Crib	Liquid	2001	1.97×10 ²	–	6.51×10 ⁻¹⁰	1.17×10 ⁻¹	1.58×10 ⁻¹	4.94	8.83
216-B-17	216-B-17 Crib	Liquid	2001	1.20×10 ²	–	5.38×10 ⁻¹⁰	7.00×10 ⁻²	8.04×10 ⁻²	3.02	4.65
216-B-18	216-B-18 Crib	Liquid	2001	2.99×10 ²	–	8.39×10 ⁻¹⁰	1.79×10 ⁻¹	2.57×10 ⁻¹	7.51	1.42×10 ¹
216-B-19	216-B-19 Crib	Liquid	2001	2.23×10 ²	–	8.86×10 ⁻¹⁰	1.31×10 ⁻¹	1.62×10 ⁻¹	5.61	9.25
216-B-20	216-B-20 Trench	Liquid	2001	5.49×10 ²	–	6.30×10 ⁻¹⁰	9.99×10 ⁻²	1.22×10 ⁻¹	4.25	6.94
216-B-21	216-B-21 Trench	Liquid	2001	1.64×10 ²	–	4.99×10 ⁻¹⁰	9.76×10 ⁻²	1.36×10 ⁻¹	4.12	7.58
216-B-22	216-B-22 Trench	Liquid	2001	1.66×10 ²	–	5.76×10 ⁻¹⁰	9.86×10 ⁻²	1.31×10 ⁻¹	4.18	7.34
216-B-23	216-B-23 Trench	Liquid	2001	1.59×10 ²	–	5.52×10 ⁻¹⁰	9.40×10 ⁻²	1.24×10 ⁻¹	3.99	6.99
216-B-24	216-B-24 Trench	Liquid	2001	1.71×10 ²	–	4.79×10 ⁻¹⁰	1.02×10 ⁻¹	1.47×10 ⁻¹	4.29	8.11
216-B-25	216-B-25 Trench	Liquid	2001	1.72×10 ²	–	4.83×10 ⁻¹⁰	1.03×10 ⁻¹	1.48×10 ⁻¹	4.33	8.18
216-B-26	216-B-26 Trench	Liquid	2001	5.85×10 ²	–	4.67×10 ⁻¹⁰	1.07×10 ⁻¹	1.43×10 ⁻¹	4.27	7.91
216-B-27	216-B-27 Trench	Liquid	2001	1.55×10 ²	–	4.35×10 ⁻¹⁰	9.27×10 ⁻²	1.33×10 ⁻¹	3.90	7.36
216-B-28	216-B-28 Trench	Liquid	2001	1.77×10 ²	–	6.00×10 ⁻¹⁰	1.05×10 ⁻¹	1.41×10 ⁻¹	4.46	7.89
216-B-29	216-B-29 Trench	Liquid	2001	1.70×10 ²	–	4.75×10 ⁻¹⁰	1.01×10 ⁻¹	1.46×10 ⁻¹	4.26	8.05
216-B-30	216-B-30 Trench	Liquid	2001	1.68×10 ²	–	6.77×10 ⁻¹⁰	9.87×10 ⁻²	1.21×10 ⁻¹	4.23	6.92
216-B-31	216-B-31 Trench	Liquid	2001	1.70×10 ²	–	6.84×10 ⁻¹⁰	1.00×10 ⁻¹	1.23×10 ⁻¹	4.29	7.03
216-B-32	216-B-32 Trench	Liquid	2001	1.67×10 ²	–	6.83×10 ⁻¹⁰	9.81×10 ⁻²	1.19×10 ⁻¹	4.20	6.83
216-B-33	216-B-33 Trench	Liquid	2001	1.67×10 ²	–	7.19×10 ⁻¹⁰	9.78×10 ⁻²	1.15×10 ⁻¹	4.20	6.63
216-B-34	216-B-34 Trench	Liquid	2001	1.71×10 ²	–	7.44×10 ⁻¹⁰	1.00×10 ⁻¹	1.18×10 ⁻¹	4.31	6.79
216-B-52	216-B-52 Trench	Liquid	2001	3.00×10 ²	–	1.25×10 ⁻⁹	1.76×10 ⁻¹	2.12×10 ⁻¹	7.54	1.21×10 ¹
216-B-53A	216-B-53A Trench	Liquid	2001	1.05×10 ¹	–	4.99×10 ⁻⁷	2.15×10 ⁻¹	4.35×10 ⁻⁴	3.86	3.08×10 ⁻¹
216-B-53B	216-B-53B Trench	Liquid	2001	6.10	–	2.91×10 ⁻⁷	6.25×10 ⁻²	1.90×10 ⁻⁵	1.11	1.50×10 ⁻²
216-B-58	216-B-58 Trench	Liquid	2001	4.89	–	2.33×10 ⁻⁷	5.17×10 ⁻²	3.30×10 ⁻⁴	9.67×10 ⁻¹	2.32×10 ⁻¹

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-58a. Map 14: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
600 NRDWL	600 Nonrad Dangerous Waste Landfill	Solid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-58b. Map 14: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
600 NRDWL	600 Nonrad Dangerous Waste Landfill	Solid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-59a. Map 15: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
618-11	300 Wye Burial Ground	Solid	1986	–	–	–	1.00×10 ³	–	–	–
400 RFD ^b	400 Area Retired French Drains	Liquid	N/A	–	–	–	–	–	–	–
316-4	300 North Cribs, 321 Cribs	Liquid	2001	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site had inventories that were in the initial list of constituents but was screened out during the final screening described in Section S.3.6.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-59b. Map 15: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
618-11	300 Wye Burial Ground	Solid	1986	1.00×10 ³	–	–	–	–	6.23×10 ²	–
400 RFD ^b	400 Area Retired French Drains	Liquid	N/A	–	–	–	–	–	–	–
316-4	300 North Cribs, 321 Cribs	Liquid	2001	–	–	–	1.30×10 ⁻⁴	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b This site had inventories that were in the initial list of constituents but was screened out during the final screening described in Section S.3.6.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-60a. Map 16: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	H-3	C-14	K-40	Sr-90	Zr-93	Tc-99	I-129
618-9	300 West Burial Ground	Solid	N/A	–	–	–	–	–	–	–
316-1 ^b	300 Area South Process Ponds	Liquid	2001	1.05	1.23×10 ⁻¹	–	1.17×10 ²	4.78×10 ⁻²	4.35×10 ⁻¹	1.79×10 ⁻²
316-2 ^b	300 Area North Process Ponds	Liquid	2001	4.69×10 ⁻¹	1.11×10 ⁻¹	–	5.20×10 ¹	2.13×10 ⁻²	1.93×10 ⁻¹	1.76×10 ⁻²
316-5 ^b	300 Area Process Trenches	Liquid	2001	–	1.41×10 ⁻¹	–	8.72×10 ⁻³	–	–	2.00×10 ⁻³
UPR-300-1	307-340 Waste Line Leak	Liquid	1969	–	–	–	1.00×10 ¹	–	–	–
300-19 ^c	324 Sodium Removal Pilot Plant	Liquid	Unknown	–	–	–	–	–	–	–
UPR-300-13 ^c	Acid Neutralization Tank Leak East of 333 Building	Liquid	N/A	–	–	–	–	–	–	–
300-264	327 Building, Postirradiation Testing Laboratory	Liquid	Unknown	–	–	–	2.25×10 ²	–	–	–
309-WS-1	309 Plutonium Recycle Test Reactor Ion Exchange Vault	Liquid	1994	–	–	–	1.00	–	–	–
316-3	307 Disposal Trenches	Liquid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b The radionuclide inventories for the 300 Area Process Ponds and Trenches were determined to be overly conservative as reported in SIM [the Hanford Soil Inventory Model] (Corbin et al. 2005), which relied upon a surrogate waste stream from the PUREX [plutonium-uranium extraction] process cooling-water/steam condensate. This approach resulted in a significant overestimation of the radionuclide inventory based on analytical data and process knowledge. The inventories for plutonium only have been revised to account for this overestimation (Harrington 2011; Mehta 2011).

^c This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: C=carbon; H-3=hydrogen-3 (tritium); I=iodine; ID=identifier; K=potassium; N/A=not applicable; Sr=strontium; Tc=technetium; WIDS=Waste Information Data System; Zr=zirconium.

Source: SAIC 2011.

Table S-60b. Map 16: Radionuclide Inventories (curies)

WIDS ID/ Building Number	Common Site Name	Source Type	Decay Date ^a	Cs-137	Gd-152	Th-232	U-238 (U-233, -234, -235, -238)	Np-237	Pu-239 (Pu-239, -240)	Am-241
618-9	300 West Burial Ground	Solid	N/A	–	–	–	–	–	–	–
316-1 ^b	300 Area South Process Ponds	Liquid	2001	9.61×10 ²	–	3.28×10 ⁻¹⁰	8.45×10 ¹	1.59×10 ⁻²	–	1.52×10 ¹
316-2 ^b	300 Area North Process Ponds	Liquid	2001	4.27×10 ²	–	3.14×10 ⁻¹⁰	6.16×10 ¹	1.44×10 ⁻²	–	6.78×10 ⁻²
316-5 ^b	300 Area Process Trenches	Liquid	2001	–	–	7.83×10 ⁻¹⁰	1.41	1.09×10 ⁻²	–	7.26×10 ⁻⁵
UPR-300-1	307-340 Waste Line Leak	Liquid	1969	1.00×10 ¹	–	–	–	–	–	–
300-19 ^c	324 Sodium Removal Pilot Plant	Liquid	Unknown	4.20×10 ⁴	–	–	–	–	7.77	5.67×10 ¹
UPR-300-13 ^c	Acid Neutralization Tank Leak East of 333 Building	Liquid	N/A	–	–	–	–	–	–	–
300-264	327 Building, Postirradiation Testing Laboratory	Liquid	Unknown	1.60×10 ²	–	–	–	–	–	–
309-WS-1	309 Plutonium Recycle Test Reactor Ion Exchange Vault	Liquid	1994	1.00	–	–	–	–	–	–
316-3	307 Disposal Trenches	Liquid	N/A	–	–	–	–	–	–	–

^a Date of determination of the inventories reflected in this table. For purposes of groundwater modeling (see Appendix N), these concentrations were adjusted (i.e., increased) to account for decay from the date of radionuclide release.

^b The radionuclide inventories for the 300 Area Process Ponds and Trenches were determined to be overly conservative as reported in SIM [the Hanford Soil Inventory Model] (Corbin et al. 2005), which relied upon a surrogate waste stream from the PUREX [plutonium-uranium extraction] process cooling-water/steam condensate. This approach resulted in a significant overestimation of the radionuclide inventory based on analytical data and process knowledge. The inventories for plutonium only have been revised to account for this overestimation (Harrington 2011; Mehta 2011).

^c This site was not modeled because not all the information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels.

Key: Am=americium; Cs=cesium; Gd=gadolinium; ID=identifier; N/A=not applicable; Np=neptunium; Pu=plutonium; Th=thorium; U=uranium; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-61a. Map 1: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
116-B-1 ^a	107-B Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	2.40×10 ¹	-	-
116-B-4	105-B Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	4.00×10 ²	-	-
116-B-5	108-B Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-B-6A ^a	116-B-6-1 Crib	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ¹	-	-
116-B-6B	116-B-6-2 Crib	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ¹	-	-
116-B-11 ^a	107-B Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-C-5	107-C Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-C-1 ^a	107-C Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	4.00×10 ¹	-	-
116-C-2A	105-C Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ²	-	-
116-C-2C ^a	105-C Pluto Crib Sand Filter	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-61b. Map 1: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
116-B-1 ^a	107-B Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	8.70×10 ⁻⁸	-
116-B-4	105-B Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-B-5	108-B Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-B-6A ^a	116-B-6-1 Crib	L	-	-	-	-	-	-	-	-	-	-	-	2.10×10 ⁻⁸	-
116-B-6B	116-B-6-2 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-B-11 ^a	107-B Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	9.76×10 ⁻⁶	-
116-C-5 ^a	107-C Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	3.19×10 ⁻⁶	-
116-C-1 ^a	107-C Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	1.36×10 ⁻⁶	-
116-C-2A	105-C Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-C-2C ^a	105-C Pluto Crib Sand Filter	L	-	-	-	-	-	-	-	-	-	-	-	2.40×10 ⁻⁶	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-62a. Map 2: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
116-K-1 ^a	100-K Crib	L	-	-	-	-	-	-	-	-	-	-	1.60×10 ¹	-	-
116-K-2 ^a	100-K Mile Long Trench	L	-	-	-	-	-	-	-	-	-	-	1.20×10 ⁵	-	-
116-KE-4 ^a	107-KE Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KW-3 ^a	107-KW Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KE-1	115-KE Condensate Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KE-2	1706-KER Waste Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KW-1	115-KW Condensate Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-K-1 ^b	100-KE Fuel Storage Basin Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
120-KE-1	183-KE Filter Waste Facility Drywell	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-62b. Map 2: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
116-K-1 ^a	100-K Crib	L	-	-	-	-	-	-	-	-	-	-	-	1.61×10 ⁻⁶	-
116-K-2 ^a	100-K Mile Long Trench	L	-	-	-	-	-	-	-	-	-	-	-	5.41×10 ⁻⁵	-
116-KE-4 ^a	107-KE Retention Basins	L	-	-	-	-	-	-	-	-	-	-	-	5.85×10 ⁻⁹	-
116-KW-3 ^a	107-KW Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	3.79×10 ⁻⁸	-
116-KE-1	115-KE Condensate Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KE-2	1706-KER Waste Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-KW-1	115-KW Condensate Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-K-1 ^b	100-KE Fuel Storage Basin Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
120-KE-1	183-KE Filter Waste Facility Drywell	L/S	-	-	-	2.20×10 ²	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-63a. Map 3: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
116-N-1 ^a	1301-N Liquid Waste Disposal Facility	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-N-3 ^a	1325-N Liquid Waste Disposal Facility	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-N-3	Spacer Disposal System Transport Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-N-7	Rad Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-N-35 ^b	100-N Fuel Storage Basin Drainage System Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-63b. Map 3: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
116-N-1 ^a	1301-N Liquid Waste Disposal Facility	L	-	-	-	-	-	-	-	-	-	-	-	1.26×10 ⁴	-
116-N-3 ^a	1325-N Liquid Waste Disposal Facility	L	-	-	-	-	-	-	-	-	-	-	-	1.63×10 ²	-
UPR-100-N-3	Spacer Disposal System Transport Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-N-7	Rad Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-N-35 ^b	100-N Fuel Storage Basin Drainage System Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-64a. Map 4: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
116-D-1A ^a	105-D Storage Basin Trenches 1	L	-	-	-	-	-	-	-	-	-	-	4.00×10 ²	-	-
116-D-1B ^a	105-D Storage Basin Trenches 2	L	-	-	-	-	-	-	-	-	-	-	2.80×10 ²	-	-
116-D-7 ^a	107-D Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-DR-9 ^a	107-DR Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
100-D-25 ^{a, b}	107-DR Basin Leaks	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-100-D-4 ^{a, b}	107-D Basin Leaks	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-DR-1&2 ^a	107-DR Liquid Waste Disposal Trenches	L	-	-	-	-	-	-	-	-	-	-	3.20×10 ¹	-	-
116-DR-6	1608-DR Liquid Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	8.00×10 ⁻¹	-	-
116-DR-7	105-DR Inkwel Crib	L	-	-	-	-	-	-	-	3.30×10 ²	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-64b. Map 4: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
116-D-1A ^a	105-D Storage Basin Trenches 1	L	-	-	-	-	-	-	-	-	-	-	-	2.10×10 ⁻⁷	-
116-D-1B ^a	105-D Storage Basin Trenches 2	L	-	-	-	-	-	-	-	-	-	-	-	7.03×10 ⁻⁸	-
116-D-7 ^a	107-D Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	1.57×10 ⁻⁶	-
116-DR-9 ^a	107-DR Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	7.34×10 ⁻⁷	-
100-D-25 ^{a, b}	107-DR Basin Leaks	L	-	-	-	-	-	-	-	-	-	-	-	4.56×10 ⁻⁷	-
UPR-100-D-4 ^{a, b}	107-D Basin Leaks	L	-	-	-	-	-	-	-	-	-	-	-	7.44×10 ⁻⁷	-
116-DR-1&2 ^a	107-DR Liquid Waste Disposal Trenches	L	-	-	-	-	-	-	-	-	-	-	-	3.66×10 ⁻⁷	-
116-DR-6	1608-DR Liquid Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-DR-7	105-DR Inkwell Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-65a. Map 5: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
100-H-33	183-H Solar Evaporation Basins Radionuclide Components	L	-	-	-	-	-	-	-	-	-	-	7.35×10 ²	-	8.74×10 ⁴
116-H-6	183-H Solar Evaporation Basins	L	Site consolidated with Site WIDS ID 100-H-33												
116-H-1 ^a	107-H Liquid Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	3.60×10 ¹	-	-
116-H-2	1608-H Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	2.40×10 ²	-	-
116-H-4	105-H Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	4.00×10 ²	-	-
116-H-7 ^a	107-H Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-H-3	105-H Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	8.00×10 ²	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-65b. Map 5: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
100-H-33	183-H Solar Evaporation Basins Radionuclide Components	L	-	-	1.39×10 ³	-	-	-	1.36×10 ⁶	-	-	-	-	1.96×10 ³	-
116-H-6	183-H Solar Evaporation Basins	L	Site consolidated with Site WIDS ID 100-H-33												
116-H-1 ^a	107-H Liquid Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	7.35×10 ⁻⁷	-
116-H-2	1608-H Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-H-4	105-H Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-H-7 ^a	107-H Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	2.53×10 ⁻⁶	-
116-H-3	105-H Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-66a. Map 6: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
116-F-1a, b	Lewis Canal	L	-	-	-	-	-	-	-	-	-	-	4.00×10 ¹	-	-
116-F-2a	107-F Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	2.40×10 ¹	-	-
116-F-9	Animal Waste Leaching Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-F-3	105-F Storage Basin Trench	L	-	-	-	-	-	-	-	-	-	-	1.60	-	-
116-F-6 ^a	105-F Cooling Water Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-F-4 ^a	105-F Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	1.60×10 ⁻³	-	-
116-F-10	105-F Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	8.00×10 ²	-	-
116-F-14 ^a	107-F Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because it emptied directly into the Columbia River.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-66b. Map 6: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
116-F-1 ^{a, b}	Lewis Canal	L	-	-	-	-	-	-	-	-	-	-	-	6.89×10 ⁻⁸	-
116-F-2 ^a	107-F Liquid Waste Disposal Trench	L	-	-	-	-	-	-	-	-	-	-	-	8.57×10 ⁻⁸	-
116-F-9	Animal Waste Leaching Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-F-3	105-F Storage Basin Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-F-6 ^a	105-F Cooling Water Trench	L	-	-	-	-	-	-	-	-	-	-	-	1.03×10 ⁻⁷	-
116-F-4 ^a	105-F Pluto Crib	L	-	-	-	-	-	-	-	-	-	-	-	4.45×10 ⁻⁷	-
116-F-10	105-F Dummy Decontamination French Drain	L	-	-	-	-	-	-	-	-	-	-	-	-	-
116-F-14 ^a	107-F Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	8.29×10 ⁻⁷	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because it emptied directly into the Columbia River.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-67a. Map 7: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-N-1	216-N-1 Pond	L	-	-	-	-	-	-	-	-	-	-	-	-	1.22×10 ²
216-N-2	216-N-2 Trench	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ⁻²	-	1.14
216-N-3	216-N-3 Trench	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ⁻²	-	1.14
216-N-4	216-N-4 Pond	L	-	-	-	-	-	-	-	-	-	-	2.01×10 ⁻²	-	1.23×10 ²
216-N-5	216-N-5 Trench	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ⁻²	-	1.14
216-N-6	216-N-6 Pond	L	-	-	-	-	-	-	-	-	-	-	2.01×10 ⁻²	-	1.23×10 ²
216-N-7	216-N-7 Trench	L	-	-	-	-	-	-	-	-	-	-	2.00×10 ⁻²	-	1.14

