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Pacific Northwest National Laboratory
Operated by Battelle for the U.S. Department of Energy

Geographic and Operational Site Parameters List (GOSPL) for the 2004 Composite Analysis

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Prepared for the U.S. Department of Energy
under Contract DE-AC06-76RL01830

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Executive Summary

A composite analysis is required by U.S. Department of Energy (DOE) Order 435.1 to ensure public safety through the management of active and planned low-level radioactive waste disposal facilities associated with the Hanford Site. Kincaid et al. (2004) indicated that the System Assessment Capability (SAC) (Kincaid et al. 2000; Bryce et al. 2002; Eslinger 2002a, 2002b) would be used to analyze over a thousand different waste sites.

A master spreadsheet termed the Geographic and Operational Site Parameters List (GOSPL) was assembled to facilitate the generation of keyword input files containing general information on each waste site, its operational/disposal history, and its environmental settings (past, current, and future). This report briefly describes each of the key data fields, including the source(s) of data, and provides the resulting inputs to be used for the 2004 Composite Analysis.

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1.0 Introduction

A composite analysis is required by U.S. Department of Energy (DOE) Order 435.1 to ensure public safety through the management of active and planned low-level radioactive waste disposal facilities associated with the Hanford Site. The original composite analysis detailed in Kincaid et al. (1998) must be revised and submitted to DOE Headquarters (DOE-HQ) because of revisions to waste site information in the 100, 200, and 300 Areas; updated performance assessments and environmental impact statements (EIS); changes in inventory estimates for key sites and constituents; and a change in the definition of offsite receptors.

Kincaid et al. (2004) describe the technical scope of the 2004 Composite Analysis for the Hanford Site and the approach to perform this analysis. It will be a site-wide analysis, considering final remedial actions for the Columbia River corridor and the Central Plateau, and will support waste-specific and site-specific assessments throughout the Hanford Site. The 2004 Composite Analysis also will provide supporting information on a regional or site-wide basis for use in important Hanford assessments and decisions such as the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 5-year review in 2005, tank closure decisions, decisions on final groundwater remedies for the 200 Areas, decisions on final groundwater remedies for the 100 Areas, and the Columbia River corridor final record of decision.

Kincaid et al. (2004) identified 1,046 waste sites from the 2,730 Waste Information Data System (WIDS) sites and several existing and future storage sites for inclusion in the 2004 Composite Analysis.[a] Each of these sites will be modeled as an individual release or storage site whenever inventory and release data permit. Beginning in fiscal year (FY) 2003, the DOE Richland Operations Office (DOE-RL) initiated activities to develop the input data needed to support the 2004 Composite Analysis. This report describes the compilation of site-specific parameters for incorporation into the Geographic and Operational Site Parameters List (GOSPL) to support the 2004 Composite Analysis. This work was conducted as part of the Characterization of Systems Task of the Groundwater Remediation Project (formerly the Groundwater Protection Program) managed by Fluor Hanford, Inc., Richland, Washington.

2.0 Background

Kincaid et al. (2004) indicated that the System Assessment Capability (SAC) (Kincaid et al. 2000; Bryce et al. 2002; Eslinger 2002a, 2002b) would be used for the analysis. The SAC is a set of models and data that have been assembled since the previous 1998 Composite Analysis (Kincaid et al. 1998) was

(a) Originally 974 of 2,730 Waste Information Data System (WIDS) sites were identified for inclusion in the 2004 Composite Analysis. Further work identified 48 more waste sites bringing the total to 1,022. Subsequent reviews identified an additional 24 sites that have been included, many of which account for offsite transfers of waste and nuclear material. This brings the total to 1,046.

performed to estimate the collective impact of all the waste that will remain at the Hanford Site. Computer codes that have been well tested at the Hanford Site have been used when possible and new software has been written when necessary to simulate the features and processes that affect the release of contaminants into the environment, transport of contaminants through the environment, and the impact those contaminants have on living systems, cultures, and the local economy. The various SAC components have been organized to simulate the transport and fate of contaminants from their presence in Hanford waste sites, through their release into the vadose zone, to their movement in the groundwater, and into the Columbia River. Components of SAC such as the groundwater model, the ecological impact component, and the human health component were originally developed and tested for previous Hanford assessments.

The elements of the SAC computational tool include:

- Inventory Module – develops an inventory of specific waste disposal and storage locations for the period 1944 to Hanford Site closure based on disposal records, process knowledge, the results of tank and field samples, and planned disposals and remedial actions. The year 2035 is used as the Hanford Site closure date for the 2004 Composite Analysis because it has been identified as the time of site closure for the majority of facilities (e.g., tanks, solid waste burial grounds, chemical separations plants). However, the commercial waste site (US Ecology) is assumed to close in 2056 and the graphite cores of the production reactors are moved to the Central Plateau in 2056. Future runs will use the closure date predicted at the time of the run. This module also identifies the material scheduled for disposal in offsite repositories, including high-level waste, transuranic waste, and spent fuel.

- Release Module – simulates the annual release of contaminants to the vadose zone from the variety of waste types in the modeled waste sites. This module also simulates future remediation actions that move waste to the Environmental Restoration Disposal Facility (ERDF) and other permanent disposal locations.

- Air Transport Module – simulates the transport of contaminants through the air pathway from release points to points of deposition.

- Vadose Zone Transport Module – simulates fluid flow and contaminant transport in the vadose zone, which is the unsaturated sediment between the land surface and the unconfined aquifer. The module also simulates the release of volatile contaminants out of the vadose zone into the air pathway.

- Groundwater Transport Module – simulates fluid flow and contaminant transport in the unconfined aquifer that underlies the Hanford Site using the transient inverse calibrated three-dimensional Site-wide groundwater model.

- Soil Module – simulates the buildup of contaminants in the plant root-zone soil layer due to air deposition and irrigation. Solutions are available for the cases of no irrigation, irrigation with groundwater, and irrigation with river water.

- River Module – simulates river flow and contaminant/sediment transport in the Hanford Reach from Vernita Bridge downstream to the city of Richland. This module simulates background concentrations and background plus the Hanford Site concentrations to enable an assessment of the Hanford Site incremental impact to the Columbia River and its ecosystem.

- Riparian Zone Module – uses river and groundwater information to simulate the concentration of contaminants in seep or spring water and in the wet soil near the edge of the Columbia River.

- Risk/Impact Modules – performs risk/impact analysis in four topical areas: human health, ecological health, economic impact, and cultural impact with the latter two being new impact metrics for Hanford assessments. The ecological and human health risk modules will be applied in the 2004 Composite Analysis. The remaining two modules of risk/impact will be applied in a supplemental analysis to inform the public and regulators regarding issues related to the composite analysis (for example, the economic and cultural impacts of chemical hazards).

Each module was assembled so that it could be tested and evaluated independently of the other modules. The inventory, release, environmental pathways, and risk/impact modules were then linked to test the overall performance of the system.

A conceptual illustration of SAC (Figure 2.1) portrays a linear flow of information. In general, inventory feeds release mechanisms, which feed to the atmospheric, vadose zone, groundwater, and Columbia River pathways. At times, release occurs directly to the groundwater through reverse wells and to the Columbia River from the single-pass reactors. During chemical separation plant operation, release also occurred to the atmosphere. The atmosphere, groundwater, Columbia River, riparian zone and soil technical modules provide media-specific concentration estimates used in the risk and impact assessment.

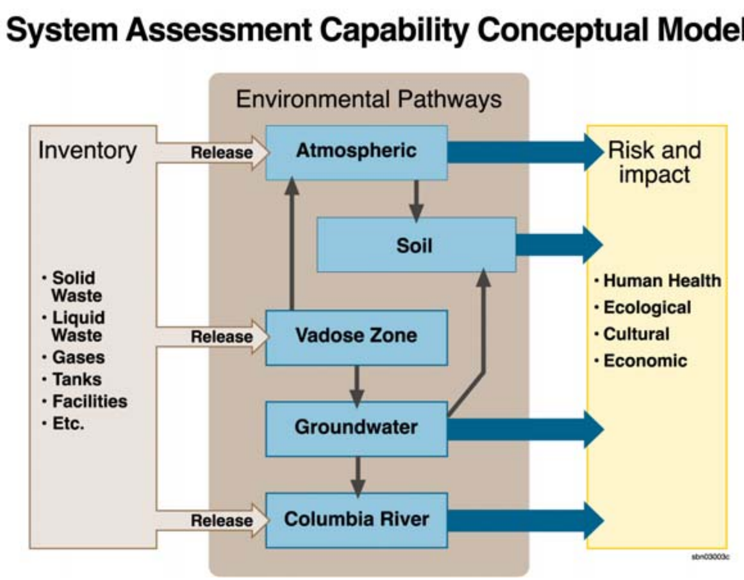

Figure 2.1. Conceptual Model of the System Assessment Capability

Background information for the development of the initial SAC is presented in *Groundwater/Vadose Zone Integration Project: Preliminary System Assessment Capability Concepts for Architecture,* *Platform and Data Management*.(a) This document includes a description of alternate architectures for SAC as well as conceptual models for each technical element of the capability. Design of the initial SAC tool is summarized in Kincaid et al. (2000). Results of an initial assessment performed with the SAC are provided in Bryce et al. (2002).

A description of the software is provided in Eslinger et al. (2002a, 2002b). The system of codes includes existing computer programs, new computer programs, electronic data libraries, and data formatting processors (or data translators). The relationships among code modules that make up the SAC Systems Code are illustrated in Figure 2.2. Major modules appearing on the left side of the diagram perform inventory and transport calculations providing estimates of the concentrations of analytes in various media. Modules shown on the right perform calculations related to the impact from the contaminated media. Impacts include potential effects on humans, the ecology of the area, the economy of the region, and the proximity of contaminants to social and cultural resources.

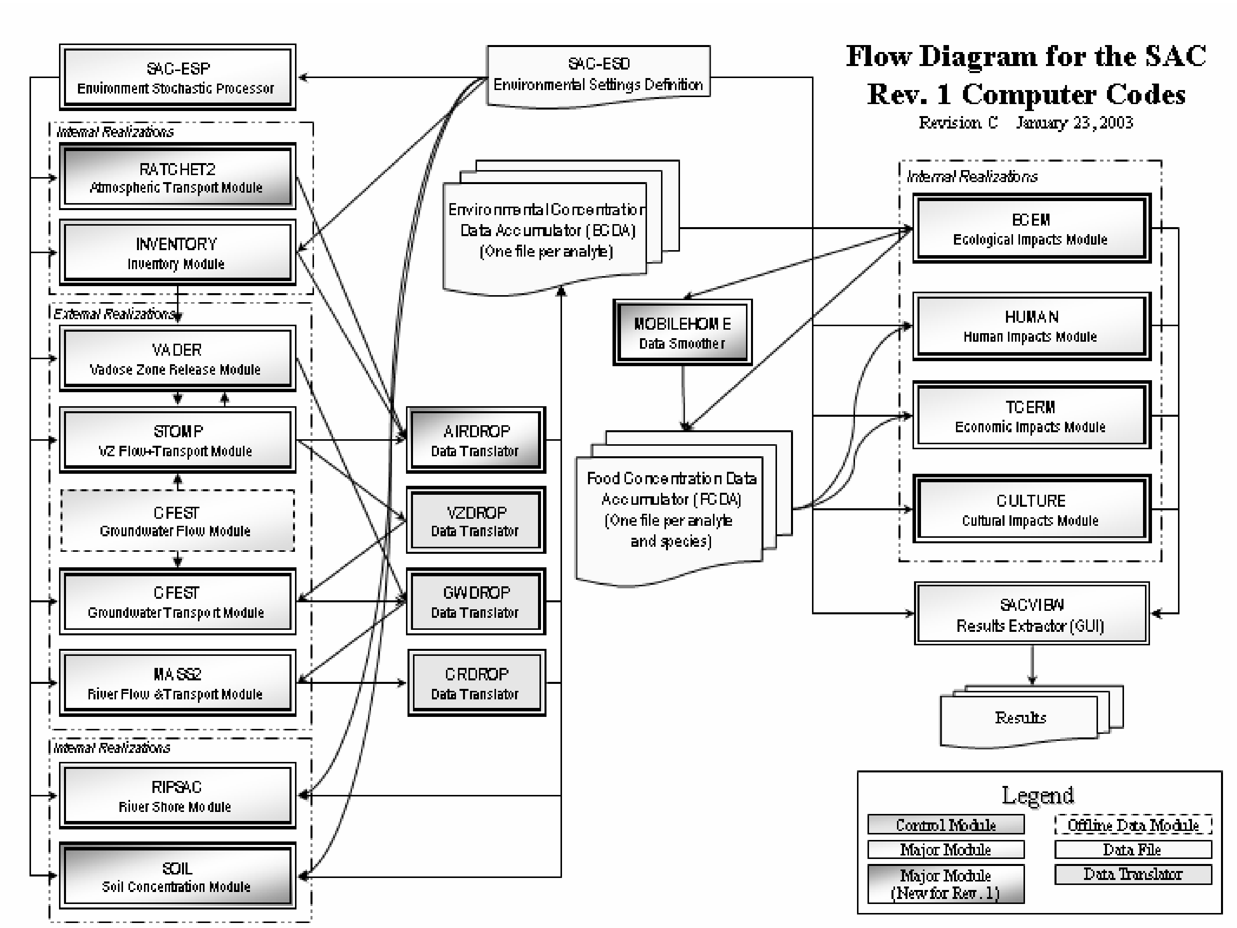

Figure 2.2. Information Flow in SAC Rev. 1 Software Design

(a) Groundwater/Vadose Zone Integration Project: Preliminary System Assessment Capability Concepts for Architecture, Platform and Data Management. (http://www.hanford.gov/cp/gpp/modeling/sacarchive/9-30rep.pdf)

As can be seen in Figure 2.2, the SAC Rev. 1 Systems Code consists of a number of components that can be executed separately. A number of pieces of information, such as the site identification, coordinates, release model, hydrogeologic column (template), remediation action, infiltration class, and the start time and stop time of a simulated problem, are needed for the system components. The environmental settings definition (ESD) keyword file was designed to contain this common information. Generally, if information is needed by one or more modules of the suite of codes, it is entered in the ESD keyword file. A number of the ESD keywords are generated from general information on the waste site, its operational/ disposal history, and its environmental settings (past, current, and future). To facilitate the generation of these ESD keyword input files, a database termed the Geographic and Operational Site Parameters List (GOSPL) was assembled.

One of the challenges associated with performing an assessment is appropriately presenting how well the results predict what might actually occur. This is because the attributes of the site that effect transport of contaminants, the impact of contaminants on living systems, and the future conditions used in the assessment, as well as many other factors upon which the predictions depend, are not completely understood. SAC was developed to allow the performance of a probabilistic risk assessment so an indication of the effect of parameter uncertainty on results could be examined. In general, other sources of uncertainty, such as conceptual model uncertainty, will not be handled within the calculations but will be discussed in the interpretation of the results of this analysis.

For the 2004 Composite Analysis, SAC has been modified to enable the import of results from detailed assessments of individual waste sites by other Hanford Site programs/projects. Such results come from selected tank waste analyses (e.g., the Integrated Disposal Facility [IDF] Performance Assessment [Mann 2003]). Information on 1) release to vadose zone or 2) release to water table will be imported into the SAC deterministic analysis. The 2004 Composite Analysis will treat best estimate simulations by other Hanford Site programs as "median" simulations and incorporate them into an overall "median-input" deterministic simulation. For most waste sites simulated by others, the SAC modules will be adjusted to achieve comparable results.

To perform a stochastic analysis, best-estimate data (geologic profile, hydraulic properties, geochemical properties, recharge sequence, etc.) used by other Hanford Site programs to perform assessments will be interpreted as "median" values for distributions where the data range is defined by the Hanford-wide data set previously compiled for SAC. A simplified model (such as, release and one-dimensional vadose zone or release and two-dimensional vadose zone) will be calibrated to reproduce key aspects of the median simulation provided by the detailed assessment. This simplified but calibrated model will be used to generate the stochastic realizations. Where available, comparison will be made between the range of SAC stochastic responses and the range of deterministic sensitivity cases provided by the other Hanford Site program.

Significant differences may exist between the SAC representation of uncertainty and the representation of sensitivity created by other assessments. This is especially true when the site-specific assessment is using sensitivity analyses to explore alternate conceptual models of waste form release (for example, tank residuals modeled with a solubility model, diffusion model, advection-desorption model, linear release-time-model) or barrier performance (for example, alternate surface barriers and engineered containment systems surrounding a glass waste form).

3.0 Geographic and Operational Site Parameter List Definitions

Of the more than 2,730 waste sites at Hanford and several storage sites, a subset of 1,046 sites was selected for inclusion in the 2004 Composite Analysis (Kincaid et al. 2004). A number of pieces of information are needed for the assessment, such as the site location, the release model, the hydrostratigraphic column (template), and the remedial action and infiltration assumptions. If this type of information is needed by one or more module of the suite of codes used by SAC, for a particular site, then the data are assembled for entry in the ESD keyword file. Of the 1,046 sites to be included in the 2004 Composite Analysis, 24 sites are primarily just place holders used to account for offsite transfers and nuclear material that are not directly simulated in any of the SAC codes. Thus, data have been assembled to enable the simulation of each of the 1,022 remaining sites, individually, using their site-specific parameters, and environmental settings. A master spreadsheet termed the Geographic and Operational Site Parameters List (or GOSPL) was developed for the initial assessments conducted using the SAC to define the site-specific location and facility design parameters as well as the key model assumptions for each assessment. GOSPL has continued to evolve as the site information and assessment basis has changed. It can generally be subdivided into three main sections: Site-Specific Parameters, Model-Specific Instructions, and Remediation/Infiltration Assumptions. Brief descriptions of each key data field, including the source(s) of data are provided below. Note that other subordinate data fields that are not directly used by the current SAC modules are not described here. This version of GOSPL (containing the 1,022 sites to be individually simulated for the 2004 Composite Analysis) is provided in the appendix.

3.1 Site-Specific Parameters

Key site-specific geographic parameters used in the SAC include such input as the site identifiers (e.g., Site Code), general site design and operational history information, site geographic information (e.g., location), and facility dimensions. Much of this information is taken from WIDS. Please refer to the WIDS home page on the Hanford Intranet at http://apweb02.rl.gov/rapidweb/phmc/cp/wids/index.cfm?PageNum=1, and in particular the WIDS Data Field Definitions and Criteria http://apweb02.rl.gov/rapidweb/phmc/cp/wids/docs/5/docs/datacrit1.pdf.

3.1.1 Site Identifiers

There are three fields used to identify each specific site to be represented in the composite analysis: the WIDS Site Identification Number, the Site Code, and the Site Names.

3.1.1.1 WIDS Site Identification Number (SiteId) – Site Table

The WIDS SiteId (e.g., 575) provides a numeric identification number to uniquely identify each site record within WIDS. The primary data source for this information is the WIDS database, either directly or indirectly via the *Hanford Site Waste Management Units Report* (DOE 2003) or the QMAP geospatial map portal (http://www7.rl.gov/cfroot/knowledgenet/qmap/index.cfm). Future sites or facilities not contained in the WIDS database were assigned a SiteId equal to or greater than 9,900.

3.1.1.2 WIDS Site Code (SiteCode) – Site Table

The SiteCode (e.g., 216-Z-9) is a unique alphanumeric identification tag (code) assigned to a site when it is entered into WIDS. The codes have been assigned in accordance with the facility naming conventions in use at the time the site was entered into the database or as modified during database reengineering. The site codes generally consist of a prefix indicating the designed area in which the site is located and its facility type (such as 100-D-, 216-B-, 618-), followed by a sequential number.

The primary data source for the SiteCode is the WIDS database. Planned or proposed future waste sites or facilities not contained in the WIDS database were assigned their own unique identifier by SAC project staff.

3.1.1.3 WIDS Site Names (SiteNames) – Site Table

The SiteNames field (e.g., 216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Covered Trench) provides the common or working names by which the site is known, including all aliases for a site. The primary data source for this information is from WIDS and was obtained either directly from the WIDS database, or indirectly via the *Hanford Site Waste Management Units Report* (DOE 2003) or the QMAP geospatial map portal. The purpose of this field is to provide a cross reference to previously used site codes and names used in reference documents.

3.1.2 General Site Design and Operational History Information

General information on the design and operational history of the site is captured via four fields: site type, waste type, and start and end dates.

3.1.2.1 Site Type (SiteType) – Site Table

The SiteType (e.g., Trench) describes the structural design of the site. Generally, the site types are defined by the general function of the site (e.g., ground disposal) and its design (e.g., trench). The primary data source for this information is WIDS, and was obtained either directly from the WIDS database, or indirectly via the *Hanford Site Waste Management Units Report* (DOE 2003) or the QMAP geospatial map portal. The purpose of this field is to help describe the manner in which the sites were used to store or dispose of waste.

3.1.2.2 Waste/Material Type (Type) – Waste Table

The waste/material type describes the type of waste at the site in terms of its source, its appearance, its use before becoming a waste, or other general category (e.g., steam condensate, process effluent, bismuth phosphate metal waste). The primary source of this data is WIDS. If the information was missing from WIDS, then it may be that the type of waste was unknown or the information has not been entered. The purpose of this information is to allow grouping of sites into similar waste chemistry groups to aid selection and assignment of linear sorption coefficients.

3.1.2.3 Operational Start Date (StartDate) – Site Table

The start date is the year the site started receiving waste. The primary source of this data is WIDS. If the information was missing from WIDS, then a start date was estimated from other nearby sites receiving similar waste types or servicing the same major process facilities.

3.1.2.4 Operational End Date (EndDate) – Site Table

The end date is the year the site stopped receiving waste. The primary source of this data is WIDS. If the information was missing from WIDS, then an end date was estimated from other nearby sites receiving similar waste types or servicing the same major process facilities.

3.1.3 Geographic Information

The basic geographic information captured for each site includes the site location and the type of feature used to represent the site within the Hanford Geographic Information System (HGIS) and *Hanford Site Atlas* (BHI 1998).

3.1.3.1 Site Location (Center X Coordinate, Center Y Coordinate) – GisSite Table

The X and Y coordinates for the site location are defined in terms of the Washington State Plane Easting and Northing coordinates (respectively), Southern Section, North American Datum 1983, in meters. The coordinate information represents the centroid of the site for sites mapped as a polygon. For sites mapped as a point (e.g., injection/reverse well), it represents the site itself. The primary data source for this information is WIDS, either directly from the WIDS database, or indirectly via the *Hanford Site Waste Management Units Report* (DOE 2003) or the QMAP geospatial map portal. However, coordinates are not recorded in WIDS for sites that are mapped as a line (e.g., sewers). So, for sites mapped as a line, and for sites where coordinate information is not available in WIDS, the centroid coordinates were estimated from HGIS documentation (i.e., the *Hanford Site Atlas* [BHI 1998]).

More detailed coordinate information was provided for large high volume liquid waste sites (e.g., ponds, ditches, cribs, and trenches) that might spatially overlap a number of different groundwater nodes. Rather than representing the centroid of the site, this information provides a number of key X,Y coordinate points that represent the perimeter of the site. Two fields are provided for this input, the number of coordinate points used to define the perimeter of the site, and the actual string of X, Y coordinates.

Number of X, Y Coordinate Points. This field provides the number of distinct X, Y coordinate points included in the X, Y coordinate string defined below.

X, Y Coordinate String. This field provides a string of paired X, Y coordinates used to define the perimeter of the site. The primary source of this information is estimates of selected key points used to represent the gross perimeter of the site as derived from the QMAP geospatial map portal (http://www7.rl.gov/cfroot/knowledgenet/qmap/index.cfm) or from HGIS documentation (i.e., the *Hanford Site Atlas* [BHI 1998]).

3.1.3.2 GIS Feature Type (GISFeatureType) – GisSite Table

The Geographic Information System (GIS) feature type describes the spatial representation of the site features in the HGIS. This includes sites mapped as a polygon, point, or line.

3.1.4 Facility Dimensions

Facility dimensions are captured via five fields generally taken from the WIDS database. These data fields include: Site Length, Site Width, Site Depth (or Height), Site Diameter, and Site Area. In general, dimensions are provided in length and width fields or in the diameter field, but not both.

3.1.4.1 Site Length (LengthMtrs) – Dimensions Table

The site length is the longest dimension of a rectangular or nearly rectangular site. The primary source of this data is the WIDS database. If the data were not directly available from WIDS, then the site length was estimated from the QMAP geospatial map portal or HGIS documentation (i.e., the *Hanford Site Atlas* [BHI 1998]). If the value is blank, then it may be that the site length is unknown, or the information has not been entered (i.e., was not readily available for entry in the WIDS database).

3.1.4.2 Site Width (WidthMtrs) – Dimensions Table

The site width is the shortest dimension of a rectangular or nearly rectangular site. The primary source of this data is the WIDS database. If the data were not directly available from WIDS, then the site width was estimated from the QMAP geospatial map portal or HGIS documentation (i.e., the *Hanford Site Atlas* [BHI 1998]). If the value is blank, then it may be that the site width is unknown, or the information has not been entered (i.e., was not readily available for entry in the WIDS database).

3.1.4.3 Site Depth/Height (DepthHeightMtrs) – Dimensions Table

The site depth/height is the maximum depth of the site (in meters) below the ground surface or the maximum height of the unit above the ground surface. This includes the overburden depth. The primary source of this data is the WIDS database. If the value is blank, then it may be that the depth/height is unknown, or the information has not been entered (i.e., was not readily available for entry in the WIDS database).

3.1.4.4 Site Diameter (DiameterMtrs) – Dimensions Table

The site diameter is the distance (in meters) through the center of a circular or cylindrical (or nearly circular or cylindrical) site. The primary source of this data is the WIDS database. If the field is blank then it may be that the site diameter is unknown, there is no diameter (e.g., the site is rectangular), or the information has not been entered.

3.1.4.5 Site Area (AreaSqMtrs) – Dimensions Table

The site area is the surface extent of the site, measured in square meters. The primary source of this data is the WIDS database. If the data were not directly available from WIDS, then the site area was calculated from other site dimensions (i.e., site width and site length, or site diameter). If site dimension information was unavailable, then the area was estimated from the QMAP geospatial map portal or HGIS documentation (i.e., the *Hanford Site Atlas* [BHI 1998]). If data could not be found with which to estimate the site area, then the site was assigned a default value. Table 3.1 lists the default site area values used for different site types.

Table 3.1. Default Site Areas

Site Type	Default Area (m^2)
Unplanned Release, French Drain	0.999
Storage Tank, Trench	9.99
Radioactive Process Sewer, Crib	99.9
Burial Ground	999

The site area is used to represent the footprint of the release area (e.g., the bottom area of a crib). However, a comparison of facility dimension information in WIDS with that by Maxfield (1979) suggests that the site area as recorded in WIDS is quite a bit bigger than the actual bottom area of the waste sites. It is believed that the site area represents the maximum surface extent of the facility, or perhaps even the fenced boundaries of the radiation zone surrounding the site. Thus, site area, as recorded in WIDS, may over estimate the actual footprint of the release area.

3.2 Model-Specific Instructions

This portion of GOSPL provides key model instructions for various components of the SAC system. This includes information regarding the release models and the vadose zone hydrogeologic templates.

3.2.1 Selected for Simulation in the 2004 Composite Analysis

This field identifies those sites that have been selected for simulation in the 2004 Composite Analysis. This field designates those sites selected for the 2004 Composite Analysis with a “1,” while those that will not be simulated are designated with a “0” or left blank.

3.2.2 Release Model Designation

The Release Models field is used to identify the type of release model that will be used in the SAC simulations. The designation for each site is based in part on the site type (see Section 3.1.2.1), the physical state of the waste (as taken from the PhysicalState field in the Waste Table of WIDS), and the material type (see Section 3.1.2.2). Table 3.2 lists the release model designations generally assigned by site type. Note that the release models assigned to each site are subjective in nature, based on best professional judgment, and may account for a combination of physiochemical processes (i.e., multiple release models).

Table 3.2. Summary of Release Model Assignments to Waste Source Types (after Riley and LoPresti 2004)

Release Model	Site (waste source) Type	Exceptions
Atmosphere	Stacks	
Liquid	Single-shell tanks,[a] unplanned releases,[b] trenches, cribs, drain/tile fields, radioactive process sewers, French drains, retention basins, ponds, ditches, sumps, injection/reverse wells, storage tanks, diversion boxes, catch tanks, valve pits, settling tanks, receiving vaults, and neutralization tanks	Receiving vault 241-WR_Vault will be modeled using the cement model.
Soil-Debris	Unplanned releases,[b] sand filters, burial grounds, laboratories, storage, stacks,[c] landfills, surplus production sites (i.e., the soil below and surrounding a site), storage tunnels	The GTF Landfill contains grouted waste, so the cement model should be applied. Site 116-C-2C will be modeled as a liquid release.
Cement	Process unit/plants, control structures, cemented waste in burial grounds	
Salt-cake	Single-shell tanks,[a] double-shell tanks[d]	
Reactor Block[e]	Decommissioned surplus production reactor cores	
Glass[f]	Vitrified ILAW waste from single-shell tanks	
River	Process sewer, outfall	

(a) Releases from single-shell tanks will be modeled using a combination of liquid, salt-cake, and/or diffusion (cement) models. Releases include past tank leaks, liquid released during retrieval and contaminant release from dissolution of residual solids following waste retrieval completion.
(b) Modeled as initial liquid release, release from surface contaminated soil or a combination of both.
(c) Modeled as initial atmospheric release, then as soil-debris following its operational period.
(d) Double-shell tanks are assumed not to leak prior to and during retrieval. Release of contaminants from residual solids modeled using salt-cake and/or diffusion (cement) model.
(e) B reactor release occurs entirely in the 100 Area. Following a specified period of time (75 years). The remaining inventories for all other reactors are moved to a 200 Area burial ground where release continues using the reactor block model.
(f) An empirical model that approximates the results from the ILAW STORM model, allowing SAC (VADER) to generate stochastic results through variation of recharge rate.

GTF = Grout Treatment Facility.
ILAW = Immobilized low-activity waste.
STORM = Subsurface Transport Over Reactive Multiphases.
VADER = Vadose Zone Environmental Release.

3.2.3 Vadose Zone Model Hydrostratigraphy

Each site contained in GOSPL was assigned to a general vadose zone hydrostratigraphic profile based on its location within one of 26 geographic areas (representing 17 general geographic areas and 9 site-specific locations), its site type (surface, near surface, tank, or injection well), and its waste chemistry designation. Each hydrostratigraphic profile (template) identifies the hydraulic and geochemical parameters necessary for STOMP to simulate the flow and transport through the vadose zone. As many as five variations of a single hydrostratigraphic template were incorporated to more accurately represent the depth of waste releases and the thickness of the vadose zone beneath the point of release. Additional variations of the hydrostratigraphic templates were necessary to accommodate variations in K_d values associated with different waste chemistry designations. Thus, a series of 63 base templates were ultimately identified using a unique alphanumeric code consisting of a three-digit number that reflects the waste site type, a letter designating the geographic area, and a number designating the waste chemistry group for assigning K_d values. Nine site-specific hydrostratigraphic templates were created by adding additional alphanumeric characters to the geographic area designation. These codes are explained below. A more complete discussion regarding the development of the vadose zone templates is provided by Last et al. (2004).

3.2.3.1 VZ (Vadose Zone) Template Site Type (reflecting the depth of waste injection)

The VZ Template Site Type Code (e.g., 216) generally consists of a three-digit number, with the first digit indicating the operational area in which the facility is located, and the second and third digits signifying the relative depth of waste release based on its facility type (such as 100-, 241-, 616-). This code is primarily derived from the WIDS SiteCode (see Section 3.1.1.2), the WIDS SiteType (see Section 3.1.2.1), the WIDS DepthHeightMtrs (see Section 3.1.4.3), and the WIDS Site Description (SiteDesc), which are used to classify the sites into six main categories reflecting the relative depth of waste release as defined in Table 3.3. This code identifies variants to the geographic area hydrostratigraphic columns to account for the thickness of the soil column beneath different waste release depths.

Table 3.3. Site Type Codes Used in the Hydrostratigraphic Templates

Site Type Code[(a)]	Relative Depth of Waste Release	Representative WIDS SiteTypes
100, 200, 300, 400	Ground Surface (generally less that 3 m deep).	Surface and/or near surface facilities (e.g., process sewers, reactor buildings, laboratory buildings, storage, stacks, ponds, ditches, valve pits, process unit/plants, unplanned releases except tank leaks).
116, 216, 316, 616	Shallow Subsurface (generally 3-7 m below ground surface)	Shallow liquid and/or dry waste disposal facilities (e.g., cribs, burial grounds, retention basins, trenches, French drains, storage tunnels, drain/tile fields, pipelines, sewers).
241	Intermediate Subsurface (generally 9 to 17 m below ground surface)	High level waste tanks, settling tanks, diversion boxes, catch tanks, tank leak unplanned releases.
166, 266	Deep Subsurface (generally greater than 18 m below ground surface)	Deep injection sites (e.g., reverse wells)
276	Very Deep Subsurface (generally near or into the water table)	Very deep injection sites (e.g., very deep reverse wells)
River[(b)]	River Level	River outfalls and associated pipelines

(a) First digit represents the area: 1 = 100 Area, 2 = 200 Area, 3 = 300 Area, 4 = 400 Area, 6 = 600 Area. Second and third digits indicate the general facility type and relative release depth.
(b) River outfall discharged waste directly to the river, thus there is no vadose zone flow and transport component for these sites.
WIDS = Waste Information Data System.

3.2.3.2 Geographic Area

Sixteen geographic areas were identified that could each be represented by a single generalized hydrostratigraphic column (Figure 3.1). Each of the six 100 Areas were designated as separate geographic areas because each area is geographically distinct and have distinct hydrogeologic characteristics. The 200 Areas were divided into six aggregate areas based on differences in hydrogeologic characteristics. The 200 West and 200 East Areas were each divided into two geographic areas. Additional geographic areas were designated for the 200 North Area, Gable Mountain Pond area, and the B-Pond area. A single geographic area was designated to encompass waste sites in the 300 Area. Finally, three additional geographic areas were defined for isolated sites in the 400 and 600 Areas. Table 3.4 presents the letter designations and brief descriptions of each geographic area. Nine site-specific designations were created by adding additional alphanumeric characters to two of the geographic area designations (Table 3.5).

3.2.3.3 Waste Chemistry Group (for assigning K_d ranges)

Six waste chemistry types were defined by Kincaid et al. (1998) for use in the first composite analysis published in 1998. These waste chemistry types describe chemically distinct waste streams that impact the sorption of contaminants. These same waste chemistry designations were adapted for use in the initial assessment conducted using SAC to assign K_d values to the vadose zone base templates (Bryce et al. 2002). However, based on the results of a recent compilation of contaminant distribution coefficients (K_d) for Hanford sediments (Cantrell et al. 2003a, 2003b), the six waste stream categories used in these assessments were reduced to four (Table 3.6).[(a)] Refer to the vadose zone data package (Last et al. 2004) for additional information regarding the assignment of these waste chemistry designations.

3.2.3.4 VZ Base Templates

A total of 61 base templates were identified based on various combinations of the site types, geographic areas, and waste chemistry types. This field is calculated by combining the information from the VZ Template Site Type, Geographic Area, and Waste Chemistry data fields, unless the VZ Template Site Type is "River," in which case this field is calculated as "River." However, if the Site Type is blank or the site is not on the list of sites for the composite analysis (i.e., the On Composite Analysis List field is "0"), then this field is left blank. The general Excel formula used to calculate this field is as follows:

$$= IF(A=1, IF(B=\text{"River"},\text{"River"}, IF(B=\text{""},\text{""}, B\,\&\,C\&\text{"–"}\&D)),\text{""}) \quad (1)$$

where A = On CA List
B = Site Type
C = Geographic Area
D = Waste Chemistry Group.

(a) Cantrell KJ, RJ Serne, and GV Last. *Waste Stream Descriptions, Impact Zones and Associated K_d Estimates Including Rational for Selections* (Revision May 16, 2003).

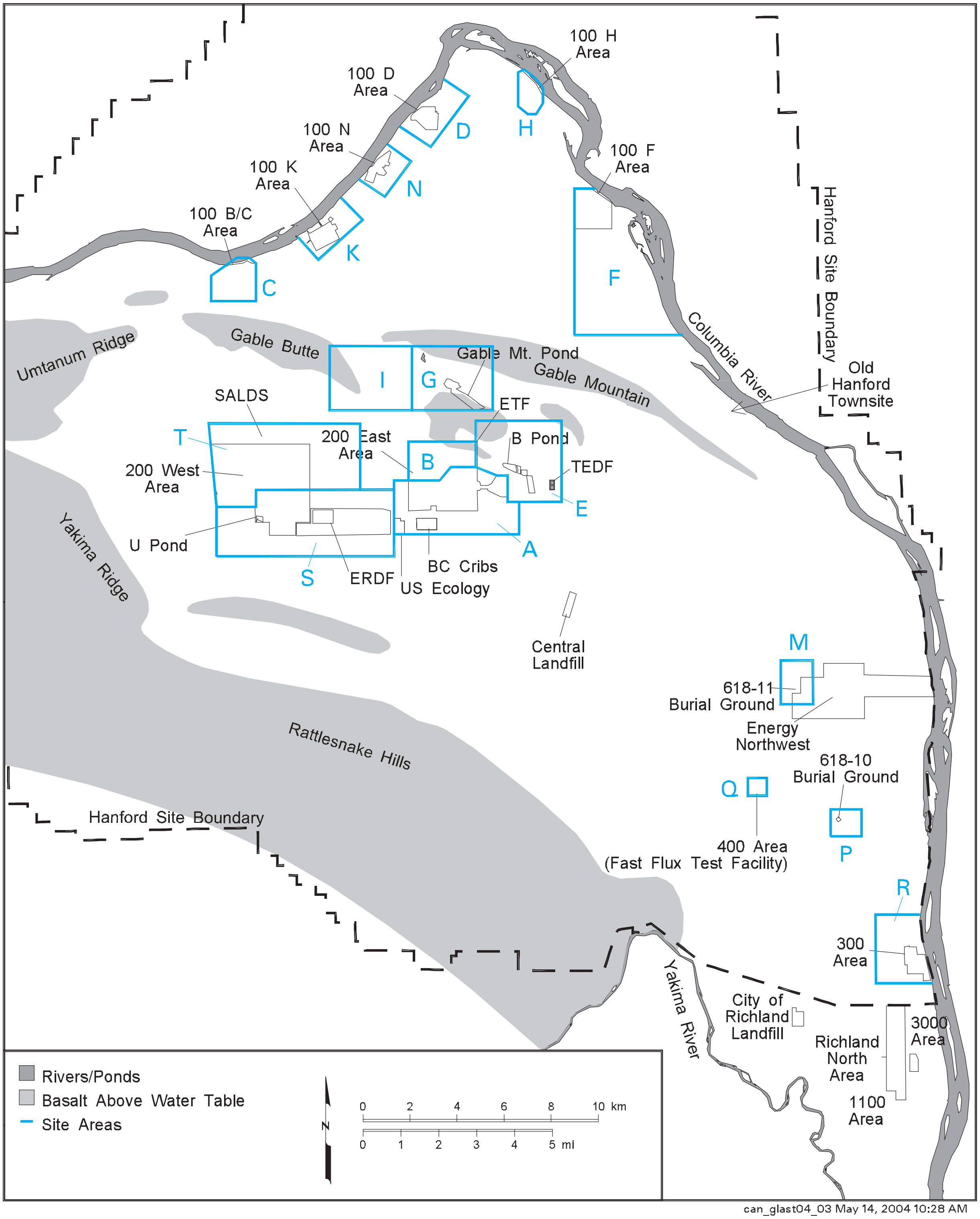

Figure 3.1. Geographic Areas Used to Define Different Hydrostratigraphic Profiles

Table 3.4. Geographic Area Designations Used in the Hydrostratigraphic Template Codes

Designation	Geographic Area Description
A	Southern 200 East Area – encompassing the PUREX (A Plant), Hot Semi-Works (C-Plant), associated facilities (including PUREX tunnels), US Ecology, and the A, AN, AP, AW, AX, AY, AZ, C Tank Farms
B	Northwestern 200 East Area – encompassing the B-Plant Area, associated waste disposal facilities, and the B, BX, BY Tank Farms
C	100-B/C Area
D	100-D/DR Area
E	East of 200 East – B-Pond Area
F	100-F Area
G	Gable Mountain Pond Area
I	200 North Area
H	100-H Area
K	100-KE/KW Area
M	600 Area near Energy Northwest and the 618-11 burial ground
N	100-N Area
P	600 Area southwest of the 400 Area near the 618-10 burial ground
Q	400 Area
R	300 Area (and a few isolated facilities in and near the 400 Area)
S	Southern 200 West Area – encompassing the REDOX (S-Plant), U-Plant, Z-Plant associated facilities, ERDF, and the S, SX, SY, U Tank Farms
T	Northern 200 West Area - encompassing T Plant , associated facilities, and the T, TX, TY Tank Farms

ERDF = Environmental Restoration Disposal Facility.
PUREX = Plutonium-Uranium Extraction (Plant).
REDOX = Reduction Oxidation (Plant).