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphite; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-67b. Map 7: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-N-1	216-N-1 Pond	L	-	8.61	2.94×10 ¹	-	-	-	-	-	-	-	-	5.77×10 ⁻¹	-
216-N-2	216-N-2 Trench	L	-	6.55×10 ⁻²	2.24×10 ⁻¹	6.04×10 ⁻⁶	-	6.46×10 ⁻³	4.53	-	-	-	-	2.23×10 ⁻²	-
216-N-3	216-N-3 Trench	L	-	6.55×10 ⁻²	2.24×10 ⁻¹	6.04×10 ⁻⁶	-	6.46×10 ⁻³	4.53	-	-	-	-	2.23×10 ⁻²	-
216-N-4	216-N-4 Pond	L	-	8.61	2.94×10 ¹	6.05×10 ⁻⁶	-	6.47×10 ⁻³	4.54	-	-	-	-	5.95×10 ⁻¹	-
216-N-5	216-N-5 Trench	L	-	6.55×10 ⁻²	2.24×10 ⁻¹	6.04×10 ⁻⁶	-	6.45×10 ⁻³	4.53	-	-	-	-	2.23×10 ⁻²	-
216-N-6	216-N-6 Pond	L	-	8.61	2.94×10 ¹	6.05×10 ⁻⁶	-	6.46×10 ⁻³	4.54	-	-	-	-	5.95×10 ⁻¹	-
216-N-7	216-N-7 Trench	L	-	6.55×10 ⁻²	2.24×10 ⁻¹	6.04×10 ⁻⁶	-	6.46×10 ⁻³	4.53	-	-	-	-	2.23×10 ⁻²	-

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-68a. Map 8: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-A-25	216-A-25 Gable Mountain Pond	L	-	-	1.05×10 ⁴	-	-	-	-	-	-	2.20×10 ³	4.58	-	4.88×10 ⁴
UPR-200-E-34	UPR-200-E-34	L	Site consolidated with Site WIDS ID 216-A-25												
600-118	600-118 Ditch	L	Site consolidated with Site WIDS ID 216-A-25												

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-68b. Map 8: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes Nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-A-25	216-A-25 Gable Mountain Pond	L	-	9.37×10 ¹	1.74×10 ³	8.80×10 ⁻¹	-	1.35	1.64×10 ⁵	-	-	-	-	1.22×10 ⁴	-
UPR-200-E-34	UPR-200-E-34	L	Site consolidated with Site WIDS ID 216-A-25												
600-118	600-118 Ditch	L	Site consolidated with Site WIDS ID 216-A-25												

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-69a. Map 9: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-S-5	216-S-5 Crib	L	-	-	1.04×10 ⁻³	-	-	-	-	-	-	-	3.58	-	5.15
216-S-6	216-S-6 Crib	L	-	-	7.97×10 ⁻⁴	-	-	-	-	-	-	-	1.84×10 ⁻¹	-	3.94
216-S-10D ^{a, b}	216-S-10D Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-10P	216-S-10P Pond	L	-	-	-	-	-	-	-	-	-	-	2.98×10 ³	-	7.43×10 ²
216-S-11P	216-S-11 Pond	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-16D ^a	216-S-16D Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-16P	216-S-16P Pond	L	-	-	6.10×10 ⁻⁴	-	-	-	-	-	-	-	1.54	-	3.01
216-S-17	216-S-17 Pond	L	-	-	2.22×10 ⁻⁴	-	-	-	-	-	-	-	3.32	-	4.88×10 ²
UPR-200-W-47	UPR-200-W-47	L	Site consolidated with Site WIDS ID 216-S-16P												
UPR-200-W-59	UPR-200-W-59	L	Site consolidated with Site WIDS ID 216-S-16P												
UPR-200-W-34	UPR-200-W-34	L	Site consolidated with Site WIDS ID 216-S-10D												
218-W-1 ^b	218-W-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-2 ^b	218-W-2 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-4B	218-W-4B Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-4C ^c	218-W-4C Burial Ground	S	-	-	-	-	-	8.08	1.42×10 ⁻¹	4.90	1.81×10 ²	8.16×10 ²	3.75×10 ²	6.14	5.84×10 ¹
218-W-5	218-W-5 Burial Ground	S	-	-	-	3.20×10 ³	-	1.83×10 ¹	2.14	1.01×10 ¹	1.21×10 ²	7.62×10 ⁻¹	5.08×10 ¹	1.16×10 ²	7.62×10 ⁻¹
218-W-3AE ^b	218-W-3AE Burial Ground	S	-	-	-	-	-	9.90×10 ⁻³	-	-	3.82×10 ⁻¹	1.87	3.18×10 ²	-	1.63×10 ⁻¹
218-W-3A	218-W-3A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
Z Plant BP	Z Plant Burning Pit	S	Site consolidated with Site WIDS ID 218-W-4C												

^a This site was consolidated with another site for purposes of modeling.

^b Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^c To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-69b. Map 9: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-S-5	216-S-5 Crib	L	-	1.16×10 ⁻³	1.68×10 ⁻¹	3.99	-	1.53×10 ⁻¹	5.07×10 ⁵	-	-	-	-	1.10×10 ³	-
216-S-6	216-S-6 Crib	L	-	1.26×10 ⁻³	2.66×10 ⁻³	4.33	-	1.57×10 ⁻²	5.52×10 ⁵	-	-	-	-	8.53×10 ²	-
216-S-10D ^{a, b}	216-S-10D Ditch	L	-	-	-	-	-	-	-	-	-	-	-	3.19×10 ⁻⁸	-
216-S-10P	216-S-10P Pond	L	-	2.97×10 ³	4.29×10 ¹	1.20×10 ²	-	1.97×10 ⁻¹	9.55×10 ⁴	-	-	-	-	5.12×10 ²	-
216-S-11P	216-S-11 Pond	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-16D ^a	216-S-16D Ditch	L	-	-	-	-	-	-	1.00×10 ¹	-	-	-	-	-	-
216-S-16P	216-S-16P Pond	L	-	1.16×10 ⁻²	1.23×10 ⁻²	3.97×10 ¹	-	7.01×10 ⁻²	5.03×10 ⁶	-	-	-	-	6.57×10 ²	-
216-S-17	216-S-17 Pond	L	-	3.08×10 ⁻²	7.06×10 ⁻²	5.34	-	1.37×10 ⁻¹	6.76×10 ⁵	-	-	-	-	3.54	-
UPR-200-W-47	UPR-200-W-47	L	Site consolidated with Site WIDS ID 216-S-16P												
UPR-200-W-59	UPR-200-W-59	L	Site consolidated with Site WIDS ID 216-S-16P												
UPR-200-W-34	UPR-200-W-34	L	Site consolidated with Site WIDS ID 216-S-10D												
218-W-1 ^b	218-W-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	6.99×10 ¹	-
218-W-2 ^b	218-W-2 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	1.40×10 ³	-
218-W-4B	218-W-4B Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-4C ^c	218-W-4C Burial Ground	S	-	3.77×10 ⁵	7.96×10 ¹	8.42×10 ¹	3.23×10 ¹	1.19×10 ²	2.86×10 ²	6.67×10 ⁻²	2.98×10 ²	2.46	1.35×10 ⁻¹	8.35×10 ¹	9.50×10 ⁻¹
218-W-5	218-W-5 Burial Ground	S	6.04	4.19×10 ⁵	8.28×10 ⁻¹	1.21×10 ¹	4.98×10 ⁻³	3.67×10 ¹	8.63×10 ²	9.68	7.11×10 ¹	3.40×10 ⁻⁴	1.49×10 ¹	5.54×10 ⁻²	1.10
218-W-3AE ^b	218-W-3AE Burial Ground	S	-	7.03×10 ³	9.00	1.53×10 ²	4.00×10 ⁻⁴	1.17×10 ⁻¹	3.21×10 ¹	2.50×10 ⁻³	1.64	-	-	3.70×10 ⁵	-
218-W-3A	218-W-3A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
Z Plant BP	Z Plant Burning Pit	S	Site consolidated with Site WIDS ID 218-W-4C												

^a This site was consolidated with another site for purposes of modeling.

^b Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^c To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-70a. Map 9A: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
218-W-3 ^a	218-W-3 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-4A ^a	218-W-4A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-W-2A	218-W-2A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-84	UPR-200-W-84	L	Site consolidated with Site WIDS ID 218-W-3A												
UPR-200-W-134	UPR-200-W-134	S	Site consolidated with Site WIDS ID 218-W-3A												
UPR-200-W-53	UPR-200-W-53	L	Site consolidated with Site WIDS ID 218-W-2A												
UPR-200-W-72	UPR-200-W-72	S	Site consolidated with Site WIDS ID 218-W-4A												
UPR-200-W-16	UPR-200-W-16	S	Site consolidated with Site WIDS ID 218-W-1												
216-T-4A ^b	216-T-4A Pond	L	-	-	3.51×10 ⁻³	-	-	-	-	-	-	3.62×10 ²	1.14×10 ⁴	-	4.90×10 ³
216-T-4B	216-T-4B Pond	L	Site consolidated with Site WIDS ID 216-T-4A												
216-T-36	216-T-36 Crib	L	-	-	-	-	-	-	-	-	-	-	2.12×10 ²	-	-
216-T-4-2	216-T-4-2 Ditch	L	Site consolidated with Site WIDS ID 216-T-4A												
UPR-200-W-97	UPR-200-W-97 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	7.66×10 ⁻¹	-	8.33
UPR-200-W-29	UPR-200-W-29 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	1.36	-	1.42×10 ¹
216-T-13	216-T-13 Trench	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-T-27	216-T-27 Crib	L	-	-	-	-	-	-	-	-	-	-	1.25×10 ³	-	5.52×10 ⁻¹
216-TY-201	216-TY-201 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-70b. Map 9A: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
218-W-3 ^a	218-W-3 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	6.99×10 ⁴	-
218-W-4A ^a	218-W-4A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	3.93×10 ⁵	-
218-W-2A	218-W-2A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-84	UPR-200-W-84	L	Site consolidated with Site WIDS ID 218-W-3A												
UPR-200-W-134	UPR-200-W-134	S	Site consolidated with Site WIDS ID 218-W-3A												
UPR-200-W-53	UPR-200-W-53	L	Site consolidated with Site WIDS ID 218-W-2A												
UPR-200-W-72	UPR-200-W-72	S	Site consolidated with Site WIDS ID 218-W-4A												
UPR-200-W-16	UPR-200-W-16	S	Site consolidated with Site WIDS ID 218-W-1												
216-T-4A ^b	216-T-4A Pond	L	-	1.35	1.26×10 ¹	1.12	-	2.96×10 ³	4.11×10 ⁵	-	-	-	-	6.07×10 ²	-
216-T-4B	216-T-4B Pond	L	Site consolidated with Site WIDS ID 216-T-4A												
216-T-36	216-T-36 Crib	L	-	-	-	-	-	9.44×10 ¹	5.71×10 ³	-	-	-	-	1.72×10 ²	-
216-T-4-2	216-T-4-2 Ditch	L	Site consolidated with Site WIDS ID 216-T-4A												
UPR-200-W-97	UPR-200-W-97 Unplanned Release	L	-	-	-	-	-	1.87×10 ⁻¹	1.53×10 ²	-	-	-	-	1.53×10 ⁻²	-
UPR-200-W-29	UPR-200-W-29 Unplanned Release	L	-	-	-	1.23×10 ⁻³	-	3.77×10 ⁻¹	4.18×10 ²	-	-	-	-	1.17×10 ⁻¹	-
216-T-13	216-T-13 Trench	L	-	-	-	-	-	-	-	-	-	-	-	5.00×10 ⁻²	-
216-T-27	216-T-27 Crib	L	-	2.19	2.30×10 ⁻²	9.21×10 ⁻²	-	3.20×10 ²	3.42×10 ⁴	-	-	-	-	3.07×10 ¹	-
216-TY-201	216-TY-201 Settling Tank	L	-	1.06×10 ¹	-	-	-	-	-	-	-	8.38	-	8.30	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-71a. Map 9B: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-T-12	216-T-12 Trench	L	-	-	2.52×10 ⁻²	-	-	-	-	-	-	-	2.34	-	1.43×10 ²
218-W-1A ^a	218-W-1A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-26	UPR-200-W-26	S	Site consolidated with Site WIDS ID 218-W-1A												
216-T-29	216-T-29 Crib	L	-	-	-	-	-	-	-	-	-	-	3.48×10 ⁻²	-	2.24×10 ⁻²
216-T-33	216-T-33 Crib	L	-	-	2.51×10 ⁻⁴	-	-	-	-	-	-	-	2.16×10 ¹	-	1.24
216-T-34	216-T-34 Crib	L	-	-	-	-	-	-	-	-	-	-	5.83×10 ³	-	4.37×10 ¹
216-T-35	216-T-35 Crib	L	-	-	-	-	-	-	-	-	-	-	3.00	-	7.56×10 ¹
216-T-1	216-T-1 Ditch (221-T Ditch)	L	-	-	-	-	-	-	-	-	-	-	8.24×10 ²	-	2.44×10 ¹
216-T-2	216-T-2 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	2.50×10 ³	-	-
216-T-3	216-T-3 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	2.65×10 ³	-	3.86×10 ⁴
216-T-6	216-T-6 Cribs	L	-	-	-	-	-	-	-	-	-	-	6.83×10 ²	-	1.26×10 ⁴
216-T-8	216-T-8 Crib	L	-	-	-	-	-	-	-	-	-	-	2.10×10 ¹	-	-
200-W-45	200-W-45 Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-20	2706-T Equipment Decontamination Building	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-20 ^a	T Plant Complex (including 221-T Canyon)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
224-T	224-T Canyon	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-9	200-W-9 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	5.66×10 ¹	-	-