Table 3.5. Site-Specific Area Designations Used in the Hydrostratigraphic Template Codes

Designation	Site-Specific Area Description
A_BC_W	Southern 200 East Area – representing the western portion of the BC cribs area
A_BC_E	Southern 200 East Area – representing the eastern portion of the BC cribs area
A_BT_N	Southern 200 East Area – representing the northern portion of the BC trench area
A_BT_S	Southern 200 East Area – representing the southern portion of the BC trench area
A_BT_W	Southern 200 East Area – representing the western portion of the BC trench area
A_ILAW_C	Southern 200 East Area – representing the central portion of the ILAW/IDF site
S_U_N	Southern 200 West Area – representing the northern portion of the 216-U-1&2 crib area
S_U_S	Southern 200 West Area – representing the southern portion of the 216-U-1&2 crib area
S_Z9	Southern 200 West Area – representing the 216-Z-9 trench area

IDF = Integrated Disposal Facility.
ILAW = Immobilized low-activity waste.

Table 3.6. Waste Chemistry Groups Used in the Base Template Codes

Waste Chemistry Designation	Waste Stream Description
1	Very Acidic
2	High Salt/Very Basic
3	Chelates/High Salt
4	Low Salt/Near Neutral

Table 3.7 provides a description of the general hydrostratigraphic templates established for each geographic area. Table 3.8 describes the site-specific templates set up for a number of key facilities within two of these general geographic areas.

Table 3.7. General Hydrostratigraphic Templates for Each Geographic Area

VZ Base Template Designation	Geographic Area		Waste Site Types		Waste Chemistry Designation[d]
	Area	Designation[a]	Description	Designation[b]	
100C-4	100 B/C	C	Surface Facilities	100	4
116C-4			Near Surface Facilities	116	4
100D-4	100 D	D	Surface Facilities	100	4
116D-4			Near Surface Facilities	116	4
100F-4	100 F	F	Surface Facilities	100	4
116F-4			Near Surface Facilities	116	4
100H-4	100 H	H	Surface Facilities	100	4
116H-4			Near Surface Facilities	116	4
100K-4	100 K	K	Surface Facilities	100	4
116K-4			Near Surface Facilities	116	4
166K-4			Reverse Wells	166	4
100N-4	100 N	N	Surface Facilities	100	4
116N-4			Near Surface Facilities	116	4
200G-4	Gable Mtn. Pond	G	Surface Facilities	200	4
200I-4	200 North	I	Surface Facilities	200	4
200E-4	E 200 E (B-Pond)	E	Surface Facilities	200	4
200B-2	N 200 E (B-Plant)	B	Surface Facilities	200	2
200B-4					4
216B-3			Near Surface Facilities	216	3
216B-4					4
241B-2			Tanks	241	2
266B-4			Reverse Wells	266	4
267B-2				267[c]	2

Table 3.7. (contd)

VZ Base Template Designation	Geographic Area		Waste Site Types		Waste Chemistry Designation[d]
	Area	Designation[a]	Description	Designation[b]	
200A-2	S 200 E (PUREX, BC Cribs)	A	Surface Facilities	200	2
200A-4					4
216A-2			Near Surface Facilities	216	2
216A-4					4
241A-2			Tanks	241	2
241A-3					3
266A-4			Reverse Wells	266	4
200S-2	S 200 W (REDOX, U-Plant, Z-Plant)	S	Surface Facilities	200	2
200S-4					4
216S-1	S 200 W (REDOX, U-Plant, Z-Plant)	S	Near Surface Facilities	216	1
216S-2					2
216S-4					4
241S-2			Tanks	241	2
241S-3					3
241S-4					4
266S-4			Reverse Wells	266	4
200T-2	N 200 W (T-Plant)	T	Surface Facilities	200	2
200T-4					4
216T-2			Near Surface Facilities	216	2
216T-3					3
216T-4					4
241T-2			Tanks	241	2
266T-2			Reverse Wells	266	2
266T-4					4
300R-4	300 Area (North Richland	R	Surface Facilities	300	4
316R-4			Near Surface Facilities	316	4
400Q-4	400	Q	Surface Facilities	400	4
616M-4	600	M	Near Surface Facilities	616	4
616P-4	600	P	Near Surface Facilities	616	4
River	-	-	River	-	-

(a) Assigned letter designation for geographic area.
(b) Assigned number designation for waste site type: first number designates traditional Hanford Site area (i.e., 100, 200, 300, 400, 600 Areas); last two numbers designate waste site type (00 = surface facilities, 16 = near surface facilities, 41 = tanks, 66/67 = reverse wells)
(c) Two designations are used for reverse wells that have very different depths within a single geographic area. The "67" designation distinguishes the very deep reverse wells from those at a more intermediate depth (66).
(d) Assigned number designation for waste chemistry type (see Table 3.6).
PUREX = Plutonium-Uranium Extraction (Plant).
REDOX = Reduction Oxidation (Plant).

Table 3.8. Site-Specific Templates Established for a Few Key Facilities

Template Designation	Site-Specific Area		Waste Site Types		Waste Chemistry Designation[(d)]
	Area	Designation[(a)]	Description	Designation[(b)]	
216A_BC_W-3	S 200 E, BC Cribs, Western Portion	A_BC_W	Near Surface Facilities	216	3
216A_BC_E-3	S 200 E, BC Cribs, Eastern Portion	A_BC_E	Near Surface Facilities	216	3
216A_BT_N-3	S 200 E, BC Trenches, Northern Portion	A_BT_N	Near Surface Facilities	216	3
216A_BT_N-4					4
216A_BT_S-3	S 200 E, BC Trenches, Southern Portion	A_BT_S	Near Surface Facilities	216	3
216A_BT_W-3	S 200 E, BC Trenches, Western Portion	A_BT_W	Near Surface Facilities	216	3
216A_ILAW_C-3	S 200 E, ILAW Site, Central Portion	A_ILAW_C	Near Surface Facilities	216	3
216S_U_N-4	S 200 W, 216-U-1&2 Area, Northern Portion	S_U_N	Near Surface Facilities	216	4
216S_U_S-4	S 200 W, 216-U-1&2 Area, Northern Portion	S_U_S	Near Surface Facilities	216	4
216S_Z9-1	S 200 W, 216-U-1&2 Area, Northern Portion	S_Z9	Near Surface Facilities	216	1

(a) Assigned letter designation for geographic area.
(b) Assigned number designation for waste site type: first number designates traditional Hanford Site area (i.e., 100, 200, 300, 400, 600 Areas); last two numbers designate waste site type (00 = surface facilities, 16 = near surface facilities, 41 = tanks, 66/67 = reverse wells)
(c) Two designations are used for reverse wells that have very different depths within a single geographic area. The "67" designation distinguishes the very deep reverse wells from those at a more intermediate depth (66).
(d) Assigned number designation for waste chemistry type (see Table 3.6).
ILAW = Immobilized low-activity waste.

3.2.3.5 Site Template

The Site Template uniquely identifies the site for the set of geographic and operational parameters to be used for the vadose zone simulations. For the 2004 Composite Analysis, this field is identical to that of the WIDS Site Code (see Section 3.1.1.2). However, this field has been used to aggregate multiple sites to a single template.

3.3 Remediation/Recharge Assumptions

This portion of GOSPL provides key assumptions regarding the surface soil conditions and deep drainage (recharge) at each waste site. These soil conditions and recharge estimates were derived from a suite of available field data and computer simulation results and assembled into a suite of recharge classes that describe the probability distribution function for recharge at the site. Recharge classes are defined for a number of different time intervals: Pre-Hanford, Operations, Post-Remediation, and Post-Hanford. Each recharge class was identified with a unique code based on either the primary native soil and vegetation type or the type and size of the surface barrier. Refer to the vadose zone data package (Last et al. 2004) for details.

3.3.1 Pre-Hanford Recharge Class

This field defines the recharge class to be applied to the simulations for the time period prior to the establishment of the Hanford Site in 1943. The source of this information is the vadose zone data package (Last et al. 2004), which generally assumed a natural soil cover with undisturbed shrub-steppe plant community and based on the Hanford soil map produced by Hajek (1966). Table 3.9 lists the Pre-Hanford Recharge Classes used for the 2004 Composite Analysis.

Table 3.9. Pre-Hanford Recharge Classes for the 2004 Composite Analysis

Recharge Class Code	Description	Best Estimate (mm/yr)	Estimated Standard Deviation (mm/yr)	Minimum (mm/yr)	Maximum (mm/yr)
Eb-s	Ephrata stony loam (Eb) - with shrub-steppe (s) plant community	1.5	0.75	0.75	3.0
El-s	Ephrata sandy loam (El) - with shrub-steppe (s) plant community	1.5	0.75	0.75	3.0
Ba-s	Burbank loamy sand (Ba) - with shrub-steppe (s) plant community	3.0	1.5	1.5	6.0
Rpe-s	Rupert sand (Rp) in 200 East (e) - with shrub-steppe (s) plant community	0.9	0.45	0.45	1.8
Rp-s	Rupert sand (Rp) outside 200 East - with shrub-steppe (s) plant community	4.0	2.0	2.0	8.0
River	Assumes discharge directly to the river, no release or vadose zone modeling is required, so recharge rates are not applicable.	NA	NA	NA	NA
NA = Not applicable.					

3.3.2 Operational Recharge Class

This field defines the recharge classes to be used for simulations for the time period during and after site operations, prior to any site remediation. Once again, the source of this information comes directly from the vadose zone data package (Last et al. 2004). This generally assumes that the site is covered by native soils or backfilled soils with or without vegetation; asphalt, buildings, concrete, or gravel covers. Table 3.10 lists the Operational Recharge Classes used for the 2004 Composite Analysis.

Table 3.10. Operational Recharge Classes for the 2004 Composite Analysis

Recharge Class Code	Description	Best Estimate (mm/yr)	Estimated Standard Deviation (mm/yr)	Minimum (mm/yr)	Maximum (mm/yr)[a]
Eb-dn	Ephrata stony loam (Eb), disturbed (d) – with no (n) vegetation	17	8.5	8.5	34
El-dn	Ephrata sandy loam (El), disturbed (d) – with no (n) vegetation	17	8.5	8.5	34
Ba-dg	Burbank loamy sand (Ba), disturbed (d) – with cheatgrass (g) plant community	26	13.0	13.0	52
Ba-dn	Burbank loamy sand (Ba), disturbed (d) – with no (n) vegetation	53	26.5	26.5	101
Rpe-dn	Rupert sand (Rp) in 200 East, disturbed (d) – with no (n) vegetation	44	22	22	88
Rp-dn	Rupert sand (Rp) outside 200 East, disturbed (d) – with no (n) vegetation	44	22	22	88
G-dn	Gravel surface (G), disturbed – with no (n) vegetation	89	44.5	44.5	101
ABC	Soil Surface covered by Asphalt, Building, or Concrete	0.1	0.05	0.05	0.2
River	Assumes discharge directly to the river, no release or vadose zone modeling is required, so recharge rates are not applicable.	NA	NA	NA	NA

(a) Note: the maximum recharge was truncated at the mean extended winter precipitation value of 101 mm/yr.
NA = Not applicable.

3.3.3 Interim Remedial Actions (IRA-1 and IRA-2)

Interim remedial actions (IRA) have been identified or proposed for some sites. Currently, GOSPL is configured to handle two different interim remedial action events (IRA-1 and IRA-2). For these particular sites, three additional fields have been defined (Year Interim Remedial Action Complete, Interim Remedial Action Type, and Interim Barrier/Soil Cover Type) for each remedial action event defined. The primary source of this information was from Maxfield (1979) or the WIDS database (via the *Hanford Site Waste Management Units Report* [DOE 2003]). An example for the BC cribs and trenches is shown in Table 3.11, with the fields in that table as defined below.

3.3.3.1 Year Interim Remedial Action Complete (year IRA-1 complete; year IRA-2 complete)

This field defines the year that the interim remedial action was completed.

Table 3.11. Example of Interim Remedial Actions Defined for the 2004 Composite Analysis

WIDS Site Code	IRA-1			IRA-2		
	Year Complete	Type	Barrier/Soil Type	Year Complete	Type	Barrier/Soil Type
216-B-14	1981	ABAR	Rp-ds			
216-B-20	1969	ABAR	G-dn	1982	ABAR	Rpe-ds

ABAR = Aggregate barrier.
IRA = Interim remedial actions.
WIDS = Waste Information Data System.

3.3.3.2 Interim Remedial Action Type (IRA-1 type, IRA-2 type)

This field defines the type of interim remedial action that was taken at the site. For the 2004 Composite Analysis, this includes: (1) remove, treat, and dispose (RTD) or (2) surface stabilization (e.g., aggregate barrier [ABAR], isolated barrier [IBAR]).

3.3.3.3 Interim Barrier/Soil Type (recharge class) (IRA-1 barrier/soil type; IRA-2 barrier/soil type)

This field, when populated, defines the recharge class to be applied to the site during the period after interim remediation and prior to any other interim remediation or final site remediation. For the 2004 Composite Analysis only three IRA recharge classes have been identified, G-dn (as described in Table 3.10) and Rp-ds and Rpe-ds (as described in Table 3.12).

3.3.4 Remediation

Some form of remediation (or no action) was identified for each site. A number of data fields were used to define the recharge classes to be used during the period following remediation and prior to the long-term post-remediation/closure design-life. The primary source of this information comes from the Hanford Disposition Baseline and Kincaid et al. (2004). These sources determined the schedule and type of remediation (e.g., engineered surface barriers) to be applied to each site for the 2004 Composite Analysis. The vadose zone data package (Last et al. 2004) describes the assumptions regarding the recharge rates to be used for barriers during the institutional control period, their design life, and after their design life. A key assumption of the 2004 Composite Analysis is that deep drainage beneath barrier side slopes and the surrounding terrain does not appreciably affect contaminant release from immediately below the barrier, nor transport in the vadose zone to the water table. This assumption is consistent with the previous composite analysis as well as recent and ongoing assessments.

3.3.4.1 Year Remedial Action Complete

This field defines the planned (or actual) year that remediation will be (or was) completed at the site. This assumes that all remedial action for that particular site is completed within a given year. For those sites slated for no further action, a value of “NA” was used, indicating that the recharge class would not change from its pre-remediation time period.

3.3.4.2 Remediation Type

This field identifies the type of remedial action planned (or completed) for the site, including: no action; decontamination and decommissioning (D&D); remove, treat, and dispose (RTD); isolated barriers (IBAR), or aggregate barriers (ABAR). This field identifies a number of different aggregate barriers defined by a unique alphanumeric code, with the same code assigned to all sites to be covered by the same aggregate barrier.

3.3.4.3 Barrier Type

This field identifies the type of barrier planned (or completed) for the site. If the remediation type is anything other than an IBAR or ABAR, then this field is blank. Otherwise this field contains either Resource Conservation and Recovery Act (RCRA) C or Hanford to designate the two types of surface barriers currently planned for Hanford waste sites.

3.3.4.4 Barrier Infiltration Class

This field assigns an infiltration (recharge) class to those sites that are to receive a surface barrier. If the remediation type (Section 3.3.6.2) is anything other than an IBAR or ABAR, then this field is blank. Otherwise this field is calculated from a lookup table of barrier infiltration classes based on the estimated barrier top-to-side slope ratio. It was developed to help address the possible effects of side slopes on barrier recharge rates. However, for the 2004 Composite Analysis it is assumed that deep drainage beneath the barrier side slopes and the surrounding terrain does not appreciably affect contaminant release and transport (Last et al. 2004). Thus far, for the baseline case of the 2004 Composite Analysis, the actual values in this field are of no consequence. These infiltration assignments that account for side slope influence may be used in a sensitivity case.

3.3.4.5 Post Remediation Recharge Classes

This field provides the recharge class to be used for the post-remediation time period (i.e., following site remediation and prior to any soil/barrier evolution/degradation). This field is calculated by combining the information from the Barrier Type and Barrier Infiltration Class, if the Barrier Type is not blank, or by modifying the information in the Pre-Operations Recharge Class to replace the suffix with "-ds" (to reflect disturbed shrub-steppe vegetation). If the VZ Template Site Type is "River," then this field is calculated as "River." The general Excel formula used to calculate this field is as follows:

$$= IF(A = "", IF(B = "River", "River", REPLACE(C, SEARCH("-", C, 1), 2, "-ds")), D\&"-"\&A) \quad (2)$$

where A = Barrier Infiltration Class
B = Vadose Zone Template Type
C = Pre-Operations Infiltration Class
D = Barrier Type.

Table 3.12 lists the post-remediation recharge classes for the composite analysis. Note that for this composite analysis all sizes of RCRA C and Hanford Barriers have the same estimated recharge rates (i.e., there are no side-slope effects). Refer to the vadose zone data package (Last et al. 2004) for further discussion.

Table 3.12. Post-Remediation Recharge Classes

Recharge Class Code	Description	Best Estimate (mm/yr)	Estimated Standard Deviation (mm/yr)	Minimum (mm/yr)	Maximum (mm/yr)
RCRA C-Ixx	Modified RCRA C – barrier top during design life	0.1	0.05	0.05	0.20
Hanford-Ixx	Hanford Barrier – barrier top during design life	0.1	0.05	0.05	0.20
Ba-ds	Burbank loamy sand (Ba), disturbed (d) – with young shrub-steppe (s) plant community	6.0	3.0	3.0	12
Eb-ds	Ephrata stony loam (Eb), disturbed (d) - with young shrub-steppe (s) vegetation	3.0	1.5	1.5	6.0
El-ds	Ephrata sandy loam (El), disturbed (d) – with young shrub-steppe (s) vegetation	3.0	1.5	1.5	6.0
Rp-ds	Rupert sand (Rp) outside 200 East, disturbed (d) – with young shrub-steppe (s) plant community	8.0	4.0	4.0	16.0
Rpe-ds	Rupert sand (Rp) in 200 East, disturbed (d) – with young shrub-steppe (s) plant community	1.8	0.9	0.9	3.6
River	Assumes discharge directly to the river, no release or vadose zone modeling is required, so recharge rates are not applicable.	NA	NA	NA	NA
NA = Not applicable.					

3.3.4.6 Post-Remediation/Barrier Design Life

This field defines the design life of the post-remediation period (i.e., that period after remediation is complete and prior to any significant degradation of the surface soils (e.g., barrier) or succession of plant communities). Table 3.13 lists the Post-Remediation/Barrier Design Life.

Table 3.13. Post-Remediation/Barrier Design Life

Post-Remediation Soil Conditions (recharge classes)	Design Life (years)
Native soil with young shrub-steppe plant community (Ba-ds, Eb-ds, El-ds, Rp-ds, Rpe-ds)	30
RCRA C surface barrier	500
Hanford surface barrier	1,000
River	NA
NA = Not applicable. RCRA = Resource Conservation and Recovery Act.	

3.3.4.7 Barrier End Date

This field defines the date at which the post-remediation recharge period ends and the final long-term recharge period begins. This field is calculated by adding the Design Life to the Year Remedial Action Complete. However, if the Release Model Designation is "River," then this field is calculated as "NA," or if the Year Remedial Action Complete field is "NA," then this field is calculated as "2010." The general Excel formula used to calculate this field is as follows:

$$= IF(A = "River", "NA", IF(B = "NA", 2010, B + C)) \quad (3)$$

where A = Release Model Designation
B = Year Remedial Action Complete
C = Post-remediation/Barrier Design Life.

3.3.4.8 Final Long-Term Recharge Class

This field defines the final long-term recharge class to be used for the final simulation period. This field is calculated as being equal to the Pre-Operational Infiltration Class.

4.0 Conclusions and Recommendations

A composite analysis is required by U.S. Department of Energy (DOE) Order 435.1 to ensure public safety through the management of active and planned low-level radioactive waste disposal facilities associated with the Hanford Site. Kincaid et al. (2004) indicated that the System Assessment Capability (SAC) (Kincaid et al. 2000; Bryce et al. 2002; Eslinger 2002a, 2002b) would be used for the analysis. They also identified 1,046 waste sites from the 2,730 WIDS sites and several existing and future storage sites for inclusion in the 2004 Composite Analysis. Each of these sites will be handled as an individual release or storage site whenever inventory and release data permit.

A number of pieces of information, such as the site identification, coordinates, release model, hydrogeologic column (template), remediation action, infiltration class, and the start time and stop time of a simulated problem, are needed for the numerical assessment. The ESD keyword file was designed to contain this common information. Generally, if information is needed by one or more module of the suite of codes used by SAC, it is entered in the ESD keyword file. A number of the ESD keywords are generated from general information on the waste site, its operational/disposal history, and its environmental settings (past, current, and future). To facilitate the generation of these ESD keyword input files, a master spreadsheet termed the Geographic and Operational Site Parameters List (GOSPL) was assembled. It can generally be subdivided into three main sections: Site-Specific Parameters, Model-Specific Instructions, and Remediation/Infiltration Assumptions. This report briefly describes each of the key data fields, including the source(s) of data, and provides the inputs to be used for the 2004 Composite Analysis.

This master spreadsheet was originally developed for the initial assessments conducted using the SAC to lock down the site-specific location and facility design parameters as well as the key model assumptions for each assessment. GOSPL has continued to evolve as the site information and/or assessment basis has changed. It is recommended that a complete restructuring of GOSPL be developed to interactively retrieve data directly from the record databases (e.g., WIDS) and to streamline the selection of sites and model assumptions.