Table S-71a. Map 9B: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
UPR-200-W-2 ^b	UPR-200-W-2 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	2.24	-	-
UPR-200-W-21	UPR-200-W-21	L	-	-	-	-	-	-	-	-	-	-	2.06	-	-
UPR-200-W-38	UPR-200-W-38 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	1.43	-	-
UPR-200-W-98 ^b	UPR-200-W-98 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	6.02×10 ⁻²	-	-
UPR-200-W-102	UPR-200-W-102 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	9.38	-	1.36×10 ²
TRUSAF	TRUSAF (in 224-T Canyon)	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
241-T-361	241-T-361 Settling Tank	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-71b. Map 9B: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-T-12	216-T-12 Trench	L	-	-	4.54×10 ⁻²	1.65×10 ⁻²	-	7.75×10 ⁻¹	7.71×10 ⁴	-	-	-	-	2.17×10 ²	-
218-W-1A ^a	218-W-1A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	8.99×10 ²	-
UPR-200-W-26	UPR-200-W-26	S	Site consolidated with Site WIDS ID 218-W-1A												
216-T-29	216-T-29 Crib	L	-	-	5.51×10 ⁻⁵	6.46×10 ⁻⁷	-	9.07×10 ⁻³	1.36	-	-	-	-	1.91×10 ⁻³	-
216-T-33	216-T-33 Crib	L	-	-	4.52×10 ⁻⁴	1.85×10 ⁻⁴	-	9.45	1.34×10 ³	-	-	-	-	6.02×10 ¹	-
216-T-34	216-T-34 Crib	L	-	1.73	1.82×10 ⁻²	7.28×10 ⁻²	-	1.51×10 ³	1.57×10 ⁵	-	-	-	-	6.37×10 ¹	-
216-T-35	216-T-35 Crib	L	-	3.00	3.15×10 ⁻²	1.26×10 ⁻¹	-	-	3.00	-	-	-	-	3.01×10 ¹	-
216-T-1	216-T-1 Ditch (221-T Ditch)	L	-	2.37	3.39	8.36×10 ⁻¹	-	2.13×10 ²	2.24×10 ⁴	-	-	-	-	2.13×10 ⁻¹	-
216-T-2	216-T-2 Reverse Well	L	-	-	-	-	-	6.44×10 ²	6.75×10 ⁴	-	-	-	-	2.99×10 ⁻¹	-
216-T-3	216-T-3 Reverse Well	L	-	-	1.05×10 ³	-	-	6.97×10 ²	6.47×10 ⁵	-	-	-	-	2.01	-
216-T-6	216-T-6 Cribs	L	-	-	8.22×10 ¹	-	-	2.78×10 ²	2.30×10 ⁵	-	-	-	-	2.08×10 ¹	-
216-T-8	216-T-8 Crib	L	-	-	-	-	-	9.31	5.66×10 ²	-	-	-	-	4.75×10 ¹	-
200-W-45	200-W-45 Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-20	2706-T Equipment Decontamination Building	S	-	-	-	-	-	-	8.93×10 ²	-	-	-	-	-	-
200-W-20 ^a	T Plant complex (including 221-T Canyon)	S	-	-	-	-	-	-	3.13×10 ³	-	-	-	-	1.73	-
224-T	224-T Canyon	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-9	200-W-9 Unplanned Release	L	-	-	-	-	-	1.46×10 ¹	1.53×10 ³	-	-	-	-	6.75×10 ⁻³	-
UPR-200-W-2 ^b	UPR-200-W-2 Unplanned Release	L	-	-	-	-	-	1.27	1.54×10 ²	-	-	-	-	1.17×10 ¹	-

Table S-71b. Map 9B: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
UPR-200-W-21	UPR-200-W-21	L	-	-	-	3.60×10 ⁻³	-	1.16	1.42×10 ²	-	-	-	-	1.06×10 ¹	-
UPR-200-W-38	UPR-200-W-38 Unplanned Release	L	-	-	-	2.50×10 ⁻³	-	8.06×10 ⁻¹	9.83×10 ¹	-	-	-	-	7.34	-
UPR-200-W-98 ^b	UPR-200-W-98 Unplanned Release	L	-	-	-	-	-	3.40×10 ⁻²	4.15	-	-	-	-	3.15×10 ⁻¹	-
UPR-200-W-102	UPR-200-W-102 Unplanned Release	L	-	-	1.24×10 ²	-	-	2.44	2.27×10 ³	-	-	-	-	5.37×10 ⁻⁴	-
TRUSAF	TRUSAF (in 224-T Canyon)	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
241-T-361	241-T-361 Settling Tank	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-72a. Map 9C: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-Z-16 ^a	216-Z-16 Crib	L	-	-	-	-	-	-	-	-	-	-	1.27×10 ¹	-	5.81×10 ⁶
231-Z	231-Z Plutonium Isolation Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-4 ^b	216-Z-4 Trench	L	-	-	3.16	-	-	-	-	-	-	5.42×10 ⁻¹	1.14×10 ⁻⁴	-	9.36×10 ⁻¹
216-Z-5 ^{a, b}	216-Z-5 Crib	L	-	-	5.02×10 ¹	-	-	-	-	-	-	8.60	3.22×10 ⁻¹	-	1.49×10 ¹
216-Z-6 ^b	216-Z-6 Crib	L	-	-	6.73	-	-	-	-	-	-	1.15	1.02×10 ⁻³	-	1.99
216-Z-7 ^{a, b}	216-Z-7 Crib	L	-	-	2.12×10 ³	-	-	-	-	-	-	3.63×10 ²	2.63×10 ³	-	6.26×10 ²
216-Z-8 ^b	216-Z-8 Trench	L	-	-	3.14×10 ¹	-	-	-	-	-	-	3.62×10 ²	2.42×10 ⁻³	-	1.21×10 ⁻³
216-Z-9 ^{a, b}	216-Z-9 Trench	L	-	-	1.79×10 ⁴	-	-	-	-	-	-	2.08×10 ⁵	-	-	2.11×10 ⁴
216-Z-10 ^b	216-Z-10 Reverse Well	L	-	-	6.61×10 ¹	-	-	-	-	-	-	1.13×10 ¹	1.04×10 ⁻²	-	1.96×10 ¹
UPR-200-W-130 ^c	UPR-200-W-130	L	-	-	-	-	-	-	-	-	-	-	4.12×10 ⁻⁵	-	1.88×10 ¹
216-Z-17 ^a	216-Z-17 Trench	L	-	-	-	-	-	-	-	-	-	-	4.59	-	2.10×10 ⁶
216-Z-15	216-Z-15 French Drain	L	-	-	-	-	-	-	-	-	-	-	2.43×10 ¹	-	6.56
234-5Z	234-5Z Plutonium Finishing Plant	S	-	-	-	-	-	-	-	-	-	-	-	-	-
2736-Z	2736-Z Plutonium Finishing Plant	S/L	-	-	-	-	-	-	-	-	-	-	-	-	-
242-Z	242-Z Americium Recovery Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-1D ^d	216-Z-1(D) Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
236-Z	236-Z Plutonium Reclamation Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-14 ^b	216-Z-14 French Drain	L	-	-	-	-	-	-	-	-	-	2.18×10 ²	1.31×10 ¹	-	6.53
291-Z	291-Z Exhaust Fan and Compressor House	S	-	-	-	-	-	-	-	-	-	-	-	-	-

Table S-72a. Map 9C: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
UPR-200-W-103 ^b	UPR-200-W-103	L	-	-	1.12×10 ¹	-	-	-	-	-	-	1.29×10 ²	-	-	-
241-Z ^d	241-Z Treatment Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
241-Z-361 ^a	241-Z-361 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-13 ^b	216-Z-13 French Drain	L	-	-	-	-	-	-	-	-	-	2.18×10 ²	1.26×10 ¹	-	6.28
216-Z-1&2 ^{a, b}	216-Z-1 & 2 Cribs	L	-	-	1.09×10 ³	-	-	-	-	-	-	3.80×10 ⁴	1.61×10 ¹	-	1.20×10 ³
216-Z-3 ^{a, b}	216-Z-3 Crib	L	-	-	-	-	-	-	-	-	-	2.25×10 ⁴	1.56×10 ¹	-	3.79
216-Z-12 ^{a, b}	216-Z-12 Crib	L	-	-	5.03×10 ³	-	-	-	-	-	-	1.35×10 ⁵	5.18×10 ¹	-	9.81×10 ⁴
216-Z-1A ^{a, b}	216-Z-1A Tile Field	L	-	-	2.63×10 ⁴	-	-	-	-	-	-	3.07×10 ⁵	9.32×10 ¹	-	2.59×10 ⁴
216-Z-18 ^{a, b}	216-Z-18 Crib	L	-	-	1.65×10 ⁴	-	-	-	-	-	-	1.92×10 ⁵	7.11	-	1.96×10 ⁴
216-Z-20 ^b	216-Z-20 Crib	L	-	-	2.51×10 ⁴	-	-	-	-	-	-	2.90×10 ²	2.89×10 ²	-	1.67×10 ²
216-Z-21 ^b	216-Z-21 Seepage Basin	L	-	-	-	-	-	-	-	-	-	7.92×10 ³	3.96×10 ²	-	1.98×10 ²
216-Z-11	216-Z-11 Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-13	216-U-13 Trench	L	-	-	-	-	-	-	-	-	-	-	4.73	-	-
216-U-14 ^e	216-U-14 Ditch	L	-	-	3.46×10 ⁻³	-	-	-	-	-	-	-	8.82	-	1.22×10 ³
207-U	207-U Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-135	UPR-200-W-135 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	7.02×10 ⁻¹	-	-
UPR-200-W-28	UPR-200-W-28	L	-	-	1.58×10 ⁻³	-	-	-	-	-	-	-	3.84×10 ⁻¹	-	-
UPR-200-W-131 ^c	UPR-200-W-131	L	-	-	1.03×10 ⁻⁵	-	-	-	-	-	-	-	2.51×10 ⁻³	-	-
200-W PP	200-W PP Powerhouse Pond	L	-	-	-	-	-	-	-	-	-	-	3.44×10 ⁻²	-	1.72×10 ³

Table S-72a. Map 9C: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-T-20	216-T-20 Trench	L	-	-	2.02×10 ⁻⁵	-	-	-	-	-	-	-	1.57×10 ⁻²	-	1.20×10 ⁻¹
232-Z	232-Z Waste Incinerator	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Mercury inventories were revised because they had been incorrectly reported in SIM [the Hanford Soil Inventory Model] (Corbin et al. 2005) as magnesium inventories for several Z Area cribs and trenches (ditches).

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

^c This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

^d This site had inventories that were in the initial list of constituents, but was screened out during final screening described in Section S.3.6.

^e This site was consolidated with another site for purposes of modeling.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-72b. Map 9C: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-Z-16 ^a	216-Z-16 Crib	L	-	-	-	2.30	-	1.30×10 ¹	-	-	-	-	-	4.16×10 ⁻¹	-
231-Z	231-Z Plutonium Isolation Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-4 ^b	216-Z-4 Trench	L	-	-	2.26×10 ⁻⁴	-	-	1.27×10 ⁻⁴	3.04×10 ¹	-	-	-	-	1.41×10 ⁻²	-
216-Z-5 ^{a, b}	216-Z-5 Crib	L	-	-	6.82×10 ⁻¹	5.60×10 ⁻¹	-	3.60×10 ⁻¹	3.93×10 ⁴	-	-	-	-	2.25×10 ⁻¹	-
216-Z-6 ^b	216-Z-6 Crib	L	-	-	2.12×10 ⁻³	-	-	1.14×10 ⁻³	1.59×10 ²	-	-	-	-	2.99×10 ⁻²	-
216-Z-7 ^{a, b}	216-Z-7 Crib	L	-	-	1.61	1.30	-	7.27×10 ²	1.75×10 ⁵	-	-	-	-	2.20×10 ²	-
216-Z-8 ^b	216-Z-8 Trench	L	-	9.57×10 ⁻⁵	3.39×10 ⁻⁵	1.38×10 ⁻⁴	-	4.92×10 ⁻⁵	-	-	-	-	-	4.75×10 ⁻⁶	-
216-Z-9 ^{a, b}	216-Z-9 Trench	L	-	-	-	1.09×10 ²	-	-	8.86×10 ⁵	-	-	-	-	2.52×10 ⁻²	-
216-Z-10 ^b	216-Z-10 Reverse Well	L	-	-	2.17×10 ⁻²	-	-	1.16×10 ²	1.60×10 ³	-	-	-	-	2.94×10 ⁻¹	-