5.0 References

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Appendix

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infilration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
C	4490	100-B-15	100BC River effluent Pipelines	1	River	Radioactive Process Sewer	########	########			line	1438.0	1.4			1973.655		NA	River	River	100-B-15	River	1944	River	1972							2003	RTD			NA	NA	NA	NA
C	1839	100-B-3		1	116	Burial Grounc	565290.00	144369.00			point					*999.000*		4	Soil-Debris	116C-4	100-B-3	Eb-s	1952	Eb-dn	1952							2003	RTD			Eb-ds	30	2033	Eb-s
C	1845	100-B-5		1	116	Trench	565437.00	144568.00			point	30.5	3.0	3.0		*92.903*		4	Liquid	116C-4	100-B-5	Eb-s	1954	Eb-dn	1956							2004	RTD			Eb-ds	30	2034	Eb-s
C	3912	100-B-8	100-B-8, 100-B Reactor Cooling Water Effluent Underground Pipelines (2 Subsites)	1	100	Radioactive Process Sewer	565342.19	144504.94			line/poly					*99.900*		4	Liquid	100C-4	100-B-8	Eb-s	1944	Eb-dn	1968							2004	RTD			Eb-ds	30	2034	Eb-s
C	1844	100-C-3		1	100	French Drair	565392.50	143951.97			point				0.6	*0.292*		4	Liquid	100C-4	100-C-3	Eb-s	1960	Eb-dn	*1960*							2005	RTD			Eb-ds	30	2035	Eb-s
C	3914	100-C-6	100-C-6, 100-C Reactor Cooling Water Effluent Underground Pipelines (3 Subsites)	1	100	Radioactive Process Sewer	565387.81	143991.48			line/poly					*99.900*		4	Liquid	100C-4	100-C-6	Eb-s	1952	Eb-dn	1969							2005	RTD			Eb-ds	30	2035	Eb-s
C	13	116-B-1		1	116	Trench	565538.56	145293.56			polygon	112.8	15.2	4.6		1718.706		4	Liquid	116C-4	116-B-1	Eb-s	1950	Eb-dn	1968							1999	RTD			Eb-ds	30	2029	Eb-s
C	21	116-B-2		1	116	Trench	565413.19	144511.23			point	22.9	3.0	4.6		*69.677*		4	Liquid	116C-4	116-B-2	Eb-s	1946	Eb-dn	1946							1999	RTD			Eb-ds	30	2029	Eb-s
C	22	116-B-3		1	116	Crib	565356.00	144527.48			polygon	3.0	3.0	6.1		23.226		4	Liquid	116C-4	116-B-3	Eb-s	1951	Eb-dn	1952							1999	RTD			Eb-ds	30	2029	Eb-s
C	23	116-B-4		1	116	French Drair	565368.75	144508.84			polygon			4.572	1.2	6.039		*4*	Liquid	116C-4	116-B-4	Eb-s	1957	Eb-dn	1968							1997	RTD			Eb-ds	30	2027	Eb-s
C	24	116-B-5		1	116	Crib	565289.63	144761.75			polygon	27.0	2.4	3.53568		*65.902*		*4*	Liquid	116C-4	116-B-5	Eb-s	1950	Eb-dn	1968							1997	RTD			Eb-ds	30	2027	Eb-s
C	25	116-B-6A		1	116	Crib	565387.56	144370.98			point	3.7	2.4	4.6		23.226		*4*	Liquid	116C-4	116-B-6A	Eb-s	1951	Eb-dn	1968							1999	RTD			Eb-ds	30	2029	Eb-s
C	26	116-B-6B		1	116	Crib	565401.00	144344.00			point	3.7	2.4	4.6		7.897		*4*	Liquid	116C-4	116-B-6B	Eb-s	1950	Eb-dn	1953							1999	RTD			Eb-ds	30	2029	Eb-s
C	27	116-B-7		1	River	Outfall	565257.44	145324.63			polygon	8.2	4.3	6.4		36.697		NA	River	River	116-B-7	River	1944	River	1972							2001	*RTD*			NA	NA	NA	NA
C	29	116-C-1		1	116	Trench	565849.06	145284.91	5	(565695.044,145310.112), (565702.596,145264.803), (565974.449,145297.527), (565971.932,145345.353), (565695.044,145310.112)	polygon	152.4	15.2	6.096		*2322.576*		*4*	Liquid	116C-4	116-C-1	Eb-s	1952	Eb-dn	1968							1997	RTD			Eb-ds	30	2027	Eb-s
C	30	116-C-2A		1	116	Crib	565501.75	144030.41			polygon	6.8	4.7	7.9		83.613		4	Liquid	116C-4	116-C-2A	Eb-s	1952	Eb-dn	1969							1999	RTD			Eb-ds	30	2029	Eb-s
C	32	116-C-2C		1	116	Sand Filter	565478.13	144022.31			polygon	12.6	5.5	5.5		34.188		4	Liquid	116C-4	116-C-2C	Eb-s	1952	Eb-dn	1969							1999	RTD			Eb-ds	30	2029	Eb-s
C	102	118-B-1		1	116	Burial Grounc	564387.31	143945.20			polygon	304.8	97.8	6.1		2982.188		4	Soil-Debris	116C-4	118-B-1	Eb-s	1944	Eb-dn	1973							2005	RTD			Eb-ds	30	2035	Eb-s
C	104	118-B-2		1	116	Burial Grounc	565474.00	144578.42			polygon	18.3	9.1	3.0		167.225		4	Soil-Debris	116C-4	118-B-2	Eb-s	1952	Eb-dn	1956							2005	RTD			Eb-ds	30	2035	Eb-s
C	105	118-B-3		1	116	Burial Grounc	565549.69	144596.83			polygon	106.7	83.8	6.096		8941.918		*4*	Soil-Debris	116C-4	118-B-3	Eb-s	1956	Eb-dn	1960							2006	RTD			Eb-ds	30	2036	Eb-s
C	106	118-B-4		1	116	Burial Grounc	565365.56	144619.52			polygon	15.2	9.1	4.6		139.355		4	Soil-Debris	116C-4	118-B-4	Eb-s	1956	Eb-dn	1958							2006	RTD			Eb-ds	30	2036	Eb-s
C	107	118-B-5		1	116	Burial Grounc	565391.44	144417.39			polygon	15.2	15.2	6.1		232.258		4	Soil-Debris	116C-4	118-B-5	Eb-s	1953	Eb-dn	1953							2004	RTD			Eb-ds	30	2034	Eb-s
C	108	118-B-6		1	116	Burial Grounc	565355.63	144637.66			polygon	4.6	3.0	6.096		13.935		*4*	Soil-Debris	116C-4	118-B-6	Eb-s	1950	Eb-dn	1953							2006	RTD			Eb-ds	30	2036	Eb-s
C	109	118-B-7	111-B Solid Waste Burial Site	1	116	Burial Ground	565412.00	144348.20			point	2.1	2.4	2.4		5.950		*4*	Soil-Debris	116C-4	118-B-7	Eb-s	1951	Eb-dn	1968							2004	RTD			Eb-ds	30	2034	Eb-s
C	110	118-B-8		1	100	Reactor	565288.19	144512.22			polygon					3948.379		4	Reactor Block/Soil-Debris	100C-4	118-B-8	Eb-s	1944	ABC	1968							2004	No Action			Eb-ds	30	2034	Eb-s
C	111	118-B-9		1	100	Storage	565293.19	144630.98			polygon	7.3	3.7	3.048		*26.756*		*4*	Soil-Debris	100C-4	118-B-9	Eb-s	1950	Eb-dn	1955							2004	RTD			Eb-ds	30	2034	Eb-s
C	112	118-C-1		1	116	Burial Grounc	565575.44	143911.34			polygon	155.4	121.9	6.1		18952.220		4	Soil-Debris	116C-4	118-C-1	Eb-s	1953	Eb-dn	1969							2006	RTD			Eb-ds	30	2036	Eb-s
C	114	118-C-3		1	100	Reactor	565374.25	144004.13			polygon					6038.698		4	Reactor Block/Soil-Debris	100C-4	118-C-3	Eb-s	1952	ABC	1969							2006	RTD			Eb-ds	30	2036	Eb-s
C	115	118-C-4	105-C Horizontal contrl cave	1	100	Storage	565397.94	143898.48			polygon	12.2	7.6	1.2		92.888		4	Soil-Debris	100C-4	118-C-4	Eb-s	1950	Eb-dn	1969							2006	RTD			Eb-ds	30	2036	Eb-s
C	229	132-C-2		1	River	Outfall	565719.81	145480.98			point	16.0	8.2			131.179		NA	River	River	132-C-2	River	*1944*	River	*1969*							2001	*RTD*			NA	NA	NA	NA
C	1177	600-33		1	116	Burial Grounc	565368.94	143846.78			point	6.1	6.1			*37.210*		4	Soil-Debris	116C-4	600-33	Eb-s	1963	Eb-dn	1963							2006	RTD			Eb-ds	30	2036	Eb-s
D	3620	100-D-23		1	116	French Drair	573751.19	151234.19			point					*0.999*		*4*	Liquid	116D-4	100-D-23	El-s	1959	El-dn	*1967*							2009	RTD			El-ds	30	2039	El-s
D	3622	100-D-24		1	116	French Drair	573745.56	151540.80			point					*0.999*		*4*	Liquid	116D-4	100-D-24	El-s	1959	El-dn	*1967*							2007	RTD			El-ds	30	2037	El-s
D	1907	100-D-29		1	116	Unplanned Release	573832.38	152132.50			polygon	*69.0*	*11.0*			*740.075*		4	Liquid	116D-4	100-D-29	El-s	1951	El-dn	*1951*							2007	RTD			El-ds	30	2037	El-s
D	1668	100-D-3		1	116	Burial Grounc	573818.56	151513.86			polygon					*999.000*		4	Soil-Debris	116D-4	100-D-3	El-s	*1953*	El-dn	*1955*							2007	RTD			El-ds	30	2037	El-s
D	3732	100-D-32		1	116	Burial Grounc	573857.38	151432.53			polygon	15.2	15.2			231.040		4	Soil-Debris	116D-4	100-D-32	El-s	1956	El-dn	*1955*							2007	RTD			El-ds	30	2037	El-s
D	3824	100-D-40		1	116	Burial Grounc	574039.06	151546.05			polygon			6.1	12.2	*116.900*		4	Soil-Debris	116D-4	100-D-40	El-s	*1953*	El-dn	*1955*							2009	RTD			El-ds	30	2039	El-s
D	3827	100-D-42		1	116	Burial Grounc	573848.81	151522.88			polygon	*28.0*	*13.0*			276.548		4	Soil-Debris	116D-4	100-D-42	El-s	1955	El-dn	1955							2007	RTD			El-ds	30	2037	El-s
D	3767	100-D-43		1	116	Burial Grounc	573852.00	151507.50			polygon	21.3	7.6	4.6		*162.580*		4	Soil-Debris	116D-4	100-D-43	El-s	*1953*	El-dn	*1955*							2009	RTD			El-ds	30	2039	El-s
D	3831	100-D-45		1	116	Burial Grounc	573821.56	151500.77			polygon	24.7	7.3	5.2		*180.604*		4	Soil-Debris	116D-4	100-D-45	El-s	*1953*	El-dn	*1955*							2007	RTD			El-ds	30	2037	El-s
D	3768	100-D-47		1	116	Burial Grounc	574000.13	151493.63			polygon	57.0	69.5			*3961.014*		4	Soil-Debris	116D-4	100-D-47	El-s	*1953*	El-dn	*1955*							2010	RTD			El-ds	30	2040	El-s
D	3943	100-D-49		1	100	Radioactive Process	########	########			*line*					*99.900*		4	Liquid	100D-4	100-D-49	El-s	1950	El-dn	1967							2007	RTD			El-ds	30	2037	El-s
D	4147	100-D-53	117-DR Filter Building	1	100	Process Unit/Plant	573753.00	151209.64			polygon	20.7	11.9			246.480		*4*	Cement	100D-4	100-D-53	El-s	1960	El-dn	*1960*							2010	RTD			El-ds	30	2040	El-s
D	4411	100-D-59	French Drain at the 183-D Acid Transfer Station	1	116	French Drain	########	########			point			0.3	0.5	*0.159*		4	Liquid	116D-4	100-D-59	El-s	*1969*	El-dn	*1969*							*2010*	*RTD*			El-ds	30	2040	El-s
D	4491	100-D-60	100D River Effluent	1	River	Radioactive Process	########	########			line	400	3.8			1528.000		NA	River	River	100-D-60	River	*1949*	River	*1969*							2008	RTD			NA	NA	NA	NA
D	1828	100-D-8	105-DR Process Sewer Outfall Site	1	River	Outfall	572625.00	151569.45			polygon					*9.990*		NA	River	River	100-D-8	River	1949	River	1968							2008	RTD			NA	NA	NA	NA
D	37	116-D-1A		1	116	Trench	573861.25	151588.91			polygon	39.6	3.0	6.4		120.774		4	Liquid	116D-4	116-D-1A	El-s	1947	El-dn	1952							2001	RTD			El-ds	30	2031	El-s
D	38	116-D-1B		1	116	Trench	573841.31	151613.67			polygon	30.5	3.0	6.4		92.903		4	Liquid	116D-4	116-D-1B	El-s	1953	El-dn	1967							2001	RTD			El-ds	30	2031	El-s
D	39	116-D-2		1	116	Crib	573819.38	151536.27			polygon	3.0	3.0	6.1		120.774		4	Liquid	116D-4	116-D-2	El-s	1950	El-dn	1956							1999	RTD			El-ds	30	2029	El-s
D	42	116-D-5		1	River	Outfall	573502.19	152319.13			polygon	18.3	7.3			133.7803781		NA	River	River	116-D-5	River	*1969*	River	*1969*							2008	RTD			NA	NA	NA	NA
D	45	116-D-8	100-D Cask Storage Pad	1	100	Storage	573695.50	151280.61			polygon					*0.999*		4	Soil-Debris	100D-4	116-D-8	El-s	1946	El-dn	1975							2010	RTD			El-ds	30	2040	El-s
D	47	116-DR-1%2		1	116	Trench	574013.56	152328.47	6	(574063.679,152347.690), (573952.812,152348.922), (573954.044,152291.024), (574003.318,152251.605), (574063.679,152251.605), (574063.679,152347.690)	polygon	137.2	4.6	*6.1*		4856.228		4	Liquid	116D-4	116-DR-1%2	El-s	1950	El-dn	1967							2000	RTD			El-ds	30	2030	El-s
D	50	116-DR-3		1	116	Trench	573829.56	151207.05			polygon	18.3	12.2	3.0		*222.967*		4	Liquid	116D-4	116-DR-3	El-s	1955	El-dn	1955							2010	RTD			El-ds	30	2040	El-s
D	51	116-DR-4		1	116	Crib	573824.25	151227.66			point	3.0	3.0	6.1		*9.290*		4	Liquid	116D-4	116-DR-4	El-s	1950	El-dn	1956							2000	RTD			El-ds	30	2030	El-s
D	52	116-DR-5		1	River	Outfall	573625.56	152441.50			polygon	8.2	4.3			35.11734925		NA	River	River	116-DR-5	River	*1969*	River	*1969*							2008	RTD			NA	NA	NA	NA
D	53	116-DR-6		1	116	Trench	573854.38	151290.83			polygon	15.2	3.0	5.0		46.452		4	Liquid	116D-4	116-DR-6	El-s	1953	El-dn	1965							2000	RTD			El-ds	30	2030	El-s
D	55	116-DR-8		1	116	Crib	573820.75	151127.88			polygon	3.0	3.0	5.2		9.290		4	Liquid	116D-4	116-DR-8	El-s	1960	El-dn	1964							2010	RTD			El-ds	30	2040	El-s
D	116	118-D-1		1	116	Burial Grounc	573708.88	150968.16			polygon	137.2	114.3	6.1		15677.388		4	Soil-Debris	116D-4	118-D-1	El-s	1944	El-dn	1967							2007	RTD			El-ds	30	2037	El-s
D	117	118-D-2		1	116	Burial Grounc	572949.06	150919.08			polygon	304.8	109.7	6.1		33445.095		4	Soil-Debris	116D-4	118-D-2	El-s	1949	El-dn	1970							2008	RTD			El-ds	30	2038	El-s
D	118	118-D-3		1	116	Burial Grounc	573973.81	151317.53			polygon	304.8	76.2	6.1		*23225.761*		4	Soil-Debris	116D-4	118-D-3	El-s	1956	El-dn	1973							2008	RTD			El-ds	30	2038	El-s
D	119	118-D-4		1	116	Burial Grounc	574093.75	151481.55			polygon	182.9	61.0			*11148.365*		4	Soil-Debris	116D-4	118-D-4	El-s	1953	El-dn	1967							2009	RTD			El-ds	30	2039	El-s
D	120	118-D-5		1	116	Burial Grounc	573784.44	151199.86			polygon			3.0		148.645		4	Soil-Debris	116D-4	118-D-5	El-s	1954	El-dn	1954							2009	RTD			El-ds	30	2039	El-s
D	121	118-D-6		1	100	Reactor	573763.44	151590.52			polygon					3948.379		4	Reactor Block/Soil-Debris	100D-4	118-D-6	El-s	1944	El-dn	1967							2008	RTD			El-ds	30	2038	El-s
D	122	118-DR-1		1	116	Burial Grounc	573771.44	151102.48			polygon	38.1	22.9	8.8		870.966		4	Soil-Debris	116D-4	118-DR-1	El-s	1963	El-dn	1964							2010	RTD			El-ds	30	2040	El-s
D	123	118-DR-2		1	100	Reactor	573771.69	151293.30			polygon					3948.379		4	Reactor Block/Soil-Debris	100D-4	118-DR-2	El-s	1950	ABC	1964							2010	RTD			El-ds	30	2040	El-s
D	147	120-D-2	186-D Waste Acid Receiver	1	116	Surface Impoundmen	573431.31	151556.22			polygon	28.1	28.1	4.3		791.860		4	Soil-Debris	116D-4	120-D-2	El-s	*1969*	ABC	*1969*							2008	RTD			El-ds	30	2038	El-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
D	172	122-DR-1	105-DR Sodium Fire Facility	1	100	Laboratory	573748.63	151234.59			polygon					790.000		4	Liquid	100D-4	122-DR-1	El-s	1972	ABC	1986							2010	RTD			El-ds	30	2040	El-s
D	236	132-DR-2		1	100	Stack	573757.75	151240.20			polygon	61.0			5.1	20.400		4	Soil-Debris	100D-4	132-DR-2	El-s	1950	ABC	1986							2010	RTD			El-ds	30	2040	El-s
F	1670	100-F-10		1	116	French Drain	580490.19	147590.94			point				0.9	0.657		4	Liquid	116F-4	100-F-10	Rp-s	1944	Rp-dn	1965							2003	RTD			Rp-ds	30	2033	Rp-s
F	1672	100-F-12		1	116	French Drain	580460.44	147630.00			point				0.9	0.657		4	Liquid	116F-4	100-F-12	Rp-s	1944	Rp-dn	1965							2002	RTD			Rp-ds	30	2032	Rp-s
F	1850	100-F-19		1	100	Radioactive Process	########	########			line	2214.7				99.900		4	Liquid	100F-4	100-F-19	Rp-s	1945	Rp-dn	1965							2003	RTD			Rp-ds	30	2033	Rp-s
F	3915	100-F-23		1	116	French Drain	580871.00	147790.78			point					0.999		4	Liquid	116F-4	100-F-23	Rp-s	1944	Rp-dn	1965							2003	RTD			Rp-ds	30	2033	Rp-s
F	3916	100-F-24	145-F Drywel	1	116	French Drain	580864.81	147825.23			point					0.999	Animal Waste	4	Liquid	116F-4	100-F-24	Rp-s	1977	Rp-dn	1977							2004	RTD			Rp-ds	30	2034	Rp-s
F	3917	100-F-25		1	116	French Drain	580925.06	148040.36			point				1.5	1.824		4	Liquid	116F-4	100-F-25	Rp-s	1956	Rp-dn	1975							2005	RTD			Rp-ds	30	2035	Rp-s
F	3926	100-F-29		1	100	Radioactive Process	########	########			line					99.900		4	Liquid	100F-4	100-F-29	Rp-s	1945	Rp-dn	1976							2005	RTD			Rp-ds	30	2035	Rp-s
F	4173	100-F-33	146-F Aquatic Biology Fish Ponds	1	100	Unplanned Release	580913.94	148056.19			polygon	49.0	19.0			889.310		4	Liquid	100F-4	100-F-33	Rp-s	1952	Rp-dn	1971							2005	RTD			Rp-ds	30	2035	Rp-s
F	4387	100-F-36	108-F Chemical Pump House, 108-F Biological Laboratory	1	100	Laboratory	580600.56	147613.91				45.87	9.75	17.68		447.233		4	Soil-Debris/Liquid	100F-4	100-F-36	Rp-s	1944	ABC	1973							2005	RTD			Rp-ds	30	2035	Rp-s
F	4469	100-F-37	French Drain Discovered Near Hydrant F-2	1	100	French Drain	580712.81	147677.92								0.999		4	Liquid	100F-4	100-F-37	Rp-s	1969	Rp-dn	1969							2005	RTD			Rp-ds	30	2035	Rp-s
F	4470	100-F-38	Yellow Stained Soil Near Hydrant F-2	1	100	Unplanned Release	580702.44	147672.64								0.999		4	Soil-Debris	100F-4	100-F-38	Rp-s	1969	Rp-dn	1969							2005	RTD			Rp-ds	30	2035	Rp-s
F	4492	100-F-39	100F River Effluent Pipelines, 100F River Lines	1	River	Radioactive Process Sewer	########	########				91.0	2.1			194.740		4	River	River	100-F-39	River	1944	River	1969							2005	RTD			NA	NA	NA	NA
F	1680	100-F-9		1	116	French Drain	580490.19	147597.64			point				0.9	0.657		4	Liquid	116F-4	100-F-9	Rp-s	1944	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	57	116-F-1		1	116	Trench	579989.19	148050.38			polygon	1744.0	6.1	3.0		10638.400		4	Liquid	116F-4	116-F-1	Rp-s	1953	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	58	116-F-10		1	116	French Drain	580453.38	147500.50			point			6.096	0.9	0.999		4	Liquid	116F-4	116-F-10	Rp-s	1948	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	59	116-F-11		1	116	French Drain	580450.88	147576.00			point			0.9144	0.9	0.83612736		4	Liquid	116F-4	116-F-11	Rp-s	1953	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	64	116-F-16	PNL Outfall	1	River	Outfall	580963.44	148143.98				30.5	4.6			4.570		4	River/Liquid	River	116-F-16	River	1969	River	1969							2006	RTD			NA	NA	NA	NA
F	65	116-F-2		1	116	Trench	581147.88	147681.13			polygon	158.8	6.1	3.4		968.050		4	Liquid	116F-4	116-F-2	Rp-s	1950	Rp-dn	1965							2002	RTD			Rp-ds	30	2032	Rp-s
F	66	116-F-3		1	116	Trench	580440.50	147530.73			polygon	30.5	6.1	3.4		303.514		4	Liquid	116F-4	116-F-3	Rp-s	1947	Rp-dn	1951							2006	RTD			Rp-ds	30	2036	Rp-s
F	67	116-F-4		1	116	Crib	580387.63	147524.25			polygon	1.8	1.8	3.0		9.290		4	Liquid	116F-4	116-F-4	Rp-s	1950	Rp-dn	1952							2001	RTD			Rp-ds	30	2031	Rp-s
F	68	116-F-5		1	116	Crib	580378.81	147504.56			polygon	3.0	3.0	2.7		9.290		4	Liquid	116F-4	116-F-5	Rp-s	1954	Rp-dn	1964							2001	RTD			Rp-ds	30	2031	Rp-s
F	69	116-F-6		1	116	Trench	580482.50	147456.89			polygon	91.4	30.5	3.0		2787.091		4	Liquid	116F-4	116-F-6	Rp-s	1952	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	70	116-F-7		1	116	French Drain	580355.13	147450.84			point	6.1	6.1	5.1816		0.999		4	Liquid	116F-4	116-F-7	Rp-s	1960	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	71	116-F-8		1	River	Outfall	580963.81	148107.72			polygon	8.2	4.3			36.23218573		NA	River	River	116-F-8	River	1969	River	1969							2006	RTD			NA	NA	NA	NA
F	72	116-F-9		1	116	Trench	581095.56	147874.61			polygon	154.5	3.0	3.0		696.773		4	Liquid	116F-4	116-F-9	Rp-s	1963	Rp-dn	1976							2002	RTD			Rp-ds	30	2032	Rp-s
F	124	118-F-1		1	116	Burial Ground	580146.06	147239.50			polygon	182.9	152.4	6.1		2787.091		4	Soil-Debris	116F-4	118-F-1	Rp-s	1954	Rp-dn	1965							2005	RTD			Rp-ds	30	2035	Rp-s
F	125	118-F-2		1	116	Burial Ground	579919.44	147512.48			polygon	112.2	99.4	6.1		11148.365		4	Soil-Debris	116F-4	118-F-2	Rp-s	1945	Rp-dn	1965							2006	RTD			Rp-ds	30	2036	Rp-s
F	126	118-F-3		1	116	Burial Ground	580328.44	147495.78			polygon	53.3	15.2	4.6		812.902		4	Soil-Debris	116F-4	118-F-3	Rp-s	1952	Rp-dn	1952							2006	RTD			Rp-ds	30	2036	Rp-s
F	127	118-F-4		1	116	Crib	580303.13	147533.02			point	3.0	3.0	4.6		9.290		4	Liquid/Soil-Debris	116F-4	118-F-4	Rp-s	1949	Rp-dn	1949							2007	RTD			Rp-ds	30	2037	Rp-s
F	128	118-F-5		1	116	Burial Ground	581341.81	147459.33			polygon	152.4	45.7	4.6		6967.728		4	Soil-Debris	116F-4	118-F-5	Rp-s	1954	Rp-dn	1975							2007	RTD			Rp-ds	30	2037	Rp-s
F	129	118-F-6		1	116	Burial Ground	580130.38	147112.30			polygon	121.9	61.0	5.5		7432.243		4	Soil-Debris	116F-4	118-F-6	Rp-s	1965	Rp-dn	1973							2008	RTD			Rp-ds	30	2038	Rp-s
F	130	118-F-7	100-F Miscellaneous Hardware Storage Vault, Concrete Box	1	100	Storage	580444.50	147501.94				4.88	2.44	2.44		11.907		4	Soil-Debris	100F-4	118-F-7	Rp-s	1945	ABC	1965							2008	RTD			Rp-ds	30	2038	Rp-s
F	131	118-F-8		1	100	Reactor	580432.69	147600.23			polygon					4112.500		4	Reactor Block/Soil-Debris	100F-4	118-F-8	Rp-s	1944	ABC	1965							2005	RTD			Rp-ds	30	2035	Rp-s