Table S-72b. Map 9C: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
UPR-200-W-130 ^c	UPR-200-W-130	L	-	-	-	-	-	4.21×10 ⁻⁵	-	-	-	-	-	1.33×10 ⁻⁶	-
216-Z-17 ^a	216-Z-17 Trench	L	-	-	-	8.40×10 ⁻¹	-	4.70	-	-	-	-	-	1.50×10 ⁻¹	-
216-Z-15	216-Z-15 French Drain	L	-	2.43×10 ¹	9.71×10 ⁻¹	1.34×10 ⁻²	-	2.72×10 ⁻¹	-	-	-	-	-	2.11×10 ⁻²	-
234-5Z	234-5Z Plutonium Finishing Plant	S	-	-	-	-	-	-	-	-	-	-	-	-	-
2736-Z	2736-Z Plutonium Finishing Plant	S/L	-	-	-	-	-	-	-	-	-	-	-	-	-
242-Z	242-Z Americium Recovery Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-1D ^d	216-Z-1(D) Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
236-Z	236-Z Plutonium Reclamation Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-Z-14 ^b	216-Z-14 French Drain	L	-	5.16×10 ⁻¹	1.83×10 ⁻¹	7.42×10 ⁻¹	-	2.62×10 ⁻¹	-	-	-	-	-	2.04×10 ⁻²	-
291-Z	291-Z Exhaust Fan and Compressor House	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-103 ^b	UPR-200-W-103	L	-	-	-	-	-	-	-	-	-	-	-	3.29×10 ⁻⁷	-
241-Z ^d	241-Z Treatment Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
241-Z-361 ^a	241-Z-361 Settling Tank	L	-	-	-	6.90	-	-	-	-	-	-	-	-	-
216-Z-13 ^b	216-Z-13 French Drain	L	-	4.97×10 ⁻¹	1.76×10 ⁻¹	7.14×10 ⁻¹	-	2.52×10 ⁻¹	-	-	-	-	-	1.96×10 ⁻²	-
216-Z-1&2 ^{a, b}	216-Z-1 & 2 Cribs	L	-	1.61×10 ¹	2.06×10 ⁻¹	3.50	-	1.50×10 ⁻¹	5.51×10 ⁴	-	-	-	-	1.04×10 ⁻²	-
216-Z-3 ^{a, b}	216-Z-3 Crib	L	-	1.40×10 ¹	3.34	1.90	-	1.76	1.91×10 ⁵	-	-	-	-	1.64×10 ⁻²	-
216-Z-12 ^{a, b}	216-Z-12 Crib	L	-	4.99×10 ¹	8.73	4.50	-	6.11	4.37×10 ⁶	-	-	-	-	1.94×10 ⁻¹	-

Table S-72b. Map 9C: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-Z-1A ^{a, b}	216-Z-1A Tile Field	L	-	9.28×10 ¹	4.93×10 ¹	1.40×10 ²	-	4.16×10 ¹	1.32×10 ⁶	-	-	-	-	9.34×10 ⁻²	-
216-Z-18 ^{a, b}	216-Z-18 Crib	L	-	7.08	3.76	1.03×10 ²	-	3.17	8.41×10 ⁵	-	-	-	-	2.40×10 ⁻²	-
216-Z-20 ^b	216-Z-20 Crib	L	-	2.89×10 ²	2.60×10 ¹	1.59×10 ⁻¹	-	3.24	1.04×10 ⁵	-	-	-	-	2.52×10 ⁻¹	-
216-Z-21 ^b	216-Z-21 Seepage Basin	L	-	1.56×10 ¹	5.54	2.25×10 ¹	-	8.05	-	-	-	-	-	6.27×10 ⁻¹	-
216-Z-11	216-Z-11 Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-13	216-U-13 Trench	L	-	-	-	-	-	1.26	1.27×10 ²	-	-	-	-	5.42×10 ⁻¹	-
216-U-14 ^e	216-U-14 Ditch	L	-	1.93×10 ¹	2.64×10 ¹	1.15	-	1.37×10 ¹	1.83×10 ⁵	-	-	-	-	8.28×10 ¹	-
207-U	207-U Retention Basin	L	-	-	-	-	-	-	-	-	-	-	-	4.54×10 ¹	-
UPR-200-W-135	UPR-200-W-135 Unplanned Release	L	-	-	-	1.23×10 ⁻³	-	3.96×10 ⁻¹	4.83×10 ¹	-	-	-	-	3.60	-
UPR-200-W-28	UPR-200-W-28	L	-	-	-	7.33×10 ⁻⁴	-	2.17×10 ⁻¹	4.44×10 ²	-	-	-	-	7.18×10 ⁻²	-
UPR-200-W-131 ^c	UPR-200-W-131	L	-	-	-	4.81×10 ⁻⁶	-	1.42×10 ⁻³	2.90	-	-	-	-	4.67×10 ⁻⁴	-
200-W PP	200-W PP Powerhouse Pond	L	-	1.03×10 ¹	5.85×10 ⁻²	3.44×10 ⁻⁴	-	3.44×10 ⁻²	1.72×10 ³	-	-	-	-	-	-
216-T-20	216-T-20 Trench	L	-	-	-	1.08×10 ⁻⁵	-	3.58×10 ⁻³	2.00×10 ¹	-	-	-	-	1.07×10 ⁻³	-
232-Z	232-Z Waste Incinerator	S	-	-	-	-	-	-	1.33×10 ²	-	-	-	-	-	-

^a Mercury inventories were revised because they had been incorrectly reported in SIM [the Hanford Soil Inventory Model] (Corbin et al. 2005) as magnesium inventories for several Z Area cribs and trenches (ditches).

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

^c This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

^d This site had inventories that were in the initial list of constituents, but was screened out during final screening described in Section S.3.6.

^e This site was consolidated with another site for purposes of modeling.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-73a. Map 9D: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-U-10 ^a	216-U-10 Pond	L	-	-	1.12×10 ⁵	-	-	-	-	-	-	3.91×10 ⁴	9.01×10 ³	-	3.45×10 ⁴
216-U-3	216-U-3 French Drain	L	-	-	1.00×10 ⁻⁴	-	-	-	-	-	-	-	3.91×10 ⁻¹	-	6.90×10 ⁻¹
UPR-200-W-104	UPR-200-W-104	L	Site consolidated with Site WIDS ID 216-U-10												
UPR-200-W-105	UPR-200-W-105	L	Site consolidated with Site WIDS ID 216-U-10												
UPR-200-W-106	UPR-200-W-106	L	Site consolidated with Site WIDS ID 216-U-10												
216-S-4	216-S-4 French Drain	L	-	-	-	-	-	-	-	-	-	-	5.04×10 ⁻¹	-	2.52×10 ⁻¹
216-S-3	216-S-3 Crib	L	-	-	9.09×10 ⁻³	-	-	-	-	-	-	-	2.50	-	1.12
216-S-21	216-S-21 Crib	L	-	-	1.04	-	-	-	-	-	-	-	5.08×10 ¹	-	2.19×10 ¹
UPR-200-W-107	UPR-200-W-107	L	Site consolidated with Site WIDS ID 216-U-10												
216-S-25	216-S-25 Crib	L	-	-	7.34×10 ⁻²	-	-	-	-	-	-	-	1.40×10 ²	-	4.27×10 ²
216-S-1&2	216-S-1 & 216-S-2 Cribs	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-8	216-S-8 Trench	L	-	-	-	-	-	-	-	-	-	-	2.88×10 ⁴	-	-
UPR-200-W-95	UPR-200-W-95	L	-	-	-	-	-	-	-	-	-	-	1.41×10 ⁻¹	-	-

^a To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-73b. Map 9D: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-U-10 ^a	216-U-10 Pond	L	–	9.29×10 ³	1.10×10 ³	3.46×10 ¹	–	4.54×10 ²	5.20×10 ⁶	–	–	–	–	2.16×10 ³	–
216-U-3	216-U-3 French Drain	L	–	4.10×10 ³	1.81×10 ⁴	1.56×10 ²	–	1.10×10 ³	3.06×10 ²	–	–	–	–	1.73×10 ¹	–
UPR-200-W-104	UPR-200-W-104	L	Site consolidated with Site WIDS ID 216-U-10												
UPR-200-W-105	UPR-200-W-105	L	Site consolidated with Site WIDS ID 216-U-10												
UPR-200-W-106	UPR-200-W-106	L	Site consolidated with Site WIDS ID 216-U-10												
216-S-4	216-S-4 French Drain	L	–	5.31×10 ³	–	2.02×10 ²	–	–	5.19×10 ¹	–	–	–	–	3.02×10 ⁴	–
216-S-3	216-S-3 Crib	L	–	2.55×10 ²	4.09×10 ³	8.49×10 ²	–	1.44×10 ²	8.65×10 ¹	–	–	–	–	2.08	–
216-S-21	216-S-21 Crib	L	–	5.10×10 ¹	7.48×10 ²	1.75	–	2.78×10 ¹	7.71×10 ²	–	–	–	–	1.06×10 ¹	–
UPR-200-W-107	UPR-200-W-107	L	Site consolidated with Site WIDS ID 216-U-10												
216-S-25	216-S-25 Crib	L	–	9.95	2.57×10 ¹	5.57	–	8.08×10 ¹	2.23×10 ⁵	–	–	–	–	6.89×10 ¹	–
216-S-1&2	216-S-1 & 216-S-2 Cribs	L	–	–	–	–	–	–	2.11×10 ⁵	–	–	–	–	2.22×10 ³	–
216-S-8	216-S-8 Trench	L	–	–	3.05×10 ²	3.24	–	1.07×10 ³	1.87×10 ⁶	–	–	–	–	3.10×10 ²	–
UPR-200-W-95	UPR-200-W-95	L	–	–	1.21×10 ³	1.29×10 ⁵	–	4.24×10 ³	7.43	–	–	–	–	1.23×10 ³	–

^a To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-74a. Map 9E: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-U-5	216-U-5 Trench	L	-	-	-	-	-	-	-	-	-	-	9.41×10 ²	-	-
216-U-6	216-U-6 Trench	L	-	-	-	-	-	-	-	-	-	-	9.41×10 ²	-	-
221-U	221-U Process Canyon	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
241-WR-Vault	241-WR Vault	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-15	216-U-15 Trench	L	-	-	4.62	-	-	-	-	-	-	-	1.78×10 ¹	-	-
UPR-200-W-138	UPR-200-W-138	L	-	-	7.46×10 ⁻⁵	-	-	-	-	-	-	-	1.61×10 ⁻³	-	3.68×10 ⁻¹
200-W-44	200-W-44 Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-7	216-U-7 French Drain	L	-	-	7.67×10 ⁻⁸	-	-	-	-	-	-	-	1.82×10 ⁻⁴	-	3.91×10 ⁻³
UPR-200-W-101	UPR-200-W-101 Unplanned Release	L	-	-	2.26×10 ⁻⁵	-	-	-	-	-	-	-	4.88×10 ⁻⁴	-	1.12×10 ⁻¹
216-U-4	216-U-4 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	1.25×10 ²	-	1.55
216-U-4A	216-U-4A French Drain	L	-	-	-	-	-	-	-	-	-	-	4.85×10 ⁻¹	-	7.20×10 ⁻²
216-U-1&2	216-U-1 & 2 Cribs	L	-	-	9.27×10 ²	-	-	-	-	-	-	-	2.15×10 ²	-	2.56×10 ²
241-U-361	241-U-361 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-39	UPR-200-W-39 Unplanned Release	L	-	-	1.93×10 ⁻⁶	-	-	-	-	-	-	-	4.17×10 ⁻⁵	-	9.55×10 ⁻³
200-W-42 ^a	200-W-42 Process Sewer	L	-	-	5.61×10 ⁻⁵	-	-	-	-	-	-	-	1.21×10 ⁻³	-	2.75×10 ⁻¹
UPR-200-W-163	UPR-200-W-163 Unplanned Release	L	-	-	1.48×10 ⁻⁴	-	-	-	-	-	-	-	3.20×10 ⁻³	-	7.31×10 ⁻¹
216-U-16	216-U-16 Crib	L	-	-	8.68×10 ³	-	-	-	-	-	-	-	-	-	1.55×10 ²
216-S-9	216-S-9 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-23	216-S-23 Crib	L	-	-	-	-	-	-	-	-	-	-	1.28×10 ⁻³	-	-
216-U-8	216-U-8 Crib	L	-	-	1.49	-	-	-	-	-	-	-	3.21×10 ¹	-	7.30×10 ³
216-U-12	216-U-12 Crib	L	-	-	2.25	-	-	-	-	-	-	-	1.91×10 ¹	-	3.71×10 ³

^a This site was consolidated with another site for purposes of modeling.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-74b. Map 9E: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-U-5	216-U-5 Trench	L	-	5.23×10 ¹	-	1.09	-	2.50×10 ²	6.31×10 ⁴	-	-	-	-	6.35×10 ²	-
216-U-6	216-U-6 Trench	L	-	5.23×10 ¹	-	1.09	-	2.50×10 ²	6.31×10 ⁴	-	-	-	-	6.34×10 ²	-
221-U	221-U Process Canyon	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
241-WR-Vault	241-WR Vault	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-15	216-U-15 Trench	L	-	-	-	-	-	4.73	5.27×10 ²	-	-	-	-	9.93	-
UPR-200-W-138	UPR-200-W-138	L	-	-	1.34×10 ⁻⁴	5.50×10 ⁻⁵	-	8.21×10 ⁻⁴	2.27×10 ²	-	-	-	-	1.29×10 ¹	-
200-W-44	200-W-44 Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-U-7	216-U-7 French Drain	L	-	1.82×10 ⁻⁸	2.65×10 ⁻⁹	3.49×10 ⁻¹¹	-	1.52×10 ⁻⁴	2.11	-	-	-	-	9.80×10 ⁻⁹	-
UPR-200-W-101	UPR-200-W-101 Unplanned Release	L	-	-	4.07×10 ⁻⁵	1.66×10 ⁻⁵	-	2.49×10 ⁻⁴	6.87×10 ¹	-	-	-	-	3.89	-
216-U-4	216-U-4 Reverse Well	L	-	-	9.07×10 ⁻³	-	-	3.21×10 ¹	3.39×10 ³	-	-	-	-	1.49×10 ⁻²	-
216-U-4A	216-U-4A French Drain	L	-	2.86×10 ⁻¹	3.00×10 ⁻³	1.20×10 ⁻²	-	5.13×10 ⁻²	5.66	-	-	-	-	2.87	-
216-U-1&2	216-U-1 & 2 Cribs	L	-	-	9.37×10 ⁻²	3.18×10 ⁻²	-	8.54×10 ¹	1.73×10 ⁵	-	-	-	-	3.96×10 ³	-
241-U-361	241-U-361 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	6.90×10 ⁴	-
UPR-200-W-39	UPR-200-W-39 Unplanned Release	L	-	-	3.47×10 ⁻⁶	1.42×10 ⁻⁶	-	2.12×10 ⁻⁵	5.87	-	-	-	-	3.32×10 ⁻¹	-
200-W-42 ^a	200-W-42 Process Sewer	L	-	-	1.01×10 ⁻⁴	3.23×10 ⁻⁵	-	6.17×10 ⁻⁴	1.70×10 ²	-	-	-	-	4.59×10 ⁻⁴	-
UPR-200-W-163	UPR-200-W-163 Unplanned Release	L	-	-	2.67×10 ⁻⁴	1.06×10 ⁻⁴	-	1.63×10 ⁻³	4.53×10 ²	-	-	-	-	2.22×10 ¹	-
216-U-16	216-U-16 Crib	L	-	1.53	4.32	1.60×10 ⁻¹	-	2.46	1.66×10 ⁴	-	-	-	-	1.26×10 ⁻¹	-
216-S-9	216-S-9 Crib	L	-	-	-	-	-	-	4.18×10 ⁴	-	-	-	-	2.76×10 ²	-
216-S-23	216-S-23 Crib	L	-	9.68×10 ⁻⁶	9.38×10 ⁻⁶	3.32×10 ⁻²	-	5.30×10 ⁻⁵	4.20×10 ³	-	-	-	-	1.57×10 ⁻⁵	-
216-U-8	216-U-8 Crib	L	-	-	2.67	8.79×10 ⁻¹	-	1.63×10 ¹	4.56×10 ⁶	-	-	-	-	2.55×10 ⁴	-
216-U-12	216-U-12 Crib	L	-	1.81×10 ⁻⁷	1.35	4.39×10 ⁻¹	-	9.17	2.28×10 ⁶	-	-	-	-	6.46×10 ³	-

^a This site was consolidated with another site for purposes of modeling.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-75a. Map 9F: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-S-19	216-S-19 Pond	L	-	-	-	-	-	-	-	-	-	-	6.56×10 ²	-	1.64×10 ²
216-S-14	216-S-14 Trench	L	-	-	-	-	-	-	-	-	-	-	2.94×10 ⁻¹	-	-
216-S-7	216-S-7 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-W-32 ^a	UPR-200-W-32	L	-	-	1.66×10 ⁻⁶	-	-	-	-	-	-	-	3.58×10 ⁻⁵	-	8.18×10 ⁻³
216-S-13	216-S-13 Crib	L	-	-	9.75×10 ⁻³	-	-	-	-	-	-	-	1.21×10 ¹	-	4.79×10 ¹
216-S-12	216-S-12 Trench	L	-	-	-	-	-	-	-	-	-	-	6.40×10 ⁻³	-	-
200-W-22	200-W-22 Unplanned Release	L	-	-	1.61×10 ⁻⁷	-	-	-	-	-	-	-	3.47×10 ⁻⁶	-	7.93×10 ⁻⁴
233-S	233-S Plutonium Concentration Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-69	200-W-69 Lab Complex (includes 222-S Lab, 222-S DMWSA, 219-S, 222-SA, 296-S-21, 296-S-16, 296-S-23 296-S-13)	L/S	-	-	-	-	-	-	-	-	-	-	-	-	1.18×10 ¹
UPR-200-W-61	UPR-200-W-61	L	-	-	-	-	-	-	-	-	-	-	2.39	-	-
202-S	202-S (REDOX)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
291-S	291-S Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-20	216-S-20 Crib	L	-	-	-	-	-	-	-	-	-	-	5.88×10 ³	-	1.60×10 ¹
216-S-22	216-S-22 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-26	216-S-26 Crib	L	-	-	-	-	-	-	-	-	-	-	1.11×10 ²	-	2.76×10 ¹
218-W-7 ^b	218-W-7 Burial Ground (222-S Vault)	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

^b Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; REDOX=Reduction-Oxidation (Facility); S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-75b. Map 9F: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-S-19	216-S-19 Pond	L	-	6.56×10 ²	9.51	2.62×10 ¹	-	-	7.54×10 ²	-	-	-	-	6.87×10 ⁻¹	-
216-S-14	216-S-14 Trench	L	-	-	-	-	-	1.14×10 ⁻²	1.78×10 ²	-	-	-	-	7.36×10 ⁻²	-
216-S-7	216-S-7 Crib	L	-	-	-	-	-	-	4.32×10 ⁵	-	-	-	-	3.41×10 ³	-
UPR-200-W-32 ^a	UPR-200-W-32	L	-	-	2.98×10 ⁻⁶	1.22×10 ⁻⁶	-	1.82×10 ⁻⁵	5.03	-	-	-	-	2.83×10 ⁻¹	-
216-S-13	216-S-13 Crib	L	-	-	1.76×10 ⁻²	5.62×10 ⁻³	-	5.69×10 ⁻¹	3.67×10 ⁴	-	-	-	-	3.05	-
216-S-12	216-S-12 Trench	L	-	4.92×10 ⁻⁵	2.14×10 ⁻⁶	2.97×10 ⁻⁷	-	1.26×10 ⁻⁴	3.06×10 ²	-	-	-	-	3.21	-
200-W-22	200-W-22 Unplanned Release	L	-	-	2.89×10 ⁻⁷	1.18×10 ⁻⁷	-	1.77×10 ⁻⁶	4.88×10 ⁻¹	-	-	-	-	2.77×10 ⁻²	-
233-S	233-S Plutonium Concentration Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-W-69	200-W-69 Lab Complex (includes 222-S Lab, 222-S DMWSA, 219-S, 222-SA, 296-S-21, 296-S-16, 296-S-23, 296-S-13)	L/S	-	-	-	-	-	-	1.55×10 ²	-	-	-	-	-	-
UPR-200-W-61	UPR-200-W-61	L	-	2.63×10 ⁻¹¹	2.54×10 ⁻²	2.70×10 ⁻⁴	-	8.90×10 ⁻²	1.56×10 ²	-	-	-	-	2.58×10 ⁻²	-
202-S	202-S (REDOX)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
291-S	291-S Sand Filter	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-S-20	216-S-20 Crib	L	-	6.34×10 ¹	7.04×10 ⁻¹	2.64	-	1.50×10 ³	1.69×10 ⁵	-	-	-	-	5.64×10 ²	-
216-S-22	216-S-22 Crib	L	-	-	-	-	-	-	6.44×10 ¹	-	-	-	-	4.52×10 ⁻⁸	-
216-S-26	216-S-26 Crib	L	-	1.11×10 ²	1.60	4.42	-	7.12×10 ⁻⁵	1.27×10 ²	-	-	-	-	1.16×10 ⁻¹	-
218-W-7 ^b	218-W-7 Burial Ground (222-S Vault)	S	-	-	-	-	-	-	-	-	-	-	-	6.85×10 ⁻¹	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

^b Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; REDOX=Reduction-Oxidation (Facility); S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-76a. Map 10: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
600-148 ^a	Environmental Restoration Disposal Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
N/A ^a	US Ecology	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-W-LWC	216-W-LWC Crib	L	-	-	-	-	-	-	-	-	-	-	3.23×10 ¹	-	7.21×10 ²
216-U-17	216-U-17 Crib	L	-	-	3.00×10 ⁻²	-	-	-	-	-	-	-	6.47×10 ⁻¹	-	1.47×10 ²

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; N/A=not applicable; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; US Ecology=US Ecology Commercial Low-Level Radioactive Waste Disposal Site; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-76b. Map 10: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate from HNO ₃ and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
600-148 ^a	Environmental Restoration Disposal Facility	S	-	-	-	-	-	-	-	-	-	-	-	8.04×10 ⁵	-
N/A ^a	US Ecology	S	-	-	-	-	-	-	-	-	-	-	-	4.51×10 ⁶	-
216-W-LWC	216-W-LWC Crib	L	-	1.09×10 ²	6.71×10 ¹	3.13×10 ⁻¹	-	4.89×10 ¹	1.38×10 ³	-	-	-	-	2.87	-
216-U-17	216-U-17 Crib	L	-	-	5.39×10 ⁻²	1.72×10 ⁻²	-	3.30×10 ⁻¹	9.08×10 ⁴	-	-	-	-	2.46×10 ⁻¹	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; N/A=not applicable; NO₂=nitrogen dioxide; S=solid; US Ecology=US Ecology Commercial Low-Level Radioactive Waste Disposal Site; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-77a. Map 11: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
218-E-10 ^a	218-E-10 Trench	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-23	UPR-200-E-23	S	Site consolidated with Site WIDS ID 218-E-10												
UPR-200-E-24	UPR-200-E-24	S	Site consolidated with Site WIDS ID 218-E-10												
216-B-50	216-B-50 Crib	L	-	-	5.64×10 ⁻¹	-	-	-	-	-	-	-	1.48×10 ¹	-	7.59
216-B-57	216-B-57 Crib	L	-	-	1.69	-	-	-	-	-	-	-	2.42×10 ¹	-	1.27×10 ¹
UPR-200-E-9	UPR-200-E-9	L	-	-	2.83×10 ⁻²	-	-	-	-	-	-	-	6.91	-	-
216-B-11A & B	216-B-11A & B	L	-	-	6.08×10 ⁻⁴	-	-	-	-	-	-	-	4.72×10 ⁻¹	-	3.60
216-B-51	216-B-51 French Drain	L	-	-	-	-	-	-	-	-	-	-	1.72×10 ⁻¹	-	4.05
218-E-5 ^a	218-E-5 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-E-5A ^a	218-E-5A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-E-2	218-E-2 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-79	UPR-200-E-79 Unplanned Release	L	-	-	2.34×10 ⁻³	-	-	-	-	-	-	-	1.82	-	1.38×10 ¹
UPR-200-E-78	UPR-200-E-78 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	6.13×10 ⁻²	-	-
218-E-4 ^a	218-E-4 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-5	216-B-5 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	3.79×10 ³	-	5.63×10 ⁴
216-B-9	216-B-9 Crib	L	-	-	-	-	-	-	-	-	-	-	6.40×10 ²	-	9.53×10 ³
216-B-59	216-B-59 Trench	L	-	-	6.99×10 ⁻¹²	-	-	-	-	-	-	-	5.88×10 ⁻⁶	-	6.36×10 ⁻²
241-B-361	241-B-361 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-7	UPR-200-E-7 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	4.15×10 ⁻¹	-	5.22

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Table S-77a. Map 11: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
221-B	221-B B Plant/Canyon	S	-	-	-	-	-	-	-	-	4.20×10 ⁻¹	-	1.86×10 ¹	-	-
200-E-28	200-E-28 UPR	L	-	-	-	-	-	-	-	-	-	-	-	-	-
200-E-97	200-E-97 French Drain	L	-	-	-	-	-	-	-	-	-	-	1.95×10 ⁻³	-	2.04×10 ⁻²
200-E-98 ^b	200-E-98 French Drain	L	-	-	-	-	-	-	-	-	-	-	1.63×10 ⁻³	-	1.70×10 ⁻²
WESF	WESF (Building 225-B)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-62	216-B-62 Crib	L	-	-	4.10×10 ⁻⁹	-	-	-	-	-	-	-	2.96×10 ¹	-	3.77×10 ¹
216-B-12	216-B-12 Crib	L	-	-	9.58×10 ⁻¹	-	-	-	-	-	-	-	5.61×10 ²	-	4.74×10 ³
216-B-55	216-B-55 Crib	L	-	-	1.75×10 ⁻⁸	-	-	-	-	-	-	-	1.47×10 ⁻²	-	1.60×10 ²
212-B	212-B Cask Loading Station	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-60	216-B-60 Crib	L	-	-	-	-	-	-	-	-	-	-	7.87	-	-
UPR-200-E-84	UPR-200-E-84 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	-	-	-
224-B	224-B Plutonium Concentration Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-87	UPR-200-E-87 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	9.41	-	1.37×10 ²
UPR-200-E-1 ^b	UPR-200-E-1 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	7.30	-	7.64×10 ¹
UPR-200-E-3 ^b	UPR-200-E-3 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	1.18×10 ⁻¹	-	1.24
UPR-200-E-85	UPR-200-E-85 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	4.08	-	9.07×10 ⁻²

Table S-77a. Map 11: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-B-4	216-B-4 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	5.57×10 ⁻⁴	-	5.83×10 ⁻³
216-B-6	216-B-6 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	2.50×10 ³	-	-
200-E-30	200-E-30 Sand Filter (291-B Sand Filter)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-E-55	200-E-55 French Drain	L	-	-	-	-	-	-	-	-	-	-	1.91×10 ⁻³	-	2.00×10 ⁻²
200-E-95	200-E-95 French Drain	L	-	-	-	-	-	-	-	-	-	-	1.95×10 ⁻³	-	2.04×10 ⁻²
216-B-10A	216-B-10A Crib	L	-	-	2.51×10 ⁻⁵	-	-	-	-	-	-	-	4.22×10 ¹	-	5.88
216-B-10B	216-B-10B Crib	L	-	-	-	-	-	-	-	-	-	-	1.17×10 ¹	-	-
UPR-200-E-77	UPR-200-E-77 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	6.33×10 ⁻³	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-77b. Map 11: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
218-E-10 ^a	218-E-10 Trench	S	-	4.53×10 ⁵	-	-	-	-	-	-	-	-	-	8.28×10 ²	-
UPR-200-E-23	UPR-200-E-23	S	Site consolidated with Site WIDS ID 218-E-10												
UPR-200-E-24	UPR-200-E-24	S	Site consolidated with Site WIDS ID 218-E-10												
216-B-50	216-B-50 Crib	L	-	5.94×10 ⁻¹	2.01×10 ⁻¹	7.85×10 ⁻¹	-	3.55×10 ⁻²	1.64×10 ²	-	-	-	-	2.88×10 ⁻²	-
216-B-57	216-B-57 Crib	L	-	9.86×10 ⁻¹	3.21×10 ⁻¹	1.21	-	1.07×10 ⁻¹	4.34×10 ²	-	-	-	-	5.94×10 ⁻²	-
UPR-200-E-9	UPR-200-E-9	L	-	-	-	1.33×10 ⁻²	-	3.90	7.99×10 ³	-	-	-	-	1.29	-
216-B-11A & B	216-B-11A & B	L	-	4.34×10 ⁻¹	2.09×10 ⁻¹	2.52×10 ⁻¹	-	1.07×10 ⁻¹	2.56×10 ²	-	-	-	-	4.21×10 ⁻²	-
216-B-51	216-B-51 French Drain	L	-	-	-	3.19×10 ⁻⁴	-	1.05×10 ⁻¹	1.99×10 ²	-	-	-	-	3.10×10 ⁻²	-
218-E-5 ^a	218-E-5 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	1.20×10 ²	-
218-E-5A ^a	218-E-5A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	1.20×10 ²	-
218-E-2	218-E-2 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-79	UPR-200-E-79 Unplanned Release	L	-	-	-	1.25×10 ⁻³	-	4.14×10 ⁻¹	8.83×10 ²	-	-	-	-	1.20×10 ⁻¹	-
UPR-200-E-78	UPR-200-E-78 Unplanned Release	L	-	7.00×10 ⁻²	-	5.00×10 ⁻⁵	-	3.62×10 ⁻²	1.04×10 ¹	-	-	-	-	4.74×10 ⁻³	-
218-E-4 ^a	218-E-4 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	1.01	-
216-B-5	216-B-5 Reverse Well	L	-	-	1.93×10 ³	-	-	1.04×10 ³	9.50×10 ⁵	-	-	-	-	1.05×10 ¹	-
216-B-9	216-B-9 Crib	L	-	-	1.69×10 ¹	-	-	2.02×10 ²	1.71×10 ⁵	-	-	-	-	1.23×10 ¹	-
216-B-59	216-B-59 Trench	L	-	2.65×10 ⁻³	2.41×10 ⁻³	1.17×10 ⁻⁹	-	3.95×10 ⁻⁷	2.41×10 ⁻¹	-	-	-	-	1.12×10 ⁻⁷	-
241-B-361	241-B-361 Settling Tank	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-7	UPR-200-E-7 Unplanned Release	L	-	-	1.68×10 ⁻²	-	-	1.06×10 ⁻¹	9.13×10 ¹	-	-	-	-	4.40×10 ⁻³	-
221-B	221-B B Plant/ Canyon	S	-	9.71×10 ⁴	-	-	-	-	-	-	-	-	-	-	-
200-E-28	200-E-28 UPR	L	-	8.58×10 ⁻³	4.14×10 ⁻³	4.97×10 ⁻³	-	-	5.33×10 ⁻¹	-	-	-	-	2.18×10 ⁻⁴	-