F	239	132-F-5		1	116	Burial Ground	580353.31	147622.63			polygon	18.3	12.2	8.2		222.967		4	Soil-Debris	116F-4	132-F-5	Rp-s	1960	Rp-dn	1965							2007	RTD			Rp-ds	30	2037	Rp-s
F	1634	141-C		1	100	Laboratory	580881.63	147843.22			polygon					431.070		4	Soil-Debris	100F-4	141-C	Rp-s	1945	ABC	1976							2007	RTD			Rp-ds	30	2037	Rp-s
F	1238	600-111	P-11 Critical Mass Laboratory Crib	1	116	Crib	582272.88	142762.97			point	2.4	2.4			5.946	Low-level plutonium waste	4	Liquid	116F-4	600-111	Rp-s	1949	Rp-dn	1951							2004	RTD			Rp-ds	30	2034	Rp-s
F	1247	UPR-100-F-1		1	100	Unplanned Release	580915.00	147862.00			point	12.2	12.2			148.645		4	Liquid	100F-4	UPR-100-F-1	Rp-s	1971	Rp-dn	1971							2008	RTD			Rp-ds	30	2038	Rp-s
F	1751	UPR-100-F-3	Mercury Spill	1	100	Unplanned Release	580920.50	148035.77			point	3.0	3.0			9.290		4	Soil-Debris	100F-4	UPR-100-F-3	Rp-s	1977	Rp-dn	1977							2008	RTD			Rp-ds	30	2038	Rp-s
H	1870	100-H-10		1	116	French Drain	577771.88	152560.84			polygon				1.2	1.167		4	Liquid	116H-4	100-H-10	Ba-s	1950	Ba-dn	1965							2003	RTD			Ba-ds	30	2033	Ba-s
H	1872	100-H-12		1	116	French Drain	577798.38	152505.78			polygon				0.8	0.456		4	Liquid	116H-4	100-H-12	Ba-s	1950	Ba-dn	1965							2007	RTD			Ba-ds	30	2037	Ba-s
H	1873	100-H-13		1	116	French Drain	577827.50	152514.66			polygon				1.2	1.167		4	Liquid	116H-4	100-H-13	Ba-s	1950	Ba-dn	1965							2007	RTD			Ba-ds	30	2037	Ba-s
H	1874	100-H-14		1	100	Unplanned Release	577790.06	152471.44			polygon	16.0	14.0			251.077		4	Liquid	100H-4	100-H-14	Ba-s	1950	G-dn	1965							2007	RTD			Ba-ds	30	2037	Ba-s
H	4182	100-H-31	Polychlorinated Biphenyl in Soil On North Side of 105-H Reactor Building	1	100	Unplanned Release	577771.94	152556.05			point					0.999		4	Soil-Debris	100H-4	100-H-31	Ba-s	1969	Ba-dn	1969							2008	RTD			Ba-ds	30	2038	Ba-s
H	4412	100-H-33	183-H Solar Evaporation Basins Radionuclide Components	1	116	Retention Basin	577879.38	152851.34				39.01	16.46	5.03		2452.640		4	Liquid	116H-4	100-H-33	Ba-s	1949	Ba-dn	1985							2008	RTD			Ba-ds	30	2038	Ba-s
H	4493	100-H-34	100H River Effluent Pipelines, 100H River Lines	1	River	Radioactive Process Sewer	########	########				152.4	3.0			463.296		4	River	River	100-H-34	River	1944	River	1969							2008	RTD			NA	NA	NA	NA
H	1865	100-H-5		1	116	Burial Ground	578178.69	152578.89			poly	100.0	15.8	4.6		1584.554		4	Soil-Debris	116H-4	100-H-5	Ba-s	1953	Ba-dn	1965							2001	RTD			Ba-ds	30	2031	Ba-s
H	1867	100-H-7		1	116	French Drain	577821.81	152540.80			polygon				0.8	0.456		4	Liquid	116H-4	100-H-7	Ba-s	1950	Ba-dn	1965							2008	RTD			Ba-ds	30	2038	Ba-s
H	1868	100-H-8		1	116	French Drain	577825.63	152554.09			polygon				0.9	0.657		4	Liquid	116H-4	100-H-8	Ba-s	1950	Ba-dn	1965							2008	RTD			Ba-ds	30	2038	Ba-s
H	1869	100-H-9		1	116	French Drain	577799.44	152560.42			polygon				0.6	0.292		4	Liquid	116H-4	100-H-9	Ba-s	1950	Ba-dn	1965							2008	RTD			Ba-ds	30	2038	Ba-s
H	73	116-H-1		1	116	Trench	578088.69	152305.02			line	246.0	20.1	4.6		4948.202		4	Liquid	116H-4	116-H-1	Ba-s	1952	Ba-dn	1965							2001	RTD			Ba-ds	30	2031	Ba-s
H	74	116-H-2		1	116	Trench	577734.44	152407.89			point	9.1	3.0	1.8		27.871		4	Liquid	116H-4	116-H-2	Ba-s	1953	Ba-dn	1965							2001	RTD			Ba-ds	30	2031	Ba-s
H	75	116-H-3		1	116	French Drain	577859.13	152493.09			point			4.572	0.9	0.657		4	Liquid	116H-4	116-H-3	Ba-s	1950	Ba-dn	1965							2001	RTD			Ba-ds	30	2031	Ba-s
H	76	116-H-4		1	116	Crib	577712.81	152482.69			point	3.0	3.0	3.0		9.290		4	Liquid	116H-4	116-H-4	Ba-s	1950	Ba-dn	1952							2008	RTD			Ba-ds	30	2038	Ba-s
H	77	116-H-5		1	River	Outfall	578113.44	152821.30			polygon	8.2	4.3			35.11734925		NA	River	River	116-H-5	River	1969	River	1969							2009	RTD			NA	NA	NA	NA
H	78	116-H-6		1	116	Retention Basin	577879.38	152851.34			poly	39.0	16.5	5.0		2452.640		4	Liquid	116H-4	116-H-6	Ba-s	1973	Ba-dn	1985							1997	RTD			Ba-ds	30	2027	Ba-s
H	79	116-H-7		1	116	Retention Basin	578086.50	152649.38			poly	194.5	86.0	7.3		16714.743		4	Liquid	116H-4	116-H-7	Ba-s	1949	Ba-dn	1965							2001	RTD			Ba-ds	30	2031	Ba-s
H	80	116-H-9		1	116	Crib	577628.50	152452.95			point	6.1	6.1	4.6		37.161		4	Liquid	116H-4	116-H-9	Ba-s	1960	Ba-dn	1965							2009	RTD			Ba-ds	30	2039	Ba-s
H	133	118-H-1		1	116	Burial Ground	577566.13	152136.95			polygon	213.4	106.7	6.096		24387.04809		4	Soil-Debris	116H-4	118-H-1	Ba-s	1949	Ba-dn	1965							2007	RTD			Ba-ds	30	2037	Ba-s
H	134	118-H-2		1	116	Burial Ground	577338.50	152527.95			polygon	42.7	15.2			650.321		4	Soil-Debris	116H-4	118-H-2	Ba-s	1955	Ba-dn	1965							2008	RTD			Ba-ds	30	2038	Ba-s
H	135	118-H-3		1	116	Burial Ground	577840.38	152238.63			polygon	103.0	80.0	6.1		8210.000		4	Soil-Debris	116H-4	118-H-3	Ba-s	1953	Ba-dn	1957							2009	RTD			Ba-ds	30	2039	Ba-s
H	136	118-H-4		1	116	Burial Ground	577676.75	152487.30			polygon	45.7	9.1	3.0		418.064		4	Soil-Debris	116H-4	118-H-4	Ba-s	1953	Ba-dn	1953							2009	RTD			Ba-ds	30	2039	Ba-s
H	137	118-H-5		1	116	Burial Ground	577751.31	152428.33			polygon	9.1	0.6	3.0		5.574		4	Soil-Debris	116H-4	118-H-5	Ba-s	1953	Ba-dn	1960							2010	RTD			Ba-ds	30	2040	Ba-s
H	138	118-H-6		1	100	Reactor	577773.06	152521.80			polygon					5759.989		4	Reactor Block/Soil-Debris	100H-4	118-H-6	Ba-s	1949	ABC	1965							2009	RTD			Ba-ds	30	2039	Ba-s
K	1683	100-K-1	119-KW French Drain, 119-KW Exhaust Air Sample Building French Drain, 100-K 45	1	116	French Drain	568684.75	146464.55			polygon				0.5	0.164		4	Liquid	116K-4	100-K-1	Eb-s	1955	Eb-dn	1971							2004	RTD			Eb-ds	30	2034	Eb-s
K	1688	100-K-14	183-KE Acid Neutralization Pit and Overflow French Drain	1	116	French Drain	569341.50	146320.75							1.52	1.815		4	Liquid	116K-4	100-K-14	Eb-s	1969	Eb-dn	1969							2004	RTD			Eb-ds	30	2034	Eb-s
K	1694	100-K-2		1	116	Burial Ground	569264.94	147015.03			polygon	53.3	18.3	4.6		975.482		4	Soil-Debris	116K-4	100-K-2	Eb-s	1955	Eb-dn	1971							2004	RTD			Eb-ds	30	2034	Eb-s
K	1712	100-K-36	1706-KE Chemical Storage Facility Dry Wel	1	116	French Drain	569192.06	146651.28						1.22	0.46	0.166		4	Liquid	116K-4	100-K-36	Eb-s	1963	Eb-dn	1963							2009	RTD			Eb-ds	30	2039	Eb-s
K	1714	100-K-38	1706-KE Caustic Soda Tank	1	100	Unplanned Release	569189.75	146651.50			polygon	4.9			2.1	3.500		4	Liquid	100K-4	100-K-38	Eb-s	1963	Eb-dn	1986							2009	RTD			Eb-ds	30	2039	Eb-s
K	1715	100-K-4		1	100	Pond	569075.44	146719.14			polygon	36.0	19.0			684.000		4	Liquid	100K-4	100-K-4	Eb-s	1956	Eb-dn	1965							2009	RTD			Eb-ds	30	2039	Eb-s
K	1959	100-K-42		1	100	Storage	569141.31	146726.36			point	41.5	21.3	6.7		884.437		4	Soil-Debris	100K-4	100-K-42	Eb-s	1955	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	3734	100-K-43		1	100	Storage	568631.75	146461.77			polygon	41.5	21.3	6.7		884.437		4	Soil-Debris	100K-4	100-K-43	Eb-s	1955	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	3791	100-K-46		1	116	French Drain	569227.13	146745.58			point					0.999		4	Liquid	116K-4	100-K-46	Eb-s	1959	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	1716	100-K-5		1	116	French Drain	569216.88	146621.67			polygon					2.988		4	Liquid	116K-4	100-K-5	Eb-s	1955	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	4180	100-K-55		1	100	Radioactive Process	########	########			line	3906.9		5.2		99.900		4	Liquid	100K-4	100-K-55	Eb-s	1955	Eb-dn	1970							2003	RTD			Eb-ds	30	2033	Eb-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infilration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
K	4181	100-K-56		1	100	Radioactive Process	########	########			line	1902.9		4.6		99.900		4	Liquid	100K-4	100-K-56	Eb-s	1955	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	4186	100-K-57		1	100	Ditch	########	########			line	570.0	1.5	1.2		868.680		4	Liquid	100K-4	100-K-57	Eb-s	1967	Eb-dn	1971							2003	RTD			Eb-ds	30	2033	Eb-s
K	1717	100-K-6	Vacuum Pit, Cyclone Separator, 105-KE Vacuum Pit	1	100	Process Unit/Plant	569234.56	146730.44							3.1	7.306		4	Cement	100K-4	100-K-6	Eb-s	1969	Eb-dn	1969							2009	RTD			Eb-ds	30	2039	Eb-s
K	4203	100-K-61	117-KW Filter Building	1	100	Process Unit/Plant	568697.19	146487.72						9.8		99.900		4	Cement	100K-4	100-K-61	Eb-s	1960	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	4204	100-K-62	17-KE Filter Building	1	100	Process Unit/Plant	569239.06	146767.63						9.8		99.900		4	Cement	100K-4	100-K-62	Eb-s	1960	Eb-dn	1971							2009	RTD			Eb-ds	30	2039	Eb-s
K	4431	100-K-78	Fenced Contamination Area	1	100	Unplanned Release	569254.06	147388.81				19.4	16.4			318.160		4	Soil-Debris	100K-4	100-K-78	Eb-s	1969	Eb-dn	1969							2003	RTD			Eb-ds	30	2033	Eb-s
K	4494	100-K-80	100K River Effluent Pipelines, 100K River Lines	1	River	Radioactive Process Sewer	########	########								99.900		4	River	River	100-K-80	River	1969	River	1969							2003	RTD			NA	NA	NA	NA
K	81	116-K-1		1	116	Crib	569261.06	147222.53			polygon	121.9	121.9	6.1		14864.486		4	Liquid	116K-4	116-K-1	Eb-s	1955	Eb-dn	1956							2004	RTD			Eb-ds	30	2034	Eb-s
K	82	116-K-2		1	116	Trench	569797.50	147715.88	8	(569351.648,147244.796), (569750.756,147732.450), (570149.832,148265.777), (570247.303,148206.928), (569993.512,147837.276), (569634.895,147384.867), (569437.889,147180.810), (569351.648,147244.796)	polygon	1249.7	17.2	5.3		21520.989		4	Liquid	116K-4	116-K-2	Eb-s	1955	Eb-dn	1971							2004	RTD			Eb-ds	30	2034	Eb-s
K	83	116-K-3		1	River	Outfall	568911.56	146964.88			polygon	10.7	10.1	7.0104		107.3030112		NA	River	River	116-K-3	River	1969	River	1969							2004	RTD			NA	NA	NA	NA
K	84	116-KE-1		1	116	Crib	569249.88	146744.31			point			7.8	12.2	116.746		4	Liquid	116K-4	116-KE-1	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	85	116-KE-2		1	116	Crib	569082.06	146636.06			polygon	4.9	4.9			24.248		4	Liquid	116K-4	116-KE-2	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	86	116-KE-3		1	166	Injection/Reverse Wel	569133.69	146750.81			point				6.1	24.248		4	Liquid	166K-4	116-KE-3	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	87	116-KE-4		1	116	Retention Basin	569096.75	146960.16			polygon			3.9	76.2	27870.912		4	Liquid	116K-4	116-KE-4	Eb-s	1955	Eb-dn	1971							2004	RTD			Eb-ds	30	2034	Eb-s
K	88	116-KE-5	150-KE Heat Recovery Station	1	100	Process Unit/Plant	569165.19	146871.94								99.900		4	Soil-Debris	100K-4	116-KE-5	Eb-s	1955	ABC	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	92	116-KE-6D	1706-KE Ion Exchange Column, 1706-KE Waste Treatment System	1	100	Process Unit/Plant	569132.38	146663.73								99.900		4	Cement	100K-4	116-KE-6D	Eb-s	1984	ABC	1984							2010	RTD			Eb-ds	30	2040	Eb-s
K	93	116-KW-1		1	116	Crib	568718.06	146478.16			point			7.8	12.2	116.745		4	Liquid	116K-4	116-KW-1	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	94	116-KW-2		1	166	Injection/Reverse Wel	568591.56	146470.45			point				6.1	5.388		4	Liquid	166K-4	116-KW-2	Eb-s	1955	Eb-dn	1970							2010	RTD			Eb-ds	30	2040	Eb-s
K	95	116-KW-3		1	116	Retention Basin	568593.13	146668.14			polygon			3.9	76.2	13759.312		4	Liquid	116K-4	116-KW-3	Eb-s	1954	Eb-dn	1970							2004	RTD			Eb-ds	30	2034	Eb-s
K	96	116-KW-4	150-KW Heat Recovery Station	1	100	Process Unit/Plant	568649.06	146576.28								99.900		4	Cement	100K-4	116-KW-4	Eb-s	1955	ABC	1970							2010	RTD			Eb-ds	30	2040	Eb-s
K	139	118-K-1		1	116	Burial Ground	569452.31	146895.86			polygon	365.8	182.9	6.1		66890.189		4	Soil-Debris	116K-4	118-K-1	Eb-s	1953	Eb-dn	1975							2010	RTD			Eb-ds	30	2040	Eb-s
K	140	118-KE-1		1	100	Reactor	569184.31	146717.02			polygon					5343.500		4	Reactor Block/Soil-Debris	100K-4	118-KE-1	Eb-s	1955	ABC	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	141	118-KE-2		1	100	Storage	569267.75	146808.50			polygon	12.2	7.6			92.903		4	Soil-Debris	100K-4	118-KE-2	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	142	118-KW-1		1	100	Reactor	568644.25	146433.25			polygon					4567.700		4	Reactor Block/Soil-Debris	100K-4	118-KW-1	Eb-s	1955	ABC	1970							2010	RTD			Eb-ds	30	2040	Eb-s
K	143	118-KW-2		1	100	Storage	568726.44	146529.14			polygon	12.2	7.6			92.903		4	Soil-Debris	100K-4	118-KW-2	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	150	120-KE-2	183-KE Filter Waste Facility French Drain, 100-KE-2, 183 KE Filter Water Facility	1	116	French Drain	569419.31	146363.73						0.9	0.9	0.650		4	Liquid	116K-4	120-KE-2	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	151	120-KE-3		1	116	Trench	569407.94	146376.88			polygon	12.2	0.9			11.148		4	Liquid	116K-4	120-KE-3	Eb-s	1955	Eb-dn	1971							2010	RTD			Eb-ds	30	2040	Eb-s
K	158	120-KW-2	183-KW Filter Water Facility French Drain, 100-KW-2	1	116	French Drain	568877.88	146083.83						0.9	0.9	0.650		4	Liquid	116K-4	120-KW-2	Eb-s	1955	Eb-dn	1970							2011	RTD			Eb-ds	30	2041	Eb-s
K	1248	UPR-100-K-1		1	100	Unplanned Release	569152.19	146725.72			point					0.999		4	Liquid	100K-4	UPR-100-K-1	Eb-s	1955	ABC	2000							2011	RTD			Eb-ds	30	2041	Eb-s
N	1721	100-N-1		1	100	Pond	570914.38	149306.38			polygon	30.5	12.2			371.612		4	Liquid	100N-4	100-N-1	Eb-s	1965	Eb-dn	1993							2003	RTD			Eb-ds	30	2033	Eb-s
N	1941	100-N-29		1	100	Unplanned Release	571082.25	149472.34			point					0.999		4	Liquid	100N-4	100-N-29	Eb-s	1971	G-dn	1971							2003	RTD			Eb-ds	30	2033	Eb-s
N	3774	100-N-54		1	116	French Drain	571315.56	149303.56			point				1.7	2.141		4	Liquid	116N-4	100-N-54	Eb-s	1964	Eb-dn	1987							2009	RTD			Eb-ds	30	2039	Eb-s
N	3775	100-N-55	153-N Building Drywell, Miscellaneous Stream #728	1	116	French Drain	571293.56	149367.50							1.2	1.169		4	Liquid	116N-4	100-N-55	Eb-s	1997	Eb-dn	1997							2009	RTD			Eb-ds	30	2039	Eb-s
N	3636	100-N-59	Radioactively contaminated soil off the northeast corner of 105-NB Building.	1	100	Unplanned Release	571322.13	149546.72				0.76	1.37			1.041		4	Liquid	100N-4	100-N-59	Eb-s	1995	Eb-dn	1995							2009	RTD			Eb-ds	30	2039	Eb-s
N	3881	100-N-60		1	116	French Drain	########	########								0.999		4	Liquid	116N-4	100-N-60	Eb-s	1964	Eb-dn	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	3938	100-N-62		1	100	Radioactive Process	########	########								99.900		4	Liquid	100N-4	100-N-62	Eb-s	1963	Eb-dn	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	3932	100-N-63		1	100	Radioactive Process	########	########								99.900		4	Liquid	100N-4	100-N-63	Eb-s	1963	Eb-dn	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	3936	100-N-64		1	100	Radioactive Process	########	########								99.900		4	Liquid	100N-4	100-N-64	Eb-s	1963	Eb-dn	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	3941	100-N-66		1	100	Reactor	571201.44	149489.48			polygon	137.8	141.7	21.3		19526.361		4	Reactor Block/Soil-Debris	100N-4	100-N-66	Eb-s	1963	ABC	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	97	116-N-1		1	116	Crib	571534.19	149782.05	9	(571737.021,150105.953), (571315.717,149782.670), (571425.048,149735.544), (571408.083,149706.327), (571498.565,149662.028), (571552.288,149745.912), (571716.286,149705.384), (571822.790, 150070.137), (571737.021, 150105.953)	polygon	38.1	88.4	3.7		13759.312		4	Liquid	116N-4	116-N-1	Eb-s	1963	Eb-dn	1985							2012	RTD			Eb-ds	30	2042	Eb-s
N	99	116-N-3		1	116	Crib	571954.88	149610.30	5	(571833.948,149629.040), (571955.532,149681.350), (572012.083,149565.420), (571877.775,149500.387), (571833.948,149629.040)	polygon	76.2	73.2			5574.182		4	Liquid	116N-4	116-N-3	Eb-s	1983	Eb-dn	1991							2002	RTD			Eb-ds	30	2032	Eb-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
N	100	116-N-4		1	116	Retention Basin	571105.50	149501.52			polygon	39.6	24.4			809.371		4	Liquid	116N-4	116-N-4	Eb-s	1963	Eb-dn	1973							2010	RTD			Eb-ds	30	2040	Eb-s
N	164	120-N-1		1	100	Pond	571326.56	149166.67			polygon					2694.188		4	Liquid	100N-4	120-N-1	Eb-s	1977	Eb-dn	1991							2001	RTD			Eb-ds	30	2031	Eb-s
N	165	120-N-2	1324-N Surface Impoundment	1	116	Surface Impoundment	571292.75	149210.33				42.67	21.34	4.57		910.578		4	Liquid	116N-4	120-N-2	Eb-s	1986	ABC	1988							2001	RTD			Eb-ds	30	2031	Eb-s
N	166	120-N-3	163-N Neutralization Pit and French Drain	1	116	French Drain	571136.13	149352.11				10.2	2.8	2.4		28.560		4	Liquid	116N-4	120-N-3	Eb-s	1963	Eb-dn	1988							2010	RTD			Eb-ds	30	2040	Eb-s
N	170	120-N-7	108-N Acid Unloading Facility French Drain	1	116	French Drain	571276.38	149242.17						1.2	0.9	0.650		4	Liquid	116N-4	120-N-7	Eb-s	1963	Eb-dn	1987							2010	RTD			Eb-ds	30	2040	Eb-s
N	221	130-N-1		1	100	Pond	571551.81	148677.50			polygon					20000.000		4	Liquid	100N-4	130-N-1	Eb-s	1983	Eb-dn	1983							2011	RTD			Eb-ds	30	2041	Eb-s
N	1725	1908-NE		1	River	Outfall	570870.75	149317.84			polygon	30.5	24.4			743.224		NA	River	River	1908-NE	River	1969	River	1969							2011	RTD			NA	NA	NA	NA
N	1249	UPR-100-N-1		1	100	Unplanned Release	571079.31	149536.08			point					1858.061		4	Liquid	100N-4	UPR-100-N-1	Eb-s	1974	Eb-dn	1974							2011	RTD			Eb-ds	30	2041	Eb-s
N	1250	UPR-100-N-10		1	100	Unplanned Release	571142.88	149537.78			point	3.0	3.0			9.290		4	Liquid	100N-4	UPR-100-N-10	Eb-s	1975	Eb-dn	1975							2011	RTD			Eb-ds	30	2041	Eb-s
N	1252	UPR-100-N-12		1	100	Unplanned Release	571142.88	149537.78			point	0.6	0.9	18.3		0.557		4	Liquid	100N-4	UPR-100-N-12	Eb-s	1979	Eb-dn	1979							2011	RTD			Eb-ds	30	2041	Eb-s
N	1265	UPR-100-N-25		1	100	Unplanned Release	571411.69	149614.75			point					0.999		4	Liquid	100N-4	UPR-100-N-25	Eb-s	1971	Eb-dn	1971							2011	RTD			Eb-ds	30	2041	Eb-s
N	1269	UPR-100-N-30		1	100	Unplanned Release	571068.31	149543.88			polygon	15.2	15.2			232.258		4	Liquid	100N-4	UPR-100-N-30	Eb-s	1971	Eb-dn	1971							2011	RTD			Eb-ds	30	2041	Eb-s
N	1270	UPR-100-N-31		1	100	Unplanned Release	571410.94	149699.39			point					0.999		4	Liquid	100N-4	UPR-100-N-31	Eb-s	1971	Eb-dn	1971							2012	RTD			Eb-ds	30	2042	Eb-s
N	1274	UPR-100-N-35		1	100	Unplanned Release	571182.19	149521.22			point					0.999		4	Liquid	100N-4	UPR-100-N-35	Eb-s	1986	Eb-dn	1986							2012	RTD			Eb-ds	30	2042	Eb-s
N	1276	UPR-100-N-5		1	100	Unplanned Release	571397.13	149628.16			point			18.3		0.999		4	Liquid	100N-4	UPR-100-N-5	Eb-s	1972	Eb-dn	1972							2012	RTD			Eb-ds	30	2042	Eb-s
N	1278	UPR-100-N-7		1	100	Unplanned Release	########	########			line					0.999		4	Liquid	100N-4	UPR-100-N-7	Eb-s	1985	Eb-dn	1985							2012	RTD			Eb-ds	30	2042	Eb-s
N	1279	UPR-100-N-8		1	100	Unplanned Release	571398.63	149671.23			point					2.323		4	Liquid	100N-4	UPR-100-N-8	Eb-s	1975	Eb-dn	1975							2012	RTD			Eb-ds	30	2042	Eb-s
G	348	216-A-25		1	200	Pond	574970.88	139650.36	8	(576090.770,139387.189), (575744.373,139040.792), (574283.012,139787.710), (574185.588,140350.604), (574748.483,140458.853), (574889.206,140047.507), (575127.354,139820.184), (576090.770,139387.189)	polygon	1423.7	243.8	1.5		347160.080		4	Liquid	200G-4	216-A-25	El-s	1957	El-dn	1987							2017	RTD			El-ds	30	2047	El-s
G	470	216-N-8		1	200	Pond	573191.88	141319.23			polygon	85.0	85.0			7231.666		4	Liquid	200G-4	216-N-8	El-s	1944	El-dn	1952							NA	No Action			El-ds	30	2010	El-s
G	328	600-108	213-J&K Vaults	1	200	Storage	579282.19	140170.25			polygon	12.2	3.7	2.4		44.615		4	Soil-Debris	200G-4	600-108	El-s	1944	ABC	2020							2004	RTD			El-ds	30	2034	El-s
I	324	212-N		1	200	Storage	569874.00	140328.19			polygon					555.000		4	Soil-Debris	200I-4	212-N	El-s	1945	ABC	1945							2010	D&D			El-ds	30	2040	El-s
I	325	212-P		1	200	Storage	570678.50	140330.02			polygon					555.000		4	Soil-Debris	200I-4	212-P	El-s	1945	ABC	1945							2010	D&D			El-ds	30	2040	El-s
I	326	212-R		1	200	Storage	571483.38	140331.81			polygon					555.000		4	Soil-Debris	200I-4	212-R	El-s	1945	ABC	1952							2010	D&D			El-ds	30	2040	El-s
I	463	216-N-1		1	200	Pond	569885.63	140044.59			point	152.4	30.5	1.8		4645.152		4	Liquid	200I-4	216-N-1	El-s	1944	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
I	464	216-N-2		1	200	Trench	569829.13	140379.89			point	15.2	3.0	2.1		46.452		4	Liquid	200I-4	216-N-2	El-s	1947	El-dn	1947							2010	RTD			El-ds	30	2040	El-s
I	465	216-N-3		1	200	Trench	569818.31	140371.34			polygon	15.2	6.1	1.8		92.903		4	Liquid	200I-4	216-N-3	El-s	1952	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
I	466	216-N-4		1	200	Pond	570754.44	139933.16			polygon	152.4	61.0	0.9		9290.304		4	Liquid	200I-4	216-N-4	El-s	1944	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
I	467	216-N-5		1	200	Trench	570635.19	140373.53			polygon	24.4	4.6	1.8		111.484		4	Liquid	200I-4	216-N-5	El-s	1952	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
I	468	216-N-6		1	200	Pond	571642.56	139894.81			polygon	152.4	45.7			6967.728		4	Liquid	200I-4	216-N-6	El-s	1944	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
I	469	216-N-7		1	200	Trench	571433.69	140383.53			polygon	24.4	4.6	1.8		111.484		4	Liquid	200I-4	216-N-7	El-s	1952	El-dn	1952							2010	RTD			El-ds	30	2040	El-s
A	4388	200-E-102		1	216	Trench	########	########				20.0	2.0			40.000		4	Liquid	216A-4	200-E-102	Rpe-s	1958	Rp-dn	1958							2020	RTD			Rpe-ds	30	2050	Rpe-s
A	4390	200-E-103	Radiologically controlled area - south side of PUREX	1	200	Unplanned Release	575195.94	135518.42			polygon					17326.417	Soil	4	Soil-Debris/Liquid	200A-4	200-E-103	Rpe-s	1969	G-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4409	200-E-106	ILAW	1	216	Receiving Vault	########	########								100000.000		4	Glass	216A-4	200-E-106	Rpe-s	2010	Rp-dn	2035							2035	IBAR	RCRA C	Hanford-I18	Hanford-I18	500	2535	Rpe-s
A	4435	200-E-107	Contamination Area East of PUREX, PUREX E Field	1	200	Unplanned Release	575311.06	135601.03			polygon	114.6	34.8			3982.350		4	Soil-Debris/Liquid	200A-4	200-E-107	Rpe-s	1969	Rp-dn	1969							2024	ABAR2ECTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	4454	200-E-115	Contamination Area East of 241-C Tank Farm	1	200	Unplanned Release	575262.51	136631.02				9.14	9.14			83.540		4	Soil-Debris	200A-4	200-E-115	Rpe-s	1969	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	4480	200-E-124	URM on East Side of 275-	1	200	Unplanned Release	575178.35	135870.38				64	4.6			294.400		4	Soil-Debris	200A-4	200-E-124	Rpe-s	1969	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	4481	200-E-125	Contamination Area Northwest of 244-AR	1	200	Unplanned Release	575211.66	136108.92				6.84	4.43			30.301		4	Soil-Debris	200A-4	200-E-125	Rpe-s	1969	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	4514	200-E-136	202-A TSD, PUREX	1	200	Process Unit/Plant	575113.52	135641.83			polygon	306.0	30.0	12.0		9180.000		4	Cement/Liquid	200A-4	200-E-136	Ba-s	1956	ABC	1990							2024	D&D			Ba-ds	30	2054	Ba-s
A	1726	200-E-4		1	216	French Drain	574450.19	136348.50			point				1.2	1.167		4	Liquid	216A-4	200-E-4	Rpe-s	1958	Rp-dn	1959							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	3973	200-E-41	Stabilized Hot Semi-works Area, UN-216-E-38, Strontium Semi-Works Stabilized Area	1	200	Unplanned Release	574622.25	136331.13			polygon	150.0	150.0			22500.000		4	Soil-Debris/Liquid	200A-4	200-E-41	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4011	200-E-42	200-E-42, UN-216-E-34, PUREX Stack Release, 291-A Release	1	200	Unplanned Release	575401.94	135508.25			polygon	94.0	95.0	0.0		26000.000		4	Atmosphere/Soil-Debris	200A-4	200-E-42	Ba-s	1985	Ba-dg	1994							NA	No Action			Ba-ds	30	2010	Ba-s
A	4166	200-E-44	PUREX Railroad Cut	1	200	Unplanned Release	575254.12	135762.75			polygon					9.990		4	Soil-Debris	200A-4	200-E-44	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4264	200-E-54	Liquid Release to the Environment from PUREX Deep Filter Bed#1	1	200	Unplanned Release	575137.25	135585.36			point					9.990		4	Liquid	200A-4	200-E-54	Rpe-s	1991	Rp-dn	1991							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4272	200-E-56	241-C Waste Line Leak adjacent to 201-C, Waste Line Leak #1	1	200	Unplanned Release	574609.38	136349.23			point					9.990		4	Liquid	200A-4	200-E-56	Rpe-s	1949	Rp-dn	1957							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	4273	200-E-57	200-E-57, 241-C Waste Line Leak east of 201-C, Waste Line Leak #2	1	200	Unplanned Release	574657.31	136337.25			point					0.999		4	Liquid	200A-4	200-E-57	Rpe-s	1957	Rp-dn	1957							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	4292	200-E-61	200-E-61, 202A Building Stormwater Runoff, Miscellaneous Stream #467	1	216	Injection/Reverse Well	575022.18	135683.83			point				0.6	0.292	Stormwater Runoff	4	Liquid	216A-4	200-E-61	Rpe-s	1955	Rp-dn	2001							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4294	200-E-62	200-E-62, 202A Building Steam Condensate, Miscellaneous Stream #71, Injection Well (Z)	1	216	Injection/Reverse Well	575099.00	135796.00			point					0.999	Steam Condensate	4	Liquid	216A-4	200-E-62	Rpe-s	1955	Rp-dn	1996							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4295	200-E-63	200-E-63, Line #8801 Steam Condensate, Miscellaneous Stream #72, Injection Well (AA)	1	216	Injection/Reverse Well	575075.00	135714.00			point				1.2	1.169	Steam Condensate	4	Liquid	216A-4	200-E-63	Rpe-s	1955	Rp-dn	1996							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4296	200-E-64	200-E-64, Line #8801 Steam Condensate, Miscellaneous Stream #69, Injection Well (W)	1	216	Injection/Reverse Well	575135.00	135663.00			point				0.9	0.657	Steam Condensate	4	Liquid	216A-4	200-E-64	Rpe-s	1955	Rp-dn	1996							NA	No Action			Rpe-ds	30	2010	Rpe-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
A	4297	200-E-65	200-E-65, 202A Building Steam Condensate, Miscellaneous Stream #466 Injection Well (R)	1	216	Injection/Reverse Well	575275.00	135620.00			point				1.2	1.131	Steam Condensate	4	Liquid	216A-4	200-E-65	Ba-s	1955	Ba-dn	1996							NA	No Action			Ba-ds	30	2010	Ba-s
A	4299	200-E-67	202A Building Stem Condensate, Miscellaneous Stream #494	1	216	Injection/Reverse Well	575141.88	135614.28			point					9.990	Steam Condensate	4	Liquid	216A-4	200-E-67	Ba-s	1996	Ba-dn	1996							NA	No Action			Ba-ds	30	2010	Ba-s
A	4300	200-E-68	200-E-68, 291A Control House Steam Condensate, Miscellaneous Stream #59, Injection Well (L)	1	216	Injection/Reverse Well	575205.00	135555.00			point				1.2	1.131	Steam Condensate	4	Liquid	216A-4	200-E-68	Ba-s	1955	Ba-dn	1996							NA	No Action			Ba-ds	30	2010	Ba-s
A	4301	200-E-69	200-E-69, Line #8801 Steam Condensate, Miscellaneous Stream #56, Injection Well (A)	1	216	Injection/Reverse Well	574933.00	135719.00			point				1.3	1.327	Steam Condensate	4	Liquid	216A-4	200-E-69	Rpe-s	1955	Rp-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4302	200-E-70	200-E-70, Line #8801 Steam Condensate, Miscellaneous Stream #64, Injection Well (Q)	1	216	Injection/Reverse Well	575272.00	135601.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-70	Ba-s	1955	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
A	4303	200-E-71	200-E-71, Line #8801 Steam Condensate, Miscellaneous Stream #63, Injection Well (O)	1	216	Injection/Reverse Well	575252.00	135602.00			point			0.9	0.6	0.292	Steam Condensate	4	Liquid	216A-4	200-E-71	Ba-s	1955	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
A	4304	200-E-72	200-E-72, Line #8801 Steam Condensate, Miscellaneous Stream #60, Injection Well (G)	1	216	Injection/Reverse Well	575104.00	135513.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-72	Ba-s	1955	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
A	4305	200-E-73	200-E-73, Line #8801 Steam Condensate, Miscellaneous Stream #61, Injection Well (M)	1	216	Injection/Reverse Well	575185.00	135607.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-73	Ba-s	1955	Ba-dn	1996							NA	No Action			Ba-ds	30	2010	Ba-s
A	4306	200-E-74	200-E-74, Line #8801 Steam Condensate, Miscellaneous Stream #62, Injection Well (N)	1	216	Injection/Reverse Well	575244.00	135552.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-74	Ba-s	1955	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
A	4307	200-E-75	200-E-75, Line #8801 Steam Condensate, Miscellaneous Stream #57, Injection Well (B)	1	216	Injection/Reverse Well	574936.00	135614.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-75	Ba-s	1955	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
A	4308	200-E-76	200-E-76, Line #8801 Steam Condensate, Miscellaneous Stream #67, Injection Well (U)	1	216	Injection/Reverse Well	575284.00	135903.00			point				1.5	1.767	Steam Condensate	4	Liquid	216A-4	200-E-76	Rpe-s	1955	Rp-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4309	200-E-77	200-E-77, Line #8801 Steam Condensate, Miscellaneous Stream #65, Injection Well (S)	1	216	Injection/Reverse Well	575274.00	135645.00			point				1.2	1.131	Steam Condensate	4	Liquid	216A-4	200-E-77	Rpe-s	1955	Rp-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4310	200-E-78	200-E-78, Line #8801 Steam Condensate, Miscellaneous Stream #70, Injection Well (Y)	1	200	Injection/Reverse Well	575110.00	135736.00			point					0.999	Steam Condensate	4	Liquid	200A-4	200-E-78	Rpe-s	1955	Rp-dn	1996							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4311	200-E-79	200-E-79, Line #8801 Steam Condensate, Miscellaneous Stream #66, Injection Well (T)	1	216	Injection/Reverse Well	575284.00	135658.00			point				0.9	0.636	Steam Condensate	4	Liquid	216A-4	200-E-79	Rpe-s	1955	Rp-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4312	200-E-80	200-E-80, Line #8801 Steam Condensate, Miscellaneous Stream #68, Injection Well (V)	1	216	Injection/Reverse Well	575222.00	135656.00			point					0.999	Steam Condensate	4	Liquid	216A-4	200-E-80	Rpe-s	1955	Rp-dn	1996							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4313	200-E-81	200-E-81, MO-035 Facility Water Valve, Miscellaneous Stream #533	1	216	Injection/Reverse Well	575007.00	135717.00			point					0.999	Steam Condensate	4	Liquid	216A-4	200-E-81	Rpe-s	1955	Rp-dn	1996	1997	Surface Stabilization	G-dn				NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4314	200-E-82	200-E-82, Steam Trap 2P, Yard-MSS-TRP-040, Miscellaneous Stream #115	1	216	Injection/Reverse Well	575052.75	135814.66			point			1.52	1.37	1.478	Steam Condensate	4	Liquid	216A-4	200-E-82	Rpe-s	1997	Rp-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
A	4323	200-E-84	200-E-84, 202A Building Steam Condensate, Miscellaneous Stream #58, Injection Well (C)	1	216	Injection/Reverse Well	574959.00	135624.00			point				0.90	0.636	Steam Condensate	4	Liquid	216A-4	200-E-84	Ba-s	1955	Ba-dn	1996							NA	No Action			Ba-ds	30	2010	Ba-s
A	4324	200-E-85	202A Building Pump Seal Water, Miscellaneous Stream #459	1	216	Injection/Reverse Well	########	########			point					0.999	Water	4	Liquid	216A-4	200-E-85	Ba-s	1969	Ba-dn	1969							NA	No Action			Ba-ds	30	2010	Ba-s
A	297	201-C	201-C Process Building	1	200	Process Unit/Plant	574591.78	136348.45			polygon	42.67	24.38			1040.514	Chemicals/Equipmen	4	Cement/Liquid	200A-4	201-C	Rpe-s	1949	ABC	1967							2020	D&D			Rpe-ds	30	2050	Rpe-s
A	308	202-A-WS-1	202-A-WS-1, PUREX Waste Piles	1	200	Storage	575159.13	135629.47			point					9.990	Equipment	4	Soil-Debris	200A-4	202-A-WS-1	Rpe-s	1956	ABC	1956							2024	D&D			Rpe-ds	30	2054	Rpe-s
A	1642	207-A-NORTH		1	200	Retention Basin	575568.25	136023.98			polygon	16.8	3.0	2.1		51.097		4	Liquid	200A-4	207-A-NORTH	Rpe-s	1977	Rp-dn	1989							2014	RTD			Rpe-ds	30	2044	Rpe-s
A	1643	207-A-SOUTH		1	200	Retention Basin	575568.38	135975.22			polygon	16.8	3.0	2.1		51.097		4	Liquid	200A-4	207-A-SOUTH	Rpe-s	1977	Rp-dn	1989							2008	RTD			Rpe-ds	30	2038	Rpe-s
A	321	209-E-WS-2		1	216	French Drain	574467.06	136308.94			polygon				1.2	1.167		4	Liquid	216A-4	209-E-WS-2	Rpe-s	1960	Rp-dn	1989							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	322	2101-M-POND		1	200	Pond	573374.56	135269.52			point	147.8	3.0			450.580		4	Liquid	200A-4	2101-M-POND	Rpe-s	1953	Rp-dn	1995							2020	RTD			Rpe-ds	30	2050	Rpe-s
A	330	216-A-1		1	216	Crib	575521.69	136081.78			polygon	9.1	9.1	4.6		83.613		4	Liquid	216A-4	216-A-1	Rpe-s	1955	Rp-dn	1955							2014	ABAR2E08	RCRA C	RCRA C-I13	RCRA C-I13	500	2514	Rpe-s
A	331	216-A-10		1	216	Crib	574978.25	135439.94	5	(574956.625,135499.088), (574992.676,135499.088), (574992.676,135343.254), (574956.625,135343.254), (574956.625,135499.088)	polygon	83.8	13.7			1149.675		4	Liquid	216A-4	216-A-10	Rpe-s	1956	Rp-dn	1987							2014	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2514	Rpe-s
A	332	216-A-11		1	216	French Drain	575248.63	135608.69			point			9.1	0.8	0.456		4	Liquid	216A-4	216-A-11	Rpe-s	1956	Rp-dn	1972							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	333	216-A-12		1	216	French Drain	575110.56	135608.30			point			5.5	0.8	0.456		4	Liquid	216A-4	216-A-12	Rpe-s	1955	Rp-dn	1972							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	334	216-A-13		1	216	French Drain	574954.50	135616.63			point				0.9	0.657		4	Liquid	216A-4	216-A-13	Rpe-s	1956	Rp-dn	1962							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	335	216-A-14		1	216	French Drain	575095.94	135596.69			point			8.8	0.8	0.456		4	Liquid	216A-4	216-A-14	Rpe-s	1956	Rp-dn	1972							2016	RTD			Rpe-ds	30	2046	Rpe-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m²)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
A	336	216-A-15		1	216	French Drain	575064.13	135527.72			point			13.4	1.0	0.795	Drainage from the 216-A-10 Process Condensate Sampler Pit #4. The waste is acidic.	4	Liquid	216A-4	216-A-15	Rpe-s	1955	Rp-dn	1972							2017	RTD			Rpe-ds	30	2047	Rpe-s
A	337	216-A-16		1	216	French Drair	575432.38	136039.22			point			5.1816	1.1	0.894	Low in salt, neutral to basi	4	Liquid	216A-4	216-A-16	Rpe-s	1956	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	338	216-A-17		1	216	French Drair	575429.38	136036.16			point	1.8			1.1	0.894	Low in salt, neutral to basi	4	Liquid	216A-4	216-A-17	Rpe-s	1956	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	339	216-A-18		1	216	Trench	575580.19	136235.69			polygon	24.4	24.4			594.579		4	Liquid	216A-4	216-A-18	Rpe-s	1955	Rp-dn	1956							2014	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2514	Rpe-s
A	340	216-A-19		1	216	Trench	575665.31	136277.81			polygon	7.6	7.6	4.6		58.064		4	Liquid	216A-4	216-A-19	Rpe-s	1955	Rp-dn	1956							2014	ABAR2E09	RCRA C	RCRA C-I14	RCRA C-I14	500	2514	Rpe-s
A	341	216-A-2		1	216	Crib	575180.13	135528.66			polygon	6.1	6.1	8.2		37.161		4	Liquid	216A-4	216-A-2	Rpe-s	1956	Rp-dn	1963							2013	ABAR2E16A	RCRA C	RCRA C-I11	RCRA C-I11	500	2513	Rpe-s
A	342	216-A-20		1	216	Trench	575707.00	136248.50			polygon	7.6	7.6	4.6		58.064		4	Liquid	216A-4	216-A-20	Rpe-s	1955	Rp-dn	1955							2014	ABAR2E09	RCRA C	RCRA C-I14	RCRA C-I14	500	2514	Rpe-s
A	343	216-A-21		1	216	Crib	575214.56	135462.39			polygon	18.3	4.9			89.187		4	Liquid	216A-4	216-A-21	Rpe-s	1957	Rp-dn	1965							2016	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	Rpe-s
A	344	216-A-22		1	216	Crib	575093.06	135778.17			point			3.0	4.9	18.674		4	Liquid	216A-4	216-A-22	Rpe-s	1956	Rp-dn	1969							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	345	216-A-23A		1	216	French Drair	575426.63	136025.23			point			1.8288	1.1	0.893727244	Low in salt, neutral to basi	4	Liquid	216A-4	216-A-23A	Rpe-s	1957	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	346	216-A-23B		1	216	French Drair	575423.56	136025.22			point			1.8288	1.1	0.893727244	Low in salt, neutral to basi	4	Liquid	216A-4	216-A-23B	Rpe-s	1957	Rp-dn	1969							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	347	216-A-24		1	216	Crib	575832.88	136395.78			polygon	426.7	6.1			2601.285		4	Liquid	216A-4	216-A-24	Rpe-s	1958	Rp-dn	1966							2013	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2513	Rpe-s
A	349	216-A-26		1	216	French Drair	575200.69	135533.89			point			4.6	0.9	1.167		4	Liquid	216A-4	216-A-26	Rpe-s	1965	Rp-dn	1991							2016	ABAR2E16A	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	Rpe-s
A	350	216-A-26A		1	216	French Drair	575200.69	135538.45			point			4.6	1.2	1.167		4	Liquid	216A-4	216-A-26A	Rpe-s	1959	Rp-dn	1965							2016	ABAR2E16A	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	Rpe-s
A	351	216-A-27		1	216	Crib	575197.38	135400.69			polygon	61.0	3.0			185.806		4	Liquid	216A-4	216-A-27	Rpe-s	1965	Rp-dn	1970							2016	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	Rpe-s
A	352	216-A-28		1	216	Crib	575082.63	135778.98			point			3.4	6.1	29.190		4	Liquid	216A-4	216-A-28	Rpe-s	1958	Rp-dn	1967							2014	RTD			Rpe-ds	30	2044	Rpe-s
A	353	216-A-29		1	216	Ditch	575657.69	135885.03			polygon	1219.2	1.8			26304.567		4	Liquid	216A-4	216-A-29	Rpe-s	1955	Rp-dn	1991							2015	RTD			Rpe-ds	30	2045	Rpe-s
A	354	216-A-3		1	216	Crib	575099.50	135819.53			polygon	6.1	6.1	4.9		37.161		4	Liquid	216A-4	216-A-3	Rpe-s	1956	Rp-dn	1981							2015	RTD			Rpe-ds	30	2045	Rpe-s
A	355	216-A-30		1	216	Crib	575980.88	135507.75	5	(575756.467, 135597.169), (576270.785, 135293.759), (576315.186, 135373.928), (575798.401,135661.305), (575756.467,135597.169)	polygon	426.7	3.0			1300.643		4	Liquid	216A-4	216-A-30	Rpe-s	1961	Rp-dn	1992							2015	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2515	Rpe-s