Table S-77b. Map 11: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
200-E-97	200-E-97 French Drain	L	-	2.89×10 ⁻³	1.44×10 ⁻³	1.67×10 ⁻³	-	6.29×10 ⁻⁴	6.20×10 ⁻¹	-	-	-	-	1.82×10 ⁻³	-
200-E-98 ^b	200-E-98 French Drain	L	-	2.38×10 ⁻³	1.19×10 ⁻³	1.38×10 ⁻³	-	5.24×10 ⁻⁴	5.16×10 ⁻¹	-	-	-	-	1.51×10 ⁻³	-
WESF	WESF (Building 225-B)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-62	216-B-62 Crib	L	-	3.11	1.74	1.08×10 ⁻²	-	3.56	1.75×10 ³	-	-	-	-	1.04	-
216-B-12	216-B-12 Crib	L	-	3.54	3.75	2.14	-	1.59×10 ²	2.86×10 ⁶	-	-	-	-	1.51×10 ⁴	-
216-B-55	216-B-55 Crib	L	-	6.65	6.04	2.94×10 ⁻⁶	-	9.90×10 ⁻⁴	6.05×10 ²	-	-	-	-	2.80×10 ⁻⁴	-
212-B	212-B Cask Loading Station	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-60	216-B-60 Crib	L	-	-	-	-	-	2.17	2.12×10 ²	-	-	-	-	6.33×10 ⁻¹	-
UPR-200-E-84	UPR-200-E-84 Unplanned Release	L	-	-	-	-	-	-	4.22	-	-	-	-	7.81×10 ⁻⁴	-
224-B	224-B Plutonium Concentration Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-87	UPR-200-E-87 Unplanned Release	L	-	-	1.40×10 ²	-	-	2.48	2.28×10 ³	-	-	-	-	5.39×10 ⁻⁴	-
UPR-200-E-1 ^b	UPR-200-E-1 Unplanned Release	L	-	-	-	-	-	2.03	2.28×10 ³	-	-	-	-	6.33×10 ⁻¹	-
UPR-200-E-3 ^b	UPR-200-E-3 Unplanned Release	L	-	-	-	1.07×10 ⁻⁴	-	3.29×10 ⁻²	3.64×10 ¹	-	-	-	-	1.02×10 ⁻²	-
UPR-200-E-85	UPR-200-E-85 Unplanned Release	L	-	2.51×10 ⁻¹	4.40×10 ⁻²	8.06×10 ⁻⁴	-	2.65×10 ⁻¹	3.27×10 ²	-	-	-	-	7.76×10 ⁻²	-
216-B-4	216-B-4 Reverse Well	L	-	-	1.43×10 ⁻⁵	1.68×10 ⁻⁷	-	1.80×10 ⁻⁴	1.26×10 ⁻¹	-	-	-	-	4.98×10 ⁻⁴	-
216-B-6	216-B-6 Reverse Well	L	-	-	-	-	-	6.42×10 ²	6.73×10 ⁴	-	-	-	-	2.98×10 ⁻¹	-
200-E-30	200-E-30 Sand Filter (291-B Sand Filter)	S	-	-	-	-	-	-	-	-	-	-	-	-	-
200-E-55	200-E-55 French Drain	L	-	2.88×10 ⁻³	1.44×10 ⁻³	1.67×10 ⁻³	-	6.16×10 ⁻⁴	6.11×10 ⁻¹	-	-	-	-	1.78×10 ⁻³	-

Table S-77b. Map 11: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
200-E-95	200-E-95 French Drain	L	-	2.69×10 ⁻³	1.35×10 ⁻³	1.56×10 ⁻³	-	6.29×10 ⁻⁴	6.09×10 ⁻¹	-	-	-	-	1.81×10 ⁻³	-
216-B-10A	216-B-10A Crib	L	-	-	1.42×10 ⁻²	1.85×10 ⁻⁴	-	1.09×10 ¹	1.32×10 ³	-	-	-	-	4.83	-
216-B-10B	216-B-10B Crib	L	-	-	-	-	-	3.00	3.14×10 ²	-	-	-	-	2.63×10 ⁻⁸	-
UPR-200-E-77	UPR-200-E-77 Unplanned Release	L	-	-	-	-	-	3.57×10 ⁻³	4.36×10 ⁻¹	-	-	-	-	3.30×10 ⁻²	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-78a. Map 12: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
218-E-12B ^a	218-E-12B Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-E-12A ^a	218-E-12A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-63	216-B-63 Ditch	L	-	-	1.00×10 ⁻³	-	-	-	-	-	-	-	1.38×10 ¹	-	1.12×10 ³
216-B-2-2	216-B-2-2 Ditch	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-2-1	216-B-2-1 Ditch	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-138	UPR-200-E-138 Unplanned Release	L	Site consolidated with Site WIDS ID 216-B-3												

Table S-78a. Map 12: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes Hexavalent Chromium and Chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluoride and fluorine from HF)
218-E-8 ^a	218-E-8 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-E-1 ^a	218-E-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-B-3 ^b	216-B-3 Pond	L	-	-	4.26×10 ⁴	-	-	-	-	-	-	4.68×10 ³	1.41×10 ³	-	4.61×10 ⁴
216-B-3A Pond / 216-B-3A RAD	216-B-3A Pond / 216-B-3A RAD	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-3B Pond / 216-B-3B-RAD	216-B-3B Pond / 216-B-3B-RAD	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-3C Pond / 216-B-3C RAD	216-B-3C Pond / 216-B-3C RAD	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-14	UPR-200-E-14 Unplanned Release	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-34	UPR-200-E-34 Unplanned Release	L	Site consolidated with Site WIDS ID 216-A-25 and 216-B-3												
N/A	Greater-Than-Class C Proposed Disposal Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; N/A=not applicable; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-78b. Map 12: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
218-E-12B ^a	218-E-12B Burial Ground	S	-	1.06×10 ¹⁰	-	-	-	-	-	1.82×10 ⁶	-	-	-	2.61×10 ²	-
218-E-12A ^a	218-E-12A Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	9.88×10 ²	-
216-B-63	216-B-63 Ditch	L	-	1.06	4.62×10 ¹	7.81×10 ⁻¹	-	1.11×10 ⁻²	3.14×10 ³	-	-	-	-	1.78×10 ²	-
216-B-2-2	216-B-2-2 Ditch	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-2-1	216-B-2-1 Ditch	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-138	UPR-200-E-138 Unplanned Release	L	Site consolidated with Site WIDS ID 216-B-3												
218-E-8 ^a	218-E-8 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	1.99	-
218-E-1 ^a	218-E-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	3.99×10 ²	-
216-B-3 ^b	216-B-3 Pond	L	-	5.88×10 ³	2.27×10 ³	2.79×10 ²	-	2.50×10 ²	2.94×10 ⁵	-	-	-	-	2.79×10 ³	-
216-B-3A Pond / 216-B-3A RAD	216-B-3A Pond / 216-B-3A RAD	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-3B Pond / 216-B-3B-RAD	216-B-3B Pond / 216-B-3B-RAD	L	Site consolidated with Site WIDS ID 216-B-3												
216-B-3C Pond / 216-B-3C RAD	216-B-3C Pond / 216-B-3C RAD	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-14	Unplanned Release UPR-200-E-14	L	Site consolidated with Site WIDS ID 216-B-3												
UPR-200-E-34	Unplanned Release UPR-200-E-34	L	Site consolidated with Site WIDS ID 216-A-25 and 216-B-3												
N/A	Greater-Than-Class C Proposed Disposal Facility	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Total uranium inventories were calculated using the appropriate uranium isotopes' inventories reported for these sites and are now provided in the final inventory database.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; N/A=not applicable; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-79a. Map 12A: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6- Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-C-9	216-C-9 Swamp	L	-	-	1.37×10 ⁻⁸	-	-	-	-	-	-	-	1.15×10 ⁻²	-	1.32×10 ²
218-C-9	218-C-9 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-141 ^a	UPR-200-E-141	L	-	-	1.04×10 ⁻⁶	-	-	-	-	-	-	-	2.26×10 ⁻⁵	-	5.16×10 ⁻³
200-E-56 ^a	200-E-56 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	3.01×10 ¹	-	-
201-C	201-C Process Building	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
216-C-1	216-C-1 Hot Semi Work Crib	L	-	-	-	-	-	-	-	-	-	-	5.77×10 ⁴	-	-
216-C-3	216-C-3 Hot Semi Work Crib	L	-	-	2.52×10 ⁻²	-	-	-	-	-	-	-	5.85×10 ⁻¹	-	1.24×10 ²
216-C-4	216-C-4 Hot Semi Work Crib	L	-	-	-	-	-	-	-	-	-	-	1.04×10 ⁻⁶	-	-
216-C-5	216-C-5 Hot Semi Work Crib	L	-	-	-	-	-	-	-	-	-	-	1.63×10 ¹	-	-
216-C-6	216-C-6 Hot Semi Work Crib	L	-	-	-	-	-	-	-	-	-	-	2.82×10 ⁻⁶	-	-
216-C-10	216-C-10 Hot Semi Work Crib	L	-	-	-	-	-	-	-	-	-	-	7.96×10 ⁻²	-	-
216-C-2	216-C-2 Semi Works Reverse Well	L	-	-	-	-	-	-	-	-	-	-	-	-	-
200-E-57 ^a	200-E-57 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	4.51×10 ¹	-	-
241-CX-72	241-CX-72 Storage Tank and Vault	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
291-C-1	291-C-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-79b. Map 12A: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-C-9	216-C-9 Swamp	L	-	5.98	5.47	4.39×10 ⁻¹	-	7.74×10 ⁻⁴	5.20×10 ²	-	-	-	-	4.52×10 ⁻²	-
218-C-9	218-C-9 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-141 ^a	UPR-200-E-141	L	-	-	1.88×10 ⁻⁶	7.69×10 ⁻⁷	-	1.15×10 ⁻⁵	3.18	-	-	-	-	1.80×10 ⁻¹	-
200-E-56 ^a	200-E-56 Unplanned Release	L	-	3.43×10 ¹	-	2.45×10 ⁻²	-	1.77×10 ¹	5.10×10 ³	-	-	-	-	2.35	-
201-C	201-C Process Building	L/S	-	2.27×10 ³	-	-	-	-	-	-	-	-	-	-	-
216-C-1	216-C-1 Hot Semi Work Crib	L	-	9.15×10 ¹	5.94×10 ²	7.70	-	2.51×10 ³	3.76×10 ⁶	-	-	-	-	9.08×10 ²	-
216-C-3	216-C-3 Hot Semi Work Crib	L	-	4.54×10 ⁻²	4.54×10 ⁻²	1.46×10 ⁻²	-	3.01×10 ⁻¹	7.65×10 ⁴	-	-	-	-	4.54	-
216-C-4	216-C-4 Hot Semi Work Crib	L	-	2.49×10 ⁻³	1.20×10 ⁻³	1.47×10 ⁻³	-	5.89×10 ⁻²	5.67	-	-	-	-	3.17×10 ⁻³	-
216-C-5	216-C-5 Hot Semi Work Crib	L	-	9.03×10 ⁻¹	-	2.50×10 ⁻²	-	4.49	1.09×10 ³	-	-	-	-	2.07×10 ¹	-
216-C-6	216-C-6 Hot Semi Work Crib	L	-	-	-	8.75×10 ⁻⁵	-	1.59×10 ⁻¹	2.83×10 ²	-	-	-	-	1.78	-
216-C-10	216-C-10 Hot Semi Work Crib	L	-	1.04×10 ⁻¹	6.34×10 ⁻³	7.67×10 ⁻³	-	4.70×10 ⁻²	1.43×10 ¹	-	-	-	-	6.52×10 ⁻³	-
216-C-2	216-C-2 Semi Works Reverse Well	L	-	4.62×10 ⁻²	2.23×10 ⁻²	2.68×10 ⁻²	-	-	2.86	-	-	-	-	1.18×10 ⁻³	-
200-E-57 ^a	200-E-57 Unplanned Release	L	-	5.15×10 ¹	-	3.67×10 ⁻²	-	2.66×10 ¹	7.65×10 ³	-	-	-	-	3.51	-
241-CX-72	241-CX-72 Storage Tank and Vault	L/S	-	-	-	-	-	-	-	-	-	-	-	-	-
291-C-1	291-C-1 Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-80a. Map 12B: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
UPR-200-E-86	UPR-200-E-86	L	-	-	-	-	-	-	-	-	-	-	6.04×10 ¹	-	8.43×10 ⁻¹
216-A-40	216-A-40 Trench	L	-	-	1.39×10 ⁻¹¹	-	-	-	-	-	-	-	1.17×10 ⁻⁵	-	1.26×10 ⁻¹
216-A-41	216-A-41 Crib	L	-	-	7.83×10 ⁻⁸	-	-	-	-	-	-	-	1.86×10 ⁻⁴	-	3.99×10 ⁻³
216-A-9	216-A-9 Crib	L	-	-	3.60×10 ²	-	-	-	-	-	-	-	8.36×10 ²	-	1.32×10 ²
216-A-3	216-A-3 Crib	L	-	-	1.53×10 ⁻²	-	-	-	-	-	-	-	3.39×10 ⁻¹	-	7.56×10 ¹
216-A-39	216-A-39 Crib	L	-	-	-	-	-	-	-	-	-	-	8.47×10 ⁻³	-	-
216-A-18	216-A-18 Trench	L	-	-	-	-	-	-	-	-	-	-	2.04×10 ²	-	-
216-A-1	216-A-1 Crib	L	-	-	-	-	-	-	-	-	-	-	4.11×10 ¹	-	-
216-A-7	216-A-7 Crib	L	-	-	1.32×10 ⁵	-	-	-	-	-	-	-	4.84×10 ⁻³	-	1.05×10 ⁻²
UPR-200-E-145	UPR-200-E-145	L	-	-	3.13×10 ⁻⁵	-	-	-	-	-	-	-	6.77×10 ⁻⁴	-	1.55×10 ⁻¹
216-A-16	216-A-16 French Drain	L	-	-	1.34×10 ⁻⁶	-	-	-	-	-	-	-	3.17×10 ⁻³	-	6.81×10 ⁻²
216-A-17	216-A-17 French Drain	L	-	-	6.57×10 ⁻⁷	-	-	-	-	-	-	-	1.56×10 ⁻³	-	3.35×10 ⁻²
242-A	242-A Evaporator	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-22	216-A-22 Crib (French Drain)	L	-	-	3.70×10 ⁻¹	-	-	-	-	-	-	-	-	-	4.93×10 ⁻³
216-A-28	216-A-28 French Drain	L	-	-	1.43×10 ⁻⁴	-	-	-	-	-	-	-	3.09×10 ⁻³	-	7.07×10 ⁻¹
216-A-32	216-A-32 Crib	L	-	-	4.39×10 ⁻⁸	-	-	-	-	-	-	-	1.04×10 ⁻⁴	-	2.24×10 ⁻³
200-E-78	200-E-78 Reverse Well	L	-	-	-	-	-	-	-	-	-	-	-	-	2.51×10 ⁻²

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-80b. Map 12B: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
UPR-200-E-86	UPR-200-E-86	L	-	3.17	6.64×10 ⁻¹	2.20×10 ⁻²	-	7.26	3.28×10 ³	-	-	-	-	2.11	-
216-A-40	216-A-40 Trench	L	-	5.25×10 ⁻³	4.78×10 ⁻³	2.32×10 ⁻⁹	-	7.83×10 ⁻⁷	4.78×10 ⁻¹	-	-	-	-	2.22×10 ⁻⁷	-
216-A-41	216-A-41 Crib	L	-	1.86×10 ⁻⁸	2.71×10 ⁻⁹	3.56×10 ⁻¹¹	-	1.55×10 ⁻⁴	4.03	-	-	-	-	3.40×10 ⁻⁴	-
216-A-9	216-A-9 Crib	L	-	1.54	8.60	3.20×10 ⁻²	-	6.42×10 ²	2.18×10 ⁴	-	-	-	-	1.89×10 ³	-
216-A-3	216-A-3 Crib	L	-	-	2.75×10 ⁻²	1.13×10 ⁻²	-	1.70×10 ⁻¹	4.65×10 ⁴	-	-	-	-	2.64×10 ³	-
216-A-39	216-A-39 Crib	L	-	2.98×10 ⁻³	-	6.49×10 ⁻⁶	-	2.14×10 ⁻³	9.13×10 ⁻¹	-	-	-	-	6.21×10 ⁻⁴	-
216-A-18	216-A-18 Trench	L	-	1.13×10 ¹	-	5.82×10 ⁻¹	-	6.33×10 ¹	1.37×10 ⁴	-	-	-	-	6.82×10 ²	-
216-A-1	216-A-1 Crib	L	-	2.29	-	1.17×10 ⁻¹	-	1.28×10 ¹	2.76×10 ³	-	-	-	-	1.38×10 ²	-
216-A-7	216-A-7 Crib	L	-	4.08×10 ⁻⁴	1.16×10 ⁻³	8.49×10 ⁻⁶	-	7.33×10 ⁻⁴	1.49×10 ³	-	-	-	-	4.81×10 ²	-
UPR-200-E-145	UPR-200-E- 145	L	-	-	5.64×10 ⁻⁵	2.31×10 ⁻⁵	-	3.45×10 ⁻⁴	9.53×10 ¹	-	-	-	-	5.41	-
216-A-16	216-A-16 French Drain	L	-	3.18×10 ⁻⁷	4.62×10 ⁻⁸	6.08×10 ⁻¹⁰	-	2.65×10 ⁻³	3.67×10 ¹	-	-	-	-	1.71×10 ⁻⁷	-
216-A-17	216-A-17 French Drain	L	-	1.56×10 ⁻⁷	2.27×10 ⁻⁸	2.99×10 ⁻¹⁰	-	1.30×10 ⁻³	1.81×10 ¹	-	-	-	-	8.40×10 ⁻⁸	-
242-A	242-A Evaporator	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-22	216-A-22 Crib (French Drain)	L	-	-	8.38×10 ⁻⁵	2.64×10 ⁻⁵	-	4.23×10 ⁻⁴	6.01×10 ⁻¹	-	-	-	-	4.61	-
216-A-28	216-A-28 French Drain	L	-	-	2.57×10 ⁻⁴	1.05×10 ⁻⁴	-	1.57×10 ⁻³	4.35×10 ²	-	-	-	-	6.54×10 ²	-
216-A-32	216-A-32 Crib	L	-	1.04×10 ⁻⁸	1.52×10 ⁻⁹	2.00×10 ⁻¹¹	-	8.70×10 ⁻⁵	1.21	-	-	-	-	5.61×10 ⁻⁹	-
200-E-78	200-E-78 Reverse Well	L	-	-	1.15×10 ⁻³	-	-	-	1.04×10 ⁻¹	-	-	-	-	8.87×10 ⁻³	-

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-81a. Map 12C: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
UPR-200-E-51	UPR-200-E-51	L	Site consolidated with Site WIDS ID 216-A-29												
216-A-24	216-A-24 Crib	L	-	-	1.88×10 ⁴	-	-	-	-	-	-	-	6.49×10 ⁻⁴	-	1.08×10 ²
216-A-6	216-A-6 Crib	L	-	-	3.72×10 ⁻⁴	-	-	-	-	-	-	-	5.00×10 ³	-	4.56×10 ²
216-A-19	216-A-19 Trench	L	-	-	-	-	-	-	-	-	-	-	4.59×10 ²	-	-
216-A-20	216-A-20 Trench	L	-	-	1.04	-	-	-	-	-	-	-	5.65×10 ¹	-	1.07×10 ⁻¹
216-A-8	216-A-8 Crib	L	-	-	1.08×10 ⁵	-	-	-	-	-	-	-	3.90×10 ⁻³	-	1.52×10 ²
216-A-29 ^a	216-A-29 Ditch	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-30	216-A-30 Crib	L	-	-	2.29×10 ⁻³	-	-	-	-	-	-	-	6.04×10 ³	-	1.13×10 ³
216-A-37-1 ^b	216-A-37-1 Crib	L	-	-	4.65×10 ²	-	-	-	-	-	-	6.68×10 ¹	-	-	4.79×10 ¹
216-A-37-2	216-A-37-2 Crib	L	-	-	1.39×10 ²	-	-	-	-	-	-	-	-	-	1.49×10 ²

^a This site was consolidated with another site for purposes of modeling.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-81b. Map 12C: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
UPR-200-E-51	UPR-200-E-51	L	Site consolidated with Site WIDS ID 216-A-29												
216-A-24	216-A-24 Crib	L	–	4.31×10 ¹	1.49×10 ¹	1.65	–	9.86×10 ⁻⁵	6.53×10 ²	–	–	–	–	6.51×10 ¹	–
216-A-6	216-A-6 Crib	L	–	1.36×10 ¹	2.02×10 ¹	2.71×10 ⁻³	–	1.29×10 ³	2.20×10 ⁵	–	–	–	–	1.70×10 ²	–
216-A-19	216-A-19 Trench	L	–	2.55×10 ¹	–	2.79×10 ¹	–	8.41×10 ²	3.08×10 ⁴	–	–	–	–	4.34×10 ⁴	–
216-A-20	216-A-20 Trench	L	–	3.14	1.19×10 ⁻²	4.34×10 ⁻¹	–	2.47×10 ¹	3.79×10 ³	–	–	–	–	6.21×10 ²	–
216-A-8	216-A-8 Crib	L	–	1.16×10 ²	2.49×10 ¹	4.54	–	5.91×10 ⁻⁴	1.83×10 ³	–	–	–	–	3.91×10 ²	–
216-A-29 ^a	216-A-29 Ditch	L	–	–	–	–	–	–	3.24×10 ²	–	–	–	–	–	–
216-A-30	216-A-30 Crib	L	–	3.68×10 ⁻¹	4.68×10 ¹	7.35×10 ⁻³	–	1.63×10 ³	2.30×10 ⁵	–	–	–	–	6.56×10 ²	–
216-A-37-1 ^b	216-A-37-1 Crib	L	–	1.86	5.30	3.87×10 ⁻²	–	–	2.05×10 ²	–	–	–	–	1.93×10 ⁻¹	–
216-A-37-2	216-A-37-2 Crib	L	–	5.55×10 ⁻¹	7.73	1.16×10 ⁻²	–	–	6.18×10 ²	–	–	–	–	4.76×10 ¹	–

^a This site was consolidated with another site for purposes of modeling.

^b To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (–) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-82a. Map 12D: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-A-13	216-A-13 French Drain	L	-	-	1.10×10 ⁻⁷	-	-	-	-	-	-	-	2.60×10 ⁻⁴	-	5.59×10 ⁻³
200-E-61	200-E-61 Reverse Well	L	-	-	1.97×10 ⁻⁵	-	-	-	-	-	-	-	4.67×10 ⁻²	-	1.01
200-E-136	200-E-136 PUREX Plant (202-A and others)	S	-	-	-	-	-	-	-	-	1.29×10 ²	-	-	-	-
UPR-200-E-39	UPR-200-E-39 (at 216-A-36B)	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-200-E-40	UPR-200-E-40	L	-	-	-	-	-	-	-	-	-	-	-	-	-
200-E-85	200-E-85 Reverse Well	L	-	-	1.56×10 ⁻⁵	-	-	-	-	-	-	-	3.70×10 ⁻²	-	7.96×10 ⁻¹
216-A-35	216-A-35 French Drain	L	-	-	1.10×10 ⁻⁷	-	-	-	-	-	-	-	2.60×10 ⁻⁴	-	5.59×10 ⁻³
200-E-54	200-E-54 Unplanned Release	L	-	-	2.20×10 ⁻⁶	-	-	-	-	-	-	-	5.21×10 ⁻³	-	1.12×10 ⁻¹
200-E-103	200-E-103 PUREX Stabilized Area	L	-	-	4.38×10 ⁻⁸	-	-	-	-	-	-	-	1.04×10 ⁻⁴	-	2.23×10 ⁻³
UPR-200-E-117 ^a	UPR-200-E-117	L	-	-	-	-	-	-	-	-	-	-	2.94×10 ⁻¹	-	4.09×10 ⁻³
216-A-2	216-A-2 Crib	L	-	-	1.24×10 ⁵	-	-	-	-	-	-	-	4.56×10 ⁻³	-	-
216-A-26	216-A-26 French Drain	L	-	-	4.23×10 ⁻⁸	-	-	-	-	-	-	-	1.00×10 ⁻⁴	-	2.16×10 ⁻³
216-A-26A	216-A-26A French Drain	L	-	-	1.10×10 ⁻⁸	-	-	-	-	-	-	-	2.60×10 ⁻⁵	-	5.59×10 ⁻⁴
216-A-15	216-A-15 French Drain	L	-	-	-	-	-	-	-	-	-	-	-	-	1.36
200-E-107	200-E-107 Unplanned Release	L	-	-	-	-	-	-	-	-	-	-	1.67	-	-

Table S-82a. Map 12D: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
218-E-14	218-E-14 PUREX Tunnel 1	S	-	-	-	-	-	-	-	-	-	-	-	-	-
218-E-15	218-E-15 PUREX Tunnel 2	S	-	-	-	-	-	-	-	-	6.85×10 ¹	-	9.00	-	-
216-A-4	216-A-4 Crib	L	-	-	3.11×10 ⁻²	-	-	-	-	-	-	-	2.34	-	1.54×10 ²
216-A-5	216-A-5 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-10	216-A-10 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	3.19×10 ¹
216-A-21	216-A-21 Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-27	216-A-27 Crib	L	-	-	2.54×10 ⁻⁴	-	-	-	-	-	-	-	1.06×10 ¹	-	1.29×10 ¹
216-A-31	216-A-31 Crib	L	-	-	1.64×10 ⁴	-	-	-	-	-	-	-	6.00×10 ⁻⁴	-	-
216-A-36-A	216-A-36A Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-36-B	216-A-36B Crib	L	-	-	-	-	-	-	-	-	-	-	-	-	-
216-A-45	216-A-45 Crib	L	-	-	2.53×10 ⁻¹	-	-	-	-	-	-	-	5.45	-	1.24×10 ³

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; PUREX=Plutonium-Uranium Extraction; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-82b. Map 12D: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
216-A-13	216-A-13 French Drain	L	-	2.61×10 ⁻⁸	3.79×10 ⁻⁹	4.99×10 ⁻¹¹	-	2.17×10 ⁻⁴	3.01	-	-	-	-	1.40×10 ⁻⁸	-
200-E-61	200-E-61 Reverse Well	L	-	4.69×10 ⁻⁶	6.82×10 ⁻⁷	8.97×10 ⁻⁹	-	3.91×10 ⁻²	5.42×10 ²	-	-	-	-	2.52×10 ⁻⁶	-
200-E-136	200-E-136 PUREX Plant (202-A and others)	S	-	1.81×10 ⁴	-	1.14×10 ²	-	-	-	-	-	-	-	-	-
UPR-200-E-39	UPR-200-E-39 (at 216-A-36B)	L	-	-	-	-	-	-	6.24	-	-	-	-	2.08×10 ⁻¹	-
UPR-200-E-40	UPR-200-E-40	L	-	-	-	-	-	-	4.80×10 ⁻¹	-	-	-	-	1.59×10 ⁻²	-
200-E-85	200-E-85 Reverse Well	L	-	3.71×10 ⁻⁶	5.40×10 ⁻⁷	7.11×10 ⁻⁹	-	3.10×10 ⁻²	4.29×10 ²	-	-	-	-	2.00×10 ⁻⁶	-
216-A-35	216-A-35 French Drain	L	-	2.60×10 ⁻⁸	3.79×10 ⁻⁹	4.98×10 ⁻¹¹	-	2.17×10 ⁻⁴	3.01	-	-	-	-	1.40×10 ⁻⁸	-
200-E-54	200-E-54 Unplanned Release	L	-	5.22×10 ⁻⁷	7.61×10 ⁻⁸	1.00×10 ⁻⁹	-	4.36×10 ⁻³	6.04×10 ¹	-	-	-	-	2.81×10 ⁻⁷	-
200-E-103	200-E-103 PUREX Stabilized Area	L	-	1.04×10 ⁻⁸	1.52×10 ⁻⁹	1.99×10 ⁻¹¹	-	8.68×10 ⁻⁵	1.20	-	-	-	-	5.61×10 ⁻⁹	-
UPR-200-E-117 ^a	UPR-200-E-117	L	-	1.54×10 ⁻²	3.23×10 ⁻³	1.07×10 ⁻⁴	-	3.53×10 ⁻²	1.60×10 ¹	-	-	-	-	1.01×10 ⁻²	-
216-A-2	216-A-2 Crib	L	-	-	-	-	-	7.00×10 ⁻⁴	2.37×10 ³	-	-	-	-	2.28×10 ²	-
216-A-26	216-A-26 French Drain	L	-	1.00×10 ⁻⁸	1.46×10 ⁻⁹	1.92×10 ⁻¹¹	-	8.38×10 ⁻⁵	1.16	-	-	-	-	5.40×10 ⁻⁹	-
216-A-26A	216-A-26A French Drain	L	-	2.61×10 ⁻⁹	3.79×10 ⁻¹⁰	4.99×10 ⁻¹²	-	2.17×10 ⁻⁵	3.01×10 ⁻¹	-	-	-	-	1.40×10 ⁻⁹	-
216-A-15	216-A-15 French Drain	L	-	-	6.23×10 ⁻²	-	-	-	5.64	-	-	-	-	4.82×10 ⁻¹	-
200-E-107	200-E-107 Unplanned Release	L	-	-	-	-	-	4.28×10 ⁻¹	4.49×10 ¹	-	-	-	-	3.75×10 ⁻⁹	-

Table S-82b. Map 12D: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
218-E-14	218-E-14 PUREX Tunnel 1	S	-	2.30×10 ²	-	-	-	-	-	-	-	-	-	-	-
218-E-15	218-E-15 PUREX Tunnel 2	S	-	9.73×10 ³	-	1.30×10 ²	-	-	-	-	7.40×10 ²	-	-	-	-
216-A-4	216-A-4 Crib	L	-	-	5.61×10 ⁻²	2.29×10 ⁻²	-	1.16	9.54×10 ⁴	-	-	-	-	5.39×10 ³	-
216-A-5	216-A-5 Crib	L	-	-	-	-	-	-	1.07×10 ⁶	-	-	-	-	1.98×10 ²	-
216-A-10	216-A-10 Crib	L	-	-	1.46	-	-	-	1.92×10 ⁶	-	-	-	-	3.58×10 ²	-
216-A-21	216-A-21 Crib	L	-	-	-	-	-	-	3.20×10 ⁵	-	-	-	-	1.95×10 ²	-
216-A-27	216-A-27 Crib	L	-	6.03×10 ⁻⁵	8.77×10 ⁻⁶	1.15×10 ⁻⁷	-	5.40	1.13×10 ⁴	-	-	-	-	6.51×10 ¹	-
216-A-31	216-A-31 Crib	L	-	-	-	-	-	9.10×10 ⁻⁵	1.85×10 ²	-	-	-	-	5.98×10 ¹	-
216-A-36-A	216-A-36A Crib	L	-	-	-	-	-	-	4.39×10 ³	-	-	-	-	1.45×10 ²	-
216-A-36-B	216-A-36B Crib	L	-	-	-	-	-	-	1.30×10 ⁶	-	-	-	-	1.22×10 ²	-
216-A-45	216-A-45 Crib	L	-	4.82×10 ⁻³	4.59×10 ⁻¹	1.45×10 ⁻¹	-	2.78	8.00×10 ⁵	-	-	-	-	7.82	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; PUREX=Plutonium-Uranium Extraction; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-83a. Map 13: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
2101-M Pond	2101-M Pond	L	-	-	-	-	-	-	-	-	-	-	4.30×10 ²	-	1.43×10 ²
216-B-54	216-B-54 Trench	L	-	-	-	-	-	-	-	-	-	-	2.61	-	1.32×10 ⁻¹
216-B-14	216-B-14 Crib	L	-	-	-	-	-	-	-	-	-	-	1.49×10 ³	-	3.51×10 ⁴
216-B-15	216-B-15 Crib	L	-	-	-	-	-	-	-	-	-	-	1.09×10 ³	-	2.56×10 ⁴
216-B-16	216-B-16 Crib	L	-	-	1.89	-	-	-	-	-	-	-	1.08×10 ³	-	1.89×10 ⁴
216-B-17	216-B-17 Crib	L	-	-	3.82	-	-	-	-	-	-	-	8.19×10 ²	-	6.11×10 ³
216-B-18	216-B-18 Crib	L	-	-	-	-	-	-	-	-	-	-	1.46×10 ³	-	3.45×10 ⁴
216-B-19	216-B-19 Crib	L	-	-	4.94	-	-	-	-	-	-	-	1.39×10 ³	-	1.58×10 ⁴
216-B-20	216-B-20 Trench	L	-	-	3.19	-	-	-	-	-	-	-	9.98×10 ²	-	1.25×10 ⁴
216-B-21	216-B-21 Trench	L	-	-	7.50×10 ⁻¹	-	-	-	-	-	-	-	8.49×10 ²	-	1.74×10 ⁴
216-B-22	216-B-22 Trench	L	-	-	2.06	-	-	-	-	-	-	-	9.41×10 ²	-	1.50×10 ⁴
216-B-23	216-B-23 Trench	L	-	-	2.02	-	-	-	-	-	-	-	9.00×10 ²	-	1.42×10 ⁴
216-B-24	216-B-24 Trench	L	-	-	-	-	-	-	-	-	-	-	8.38×10 ²	-	1.97×10 ⁴
216-B-25	216-B-25 Trench	L	-	-	-	-	-	-	-	-	-	-	8.44×10 ²	-	1.99×10 ⁴
216-B-26	216-B-26 Trench	L	-	-	-	-	-	-	-	-	-	-	8.17×10 ²	-	1.92×10 ⁴
216-B-27	216-B-27 Trench	L	-	-	-	-	-	-	-	-	-	-	7.60×10 ²	-	1.79×10 ⁴
216-B-28	216-B-28 Trench	L	-	-	1.94	-	-	-	-	-	-	-	9.86×10 ²	-	1.65×10 ⁴
216-B-29	216-B-29 Trench	L	-	-	-	-	-	-	-	-	-	-	8.31×10 ²	-	1.96×10 ⁴
216-B-30	216-B-30 Trench	L	-	-	3.91	-	-	-	-	-	-	-	1.06×10 ³	-	1.15×10 ⁴
216-B-31	216-B-31 Trench	L	-	-	3.91	-	-	-	-	-	-	-	1.07×10 ³	-	1.18×10 ⁴

Table S-83a. Map 13: Chemical Inventories (kilograms) (continued)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
216-B-32	216-B-32 Trench	L	-	-	4.06	-	-	-	-	-	-	-	1.06×10 ³	-	1.11×10 ⁴
216-B-33	216-B-33 Trench	L	-	-	4.76	-	-	-	-	-	-	-	1.11×10 ³	-	9.63×10 ³
216-B-34	216-B-34 Trench	L	-	-	4.98	-	-	-	-	-	-	-	1.14×10 ³	-	9.70×10 ³
216-B-52	216-B-52 Trench	L	-	-	7.71	-	-	-	-	-	-	-	1.94×10 ³	-	1.90×10 ⁴
216-B-53A	216-B-53A Trench	L	-	-	-	-	-	-	-	-	-	-	3.86	-	7.15×10 ⁻²
216-B-53B	216-B-53B Trench	L	-	-	-	-	-	-	-	-	-	-	2.10	-	2.00×10 ⁻³
216-B-58	216-B-58 Trench	L	-	-	-	-	-	-	-	-	-	-	1.89	-	5.46×10 ⁻²

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-83b. Map 13: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
2101-M Pond	2101-M Pond	L	-	4.29×10 ²	7.84	1.72×10 ¹	-	-	6.40×10 ²	-	-	-	-	1.29×10 ¹	-
216-B-54	216-B-54 Trench	L	-	5.22×10 ⁻¹	5.48×10 ⁻³	2.19×10 ⁻²	-	8.26×10 ⁻¹	8.99×10 ²	-	-	-	-	1.34×10 ¹	-
216-B-14	216-B-14 Crib	L	-	-	-	2.76	-	9.11×10 ²	1.73×10 ⁶	-	-	-	-	2.69×10 ²	-
216-B-15	216-B-15 Crib	L	-	-	-	2.01	-	6.64×10 ²	1.26×10 ⁶	-	-	-	-	1.96×10 ²	-
216-B-16	216-B-16 Crib	L	-	2.28	-	1.68	-	5.89×10 ²	1.07×10 ⁶	-	-	-	-	1.73×10 ²	-
216-B-17	216-B-17 Crib	L	-	4.60	-	8.72×10 ⁻¹	-	3.58×10 ²	5.87×10 ⁵	-	-	-	-	1.04×10 ²	-
216-B-18	216-B-18 Crib	L	-	-	-	2.71	-	8.95×10 ²	1.70×10 ⁶	-	-	-	-	2.64×10 ²	-
216-B-19	216-B-19 Crib	L	-	5.94	-	1.75	-	6.67×10 ²	1.15×10 ⁶	-	-	-	-	1.94×10 ²	-
216-B-20	216-B-20 Trench	L	-	3.84	-	1.36	-	5.18×10 ²	8.54×10 ⁵	-	-	-	-	1.48×10 ²	-
216-B-21	216-B-21 Trench	L	-	9.03×10 ⁻¹	-	1.45	-	4.91×10 ²	9.13×10 ⁵	-	-	-	-	1.44×10 ²	-
216-B-22	216-B-22 Trench	L	-	2.48	-	1.40	-	4.98×10 ²	8.94×10 ⁵	-	-	-	-	1.46×10 ²	-
216-B-23	216-B-23 Trench	L	-	2.43	-	1.33	-	4.75×10 ²	8.52×10 ⁵	-	-	-	-	1.39×10 ²	-
216-B-24	216-B-24 Trench	L	-	-	-	1.55	-	5.12×10 ²	9.71×10 ⁵	-	-	-	-	1.51×10 ²	-
216-B-25	216-B-25 Trench	L	-	-	-	1.56	-	5.16×10 ²	9.79×10 ⁵	-	-	-	-	1.52×10 ²	-
216-B-26	216-B-26 Trench	L	-	-	-	1.63	-	5.11×10 ²	9.46×10 ⁵	-	-	-	-	1.59×10 ²	-
216-B-27	216-B-27 Trench	L	-	-	-	1.41	-	4.65×10 ²	8.81×10 ⁵	-	-	-	-	1.37×10 ²	-
216-B-28	216-B-28 Trench	L	-	2.33	-	1.50	-	5.31×10 ²	9.59×10 ⁵	-	-	-	-	1.56×10 ²	-
216-B-29	216-B-29 Trench	L	-	-	-	1.54	-	5.07×10 ²	9.62×10 ⁵	-	-	-	-	1.50×10 ²	-
216-B-30	216-B-30 Trench	L	-	4.71	-	1.30	-	5.02×10 ²	8.57×10 ⁵	-	-	-	-	1.46×10 ²	-
216-B-31	216-B-31 Trench	L	-	4.70	-	1.33	-	5.10×10 ²	8.71×10 ⁵	-	-	-	-	1.48×10 ²	-
216-B-32	216-B-32 Trench	L	-	4.89	-	1.29	-	5.00×10 ²	8.48×10 ⁵	-	-	-	-	1.45×10 ²	-
216-B-33	216-B-33 Trench	L	-	5.73	-	1.25	-	4.99×10 ²	8.30×10 ⁵	-	-	-	-	1.45×10 ²	-
216-B-34	216-B-34 Trench	L	-	5.99	-	1.28	-	5.13×10 ²	8.51×10 ⁵	-	-	-	-	1.48×10 ²	-
216-B-52	216-B-52 Trench	L	-	9.29	-	2.29	-	8.96×10 ²	1.51×10 ⁶	-	-	-	-	2.60×10 ²	-
216-B-53A	216-B-53A Trench	L	-	2.84×10 ⁻¹	2.98×10 ⁻³	1.19×10 ⁻²	-	1.92	1.54×10 ³	-	-	-	-	3.07×10 ¹	-
216-B-53B	216-B-53B Trench	L	-	7.92×10 ⁻³	8.32×10 ⁻⁵	3.33×10 ⁻⁴	-	8.26×10 ⁻¹	8.98×10 ²	-	-	-	-	8.26	-
216-B-58	216-B-58 Trench	L	-	2.17×10 ⁻¹	2.27×10 ⁻³	9.10×10 ⁻³	-	6.60×10 ⁻¹	7.19×10 ²	-	-	-	-	8.76	-

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-84a. Map 14: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
600 NRDWL ^a	600 Nonrad Dangerous Waste Landfill	S	3.00	7.95×10 ¹	1.35×10 ¹	-	4.50	2.72×10 ⁻¹	3.56×10 ²	6.51×10 ²	4.48×10 ²	9.40×10 ¹	2.64×10 ¹	2.10×10 ¹	7.62×10 ¹

^a To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-84b. Map 14: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
600 NRDWL ^a	600 Nonrad Dangerous Waste Landfill	S	3.15×10 ²	1.04×10 ¹	6.09	1.36×10 ²	1.90	2.24×10 ³	1.06×10 ⁴	-	1.27×10 ⁻¹	4.10×10 ⁻²	6.31×10 ²	-	-

^a To reflect ongoing groundwater remediation activities occurring in the 200 Areas addressing the carbon tetrachloride plume (i.e., pump and treat), a revised inventory representing the sites contributing to this plume was used and modeled as a single source. Therefore, this site was not modeled individually for carbon tetrachloride.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-85a. Map 15: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
618-11	300 Wye Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
400 RFD ^a	400 Area Retired French Drains	L	-	-	-	-	-	-	-	-	-	-	-	-	-
316-4	300 North Cribs, 321 Cribs	L	-	-	-	-	-	-	-	-	-	-	7.73×10 ⁻¹	-	-

^a This site had inventories that were on the initial list of constituents, but was screened out during final screening described in Section S.3.6.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-85b. Map 15: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
618-11	300 Wye Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
400 RFD ^a	400 Area Retired French Drains	L	-	-	-	-	-	-	-	-	-	-	-	-	-
316-4	300 North Cribs, 321 Cribs	L	-	-	-	-	-	3.01×10 ⁻²	4.68×10 ²	-	-	-	-	1.94×10 ⁻¹	-

^a This site had inventories that were on the initial list of constituents, but was screened out during final screening described in Section S.3.6.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-86a. Map 16: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	1,2-Dichloroethane	1,4-Dioxane	1-Butanol (includes butanol and 1-butanol from TBP)	2,4,6-Trichlorophenol	Acetonitrile	Arsenic (inorganic)	Benzene	Boron and Compound	Cadmium	Carbon Tetrachloride	Chromium (includes hexavalent chromium and chromium from Na ₂ Cr ₂ O ₇)	Dichloromethane	Fluoride (soluble fluoride) (includes fluorine and fluorine from HF)
618-9	300 West Burial Ground	S	-	-	4.98×10 ³	-	-	-	-	-	-	-	-	-	-
316-1	300 Area South Process Ponds	L	-	-	-	-	-	-	-	-	-	-	2.78×10 ⁴	-	4.07×10 ³
316-2	300 Area North Process Ponds	L	-	-	-	-	-	-	-	-	-	-	2.03×10 ⁴	-	3.80×10 ³
316-5	300 Area Process Trenches	L	-	-	-	-	-	-	-	-	-	-	-	-	4.94×10 ³
UPR-300-1	307-340 Waste Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
300-19 ^a	324 Sodium Removal Pilot Plant	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-300-13 ^a	Acid Neutralization Tank Leak East of 333 Building	L	-	-	-	-	-	-	-	-	-	-	-	-	-
300-264	327 Building, Postirradiation Testing Laboratory	L	-	-	-	-	-	-	-	-	-	-	-	-	-
309-WS-1	309 Plutonium Recycle Test Reactor Ion Exchange Vault	L	-	-	-	-	-	-	-	-	-	-	-	-	-
316-3	307 Disposal Trenches	L	-	-	-	-	-	-	-	-	2.00×10 ¹	-	1.00×10 ³	-	2.00×10 ³

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HF=hydrogen fluoride; ID=identifier; L=liquid; Na₂Cr₂O₇=sodium dichromate; S=solid; TBP=tributyl phosphate; WIDS=Waste Information Data System.

Source: SAIC 2011.

Table S-86b. Map 16: Chemical Inventories (kilograms)

WIDS ID/ Building Number	Common Site Name	Source Type	Hydrazine/ Hydrazine Sulfate	Lead	Manganese	Mercury	Molybdenum	Nickel (soluble salt)	Nitrate (includes nitrate, nitrate from HNO ₃ , and nitrate from NO ₂)	Polychlorinated Biphenyls	Silver	Strontium (stable)	Trichloroethylene	Total Uranium	Vinyl Chloride
618-9	300 West Burial Ground	S	-	-	-	-	-	-	-	-	-	-	-	-	-
316-1	300 Area South Process Ponds	L	-	3.48×10 ⁴	1.65×10 ²	1.45×10 ⁻²	-	8.89×10 ³	3.86×10 ⁶	-	-	-	-	2.62×10 ⁴	-
316-2	300 Area North Process Ponds	L	-	2.54×10 ⁴	1.64×10 ²	6.49×10 ⁻³	-	6.48×10 ³	2.82×10 ⁶	-	-	-	-	1.94×10 ⁴	-
316-5	300 Area Process Trenches	L	-	-	2.26×10 ²	-	-	-	2.05×10 ⁴	-	-	-	-	1.75×10 ³	-
UPR-300-1	307-340 Waste Line Leak	L	-	-	-	-	-	-	-	-	-	-	-	-	-
300-19 ^a	324 Sodium Removal Pilot Plant	L	-	-	-	-	-	-	-	-	-	-	-	-	-
UPR-300-13 ^a	Acid Neutralization Tank Leak East of 333 Building	L	-	-	-	-	-	-	1.99×10 ³	-	-	-	-	1.35	-
300-264	327 Building, Postirradiation Testing Laboratory	L	-	-	-	-	-	-	-	-	-	-	-	-	-
309-WS-1	309 Plutonium Recycle Test Reactor Ion Exchange Vault	L	-	-	-	-	-	-	-	-	-	-	-	-	-
316-3	307 Disposal Trenches	L	-	6.00×10 ²	-	1.00×10 ¹	-	3.00×10 ³	-	-	-	-	-	1.00×10 ⁴	-

^a This site was not modeled because not all information needed to prepare model input files was available and assumptions could not be made.

Note: Dash (-) means no data found or inventory is estimated to be 0 or below detectable levels. To convert kilograms to pounds, multiply by 2.2046.

Key: HNO₃=nitric acid; ID=identifier; L=liquid; NO₂=nitrogen dioxide; S=solid; WIDS=Waste Information Data System.

Source: SAIC 2011.

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