A	356	216-A-31		1	216	Crib	575166.38	135483.80			polygon	21.3	3.0			65.032		4	Liquid	216A-4	216-A-31	Rpe-s	1964	Rp-dn	1966							2013	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2513	Rpe-s
A	357	216-A-32		1	216	Crib	575325.56	135730.81			polygon	21.3	2.4	3.7		52.026		4	Liquid	216A-4	216-A-32	Rpe-s	1959	Rp-dn	1972							2016	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	500	2516	Rpe-s
A	358	216-A-33		1	216	French Drair	575169.50	135558.78			point			3.7	1.8	2.626		4	Liquid	216A-4	216-A-33	Rpe-s	1955	Rp-dn	1964							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	359	216-A-34		1	216	Ditch	575647.94	136210.16			polygon	85.3				607.028		4	Liquid	216A-4	216-A-34	Rpe-s	1955	Rp-dn	1957							2014	ABAR2E09	RCRA C	RCRA C-I14	RCRA C-I14	500	2514	Rpe-s
A	360	216-A-35		1	216	French Drair	574958.50	135613.69			point				1.8	404.686		4	Liquid	216A-4	216-A-35	Rpe-s	1963	Rp-dn	1966							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	361	216-A-36A		1	216	Crib	575106.50	135396.03			polygon	30.5	3.4			809.371		4	Liquid	216A-4	216-A-36A	Rpe-s	1965	Rp-dn	1966							2015	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	500	2515	Rpe-s
A	362	216-A-36B		1	216	Crib	575105.06	135294.92	4	(575095.000,135220.000), (575120.000,135220.000), (575120.000,135420.000), (575095.000,135420.000)	polygon	152.4	3.4			510.967		4	Liquid	216A-4	216-A-36B	Rpe-s	1966	Rp-dn	1987							2015	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2515	Rpe-s
A	363	216-A-37-1		1	216	Crib	575842.13	135678.91			polygon	213.4	3.0			1011.714		4	Liquid	216A-4	216-A-37-1	Rpe-s	1977	Rp-dn	1989							2008	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2508	Rpe-s
A	364	216-A-37-2		1	216	Crib	576170.38	135525.66			polygon	426.7	3.0			1300.643		4	Liquid	216A-4	216-A-37-2	Rpe-s	1983	Rp-dn	1995							2015	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2515	Rpe-s
A	366	216-A-39		1	216	Crib	575431.50	136253.80			polygon	28.0	22.0			616.000		4	Liquid	216A-4	216-A-39	Rpe-s	1966	Rp-dn	1966							2010	IBAR	RCRA	RCRA C-	RCRA C-I12	500	2510	Rpe-s
A	367	216-A-4		1	216	Crib	575216.81	135528.66			polygon	6.1	6.1	7.9		37.161		4	Liquid	216A-4	216-A-4	Rpe-s	1955	Rp-dn	1958							2016	ABAR2E16A	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	Rpe-s
A	368	216-A-40		1	216	Retention Basir	575172.13	136187.17			polygon	121.9	6.1	3.7		743.224		4	Liquid	216A-4	216-A-40	Rpe-s	1968	Rp-dn	1979							2010	RTD			Rpe-ds	30	2040	Rpe-s
A	369	216-A-41		1	216	Crib	575237.44	136108.48			polygon	3.0	3.0			40.599		4	Liquid	216A-4	216-A-41	Rpe-s	1968	Rp-dn	1974							2016	RTD			Rpe-ds	30	2046	Rpe-s
A	370	216-A-42		1	216	Retention Basir	575681.63	135694.72			polygon	104.2	9.1	6.1		953.185		4	Liquid	216A-4	216-A-42	Rpe-s	1978	Rp-dn	1997							2011	RTD			Rpe-ds	30	2041	Rpe-s
A	371	216-A-45		1	216	Crib	574908.25	135161.34			polygon	94.5	18.3			1727.997		4	Liquid	216A-4	216-A-45	Rpe-s	1987	Rp-dn	1991							2008	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2508	Rpe-s
A	372	216-A-5		1	216	Crib	575047.50	135492.72			polygon	10.7	10.7	8.8		113.806		4	Liquid	216A-4	216-A-5	Rpe-s	1955	Rp-dn	1966							2015	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2515	Rpe-s
A	374	216-A-6		1	216	Crib	575591.44	135648.02	5	(575544.670,135616.334), (575598.686,135644.659), (575615.484,135616.663), (575561.797,135588.338), (575544.670,135616.334)	polygon	30.5	30.5			929.030		4	Liquid	216A-4	216-A-6	Rpe-s	1955	Rp-dn	1970							2016	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2516	Rpe-s
A	375	216-A-7		1	216	Crib	575506.19	136043.55			polygon	3.0	3.0	4.9		9.290		4	Liquid	216A-4	216-A-7	Rpe-s	1955	Rp-dn	1966							2013	ABAR2E08	RCRA C	RCRA C-I13	RCRA C-I13	500	2513	Rpe-s
A	376	216-A-8		1	216	Crib	575779.69	136194.02			polygon	259.1	6.1			1579.352		4	Liquid	216A-4	216-A-8	Rpe-s	1955	Rp-dn	1991							2014	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2514	Rpe-s
A	377	216-A-9		1	216	Crib	575108.94	136024.95			polygon	128.0	6.1			780.386		4	Liquid	216A-4	216-A-9	Rpe-s	1956	Rp-dn	1969							2012	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2512	Rpe-s
A_BC_E	383	216-B-14		1	216	Crib	573649.25	134404.89			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_E-3	216-B-14	Rpe-s	1956	Rp-dn	1956	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BC_E	384	216-B-15		1	216	Crib	573607.13	134432.20			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_E-3	216-B-15	Rpe-s	1956	Rp-dn	1957	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BC_E	385	216-B-16		1	216	Crib	573624.94	134365.50			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_E-3	216-B-16	Rpe-s	1956	Rp-dn	1956	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BC_W	386	216-B-17		1	216	Crib	573582.81	134389.77			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_W-3	216-B-17	Rpe-s	1956	Rp-dn	1956	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BC_W	387	216-B-18		1	216	Crib	573600.69	134323.06			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_W-3	216-B-18	Rpe-s	1956	Rp-dn	1956	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BC_W	388	216-B-19		1	216	Crib	573558.56	134347.33			point	24.4	24.4	4.0		594.579		3	Liquid	216A_BC_W-3	216-B-19	Rpe-s	1957	Rp-dn	1957	1981	ABAR	Rp-				2012	ABAR2E06	RCRA C	RCRA C-I15	RCRA C-I15	500	2512	Rpe-s
A_BCT_W	392	216-B-20		1	216	Trench	573413.99	134373.12			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_W-	216-B-20	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2012	ABAR2E05	RCRA C	RCRA C-I16	RCRA C-I16	500	2512	Rpe-s
A_BCT_W	393	216-B-21		1	216	Trench	573378.94	134373.12			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_W-	216-B-21	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2012	ABAR2E05	RCRA C	RCRA C-I16	RCRA C-I16	500	2512	Rpe-s
A_BCT_W	394	216-B-22		1	216	Trench	573343.73	134373.12			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_W-	216-B-22	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2012	ABAR2E05	RCRA C	RCRA C-I16	RCRA C-I16	500	2512	Rpe-s
A_BCT_S	395	216-B-23		1	216	Trench	573283.23	134234.44			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-23	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	RCRA C-I17	RCRA C-I17	500	2513	Rpe-s
A_BCT_S	396	216-B-24		1	216	Trench	573283.23	134203.96			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-24	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_S	397	216-B-25		1	216	Trench	573283.23	134173.48			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-25	Rpe-s	1956	Rp-dn	1956	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_S	398	216-B-26		1	216	Trench	573283.23	134143.00			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-26	Rpe-s	1956	G-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_S	399	216-B-27		1	216	Trench	573283.23	134112.52			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-27	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_S	400	216-B-28		1	216	Trench	573283.23	134082.04			line	152.4	3.0	3.0		464.515		3	Liquid	216A_BCT_S-3	216-B-28	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_N	401	216-B-29		1	216	Trench	573083.28	134439.27			line	152.4	3.0			464.515		3	Liquid	216A_BCT_N-3	216-B-29	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_N	406	216-B-30		1	216	Trench	573083.28	134401.17			line	152.4	3.0			464.515		3	Liquid	216A_BCT_N-3	216-B-30	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_N	407	216-B-31		1	216	Trench	573083.28	134363.07			line	152.4	3.0			464.515		3	Liquid	216A_BCT_N-3	216-B-31	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_N	408	216-B-32		1	216	Trench	573083.28	134324.97			line	152.4	3.0			464.515		3	Liquid	216A_BCT_N-3	216-B-32	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_N	409	216-B-33		1	216	Trench	573083.28	134286.87			line	152.4	3.0			464.515		3	Liquid	216A_BCT_N-3	216-B-33	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2013	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2513	Rpe-s
A_BCT_S	410	216-B-34		1	216	Trench	573083.28	134248.77			line	152.4	3.0			464.515		3	Liquid	216A_BCT_S-3	216-B-34	Rpe-s	1957	Rp-dn	1957	1969	ABAR	G-dn	1982	ABAR	Rpe-	2014	ABAR2E01	RCRA C	Hanford-I17	Hanford-I17	500	2514	Rpe-s
A_BCT_S	433	216-B-52		1	216	Trench	573293.59	134269.49			line	176.8	3.0			538.838		3	Liquid	216A_BCT_S-3	216-B-52	Rpe-s	1957	Rp-dn	1958	1969	ABAR	G-dn	1982	ABAR	Rpe-	2015	ABAR2E04	RCRA C	Hanford-I17	Hanford-I17	500	2515	Rpe-s
A_BCT_N	434	216-B-53A		1	216	Trench	573214.34	134439.27			line	18.3	3.0			55.742		4	Liquid	216A_BCT_N-4	216-B-53A	Rpe-s	1965	Rp-dn	1965	1969	ABAR	G-dn	1982	ABAR	Rpe-	2014	ABAR2E02	Hanford	Hanford-I13	Hanford-I13	1000	3014	Rpe-s
A_BCT_N	435	216-B-53B		1	216	Trench	573234.77	134425.40			line	45.7	3.0			139.355		4	Liquid	216A_BCT_N-4	216-B-53B	Rpe-s	1962	Rp-dn	1963	1969	ABAR	G-dn	1982	ABAR	Rpe-	2014	ABAR2E02	Hanford	Hanford-I13	Hanford-I13	1000	3014	Rpe-s
A_BCT_N	436	216-B-54		1	216	Trench	573235.68	134378.31			line	61.0	3.0			185.806		4	Liquid	216A_BCT_N-4	216-B-54	Rpe-s	1963	Rp-dn	1965	1969	ABAR	G-dn	1982	ABAR	Rpe-	2014	ABAR2E03	RCRA C	Hanford-I16	Hanford-I16	500	2514	Rpe-s
A_BCT_N	440	216-B-58		1	216	Trench	573235.68	134347.83			line	61.0	3.0			185.806		4	Liquid	216A_BCT_N-4	216-B-58	Rpe-s	1965	Rp-dn	1967	1969	ABAR	G-dn	1982	ABAR	Rpe-	2014	ABAR2E03	RCRA C	Hanford-I16	Hanford-I16	500	2514	Rpe-s
A	452	216-C-1		1	216	Crib	574580.13	136303.63			polygon	8.2	3.7	4.0		30.101		2	Liquid	216A-2	216-C-1	Rpe-s	1953	Rp-dn	1957							2015	IBAR	RCRA C	Hanford-I10	Hanford-I10	500	2515	Rpe-s
A	453	216-C-10		1	216	Crib	574697.75	136313.06			polygon	9.8	1.5	2.1		14.864		4	Liquid	216A-4	216-C-10	Rpe-s	1964	Rp-dn	1969							2008	IBAR	RCRA C	Hanford-I9	Hanford-I9	500	2508	Rpe-s
A	454	216-C-2		1	266	Injection/Reverse Wel	574652.13	136374.98			point			12.2	0.3	0.073		4	Liquid	266A-4	216-C-2	Rpe-s	1953	Rp-dn	1988							2017	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2517	Rpe-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
A	455	216-C-3		1	216	Crib	574533.50	136299.98			polygon	15.2	3.0	3.0		46.452		4	Liquid	216A-4	216-C-3	Rpe-s	1953	Rp-dn	1954							2008	ABAR2E17	RCRA C	Hanford-I9	Hanford-I9	500	2508	Rpe-s
A	456	216-C-4		1	216	Crib	574521.69	136304.64			polygon	6.1	3.0	4.9		18.581		4	Liquid	216A-4	216-C-4	Rpe-s	1955	Rp-dn	1965							2014	ABAR2E17	RCRA C	Hanford-I9	Hanford-I9	500	2514	Rpe-s
A	457	216-C-5		1	216	Crib	574542.69	136292.39			point	6.1	3.0	4.9		18.581		4	Liquid	216A-4	216-C-5	Rpe-s	1955	Rp-dn	1955							2008	ABAR2E17	RCRA C	Hanford-I9	Hanford-I9	500	2508	Rpe-s
A	458	216-C-6		1	216	Crib	574632.19	136288.22			polygon	6.1	3.0	4.9		18.581		4	Liquid	216A-4	216-C-6	Rpe-s	1955	Rp-dn	1964							2013	IBAR	RCRA C	Hanford-I9	Hanford-I9	500	2513	Rpe-s
A	459	216-C-7		1	216	Crib	574447.00	136281.13			polygon	6.1	6.1	3.7		37.161		4	Liquid	216A-4	216-C-7	Rpe-s	1961	Rp-dn	1983							2009	RTD			Rpe-ds	30	2039	Rpe-s
A	460	216-C-8		1	216	French Drain	575210.25	136475.59			point			4.8768	2.4	4.670	Ion exchange waste from 271-CR	4	Liquid	216A-4	216-C-8	Rpe-s	1962	Rp-dn	1965							2008	RTD			Rpe-ds	30	2038	Rpe-s
A	461	216-C-9		1	216	Pond	574585.38	136478.14			polygon	243.8	30.5	7.6		7432.243		4	Liquid	216A-4	216-C-9	Rpe-s	1953	Rp-dn	1983							2016	ABAR2E10	RCRA C	Hanford-I16	Hanford-I16	500	2516	Rpe-s
A	577	218-C-9		1	216	Burial Grounc	574657.56	136464.67			polygon	86.3	86.3			16982.676		4	Soil-Debris	216A-4	218-C-9	Rpe-s	1985	Rp-dn	1989							2014	ABAR2E10	RCRA C	Hanford-I16	Hanford-I16	500	2514	Rpe-s
A	578	218-E-1		1	216	Burial Grounc	574754.69	135574.91			polygon	148.1	88.4			7440.512		4	Soil-Debris	216A-4	218-E-1	Rpe-s	1945	Rp-dn	1953							2014	IBAR	RCRA C	Hanford-I15	Hanford-I15	500	2514	Rpe-s
A	583	218-E-14		1	216	Storage Tunne	575259.13	135486.86			polygon	109.1	5.8	6.9		631.926		4	Cement/Soil-Debris	216A-4	218-E-14	Rpe-s	1960	Rp-dn	1964							2010	D&D			Rpe-ds	30	2040	Rpe-s
A	584	218-E-15		1	216	Storage Tunne	575277.31	135225.56			polygon	514.5	10.4	6.7		5331.891		4	Cement/Soil-Debris	216A-4	218-E-15	Rpe-s	1967	Rp-dn	1996							2010	D&D			Rpe-ds	30	2040	Rpe-s
A_ILAW_	9907	218-E-ILAW	218-E-ILAW, ILAW	1	216	Burial Grounc	574600.00	135400.00								100000.000		4	Glass	216A_ILAW_C-	218-E-ILAW	Rpe-s	2010	Rp-dn	2035							2035	IBAR	RCRA C	RCRA C-	RCRA C-	500	2535	Rpe-s
A	9910	218-E-Melter	218-E-Melter, Melter	1	216	Burial Grounc	574800.00	135200.00				174.0	70.0			12180.000		4	Glass	216A-4	218-E-Melter	Rpe-s	2010	Rp-dn	2035							2035	IBAR	RCRA C	RCRA C-	RCRA C-	500	2535	Rpe-s
A_ILAW_C	9915	218-E-RCRA	Cell 1 - Portion of IDF that receives RCRA waste including ILAW, melters, on and off site MLLW	1	216	Burial Ground	574382.72	135354.65			polygon	205.0	218.5	12.2		44791.848		4	Glass/Soil Debris	216A_ILAW_C-4	218-E-RCRA	Rpe-s	2008	Rp-dn	2035							2035	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2535	Rpe-s
A_ILAW_C	9916	218-E-LLW	Cell 2 - Portion of IDF that receives all LLW.	1	216	Burial Ground	574547.36	135354.65			polygon	205.0	218.5	12.2		44791.848		4	Soil-Debris	216A_ILAW_C-4	218-E-LLW	Rpe-s	2008	Rp-dn	2035							2035	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2535	Rpe-s
A_ILAW_	9917	218-E-Cores	"IDF Cores"	1	216	Burial Grounc	574600.00	135400.00								10000.000		4	Reactor Block/Soil-Debris	216A_ILAW_C-	218-E-Cores	Rpe-s	2065	Rp-dn	2065							2066	IBAR	RCRA C	RCRA C-	RCRA C-	500	2566	Rpe-s
A	652	241-A-101		1	241	Single-Shell Tanl	575322.38	136043.30			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-101	Rpe-s	1956	G-dn	1980							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	653	241-A-102		1	241	Single-Shell Tanl	575353.50	136043.38			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-102	Rpe-s	1956	G-dn	1980							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	654	241-A-103		1	241	Single-Shell Tanl	575384.56	136043.47			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-103	Rpe-s	1956	G-dn	1980							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	655	241-A-104		1	241	Single-Shell Tanl	575322.31	136074.38			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-104	Rpe-s	1958	G-dn	1975							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	656	241-A-105		1	241	Single-Shell Tanl	575353.38	136074.45			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-105	Rpe-s	1962	G-dn	2024							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	657	241-A-106		1	241	Single-Shell Tanl	575384.50	136074.55			polygon			15.24	22.9	410.433		2	Liquid/Salt Cake	241A-2	241-A-106	Rpe-s	1957	G-dn	1980							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	648	241-A-431	241-A-431, 241-A-431 Ventilation Building, 241-A-431 Tank Farm Ventilation Building	1	200	Process Unit/Plant	575424.80	136030.79			Polygon	6.10	4.88			29.729	Equipment	2	Cement/Liquid	200A-2	241-A-431	Rpe-s	1955	ABC	1969							2024	ABAR2EATF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	660	241-AN-101		1	241	Double-Shell Tank	575412.25	136389.28			polygon			16.764	22.9	410.433	Non-complexed waste from PUREX, dilute non-complexed waste, low-level waste from B Plant, decontamination waste from N Reactor, and dilute non-complexed salt well waste	2	Salt Cake	241A-2	241-AN-101	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	661	241-AN-102		1	241	Double-Shell Tank	575379.63	136389.19			polygon			16.764	22.9	410.433	Non-complexed waste from Tank 241-SY-102, complexant concentrate waste, low-level waste from PUREX, complexant concentrate waste from Tank 241-AW-101	3	Salt Cake	241A-3	241-AN-102	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	662	241-AN-103		1	241	Double-Shell Tank	575347.00	136389.06			polygon			16.764	22.9	410.433	Non-complexed waste from Tank 241-SY-102, low-level waste from B Plant and dilute non-complexed waste from the 200-East Area single shell tanks, double-shell slurry feed waste	2	Salt Cake	241A-2	241-AN-103	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	663	241-AN-104		1	241	Double-Shell Tank	575412.13	136421.86			polygon			16.764	22.9	410.433	Non-complexed waste, double-shell slurry feed waste, low-level waste from PUREX.	2	Salt Cake	241A-2	241-AN-104	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	664	241-AN-105		1	241	Double-Shell Tank	575379.56	136421.77			polygon			16.764	22.9	410.433	Non-complexed waste, double-shell slurry feed waste	2	Salt Cake	241A-2	241-AN-105	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	665	241-AN-106		1	241	Double-Shell Tank	575346.94	136421.67			polygon			16.764	22.9	410.433	Non-complexed waste, concentrated customer waste, Hanford facility waste, phosphate waste	2	Salt Cake	241A-2	241-AN-106	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	666	241-AN-107		1	241	Double-Shell Tank	575346.81	136454.28			polygon			16.764	22.9	410.433	Non-complexed waste, complexant concentrate waste.	3	Salt Cake	241A-3	241-AN-107	Rpe-s	1981	G-dn	2024							2024	ABAR2EANTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	668	241-AP-101		1	241	Double-Shell Tank	575537.38	135879.66			polygon			16.764	22.9	410.433	Non-complexed waste, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-101	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	669	241-AP-102		1	241	Double-Shell Tank	575577.63	135879.77			polygon			16.764	22.9	410.433	Hanford facility waste, waste from PUREX, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-102	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	670	241-AP-103		1	241	Double-Shell Tank	575537.50	135847.05			polygon			16.764	22.9	410.433	Non-complexed waste, waste from PUREX, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-103	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	671	241-AP-104		1	241	Double-Shell Tank	575577.69	135847.16			polygon			16.764	22.9	410.433	Hanford Facility waste, decontamination waste from N Reactor, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-104	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	672	241-AP-105		1	241	Double-Shell Tank	575537.63	135796.45			polygon			16.764	22.9	410.433	Non-complexed waste, double-shell slurry feed waste.	2	Salt Cake	241A-2	241-AP-105	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	673	241-AP-106		1	241	Double-Shell Tank	575577.88	135796.58			polygon			16.764	22.9	410.433	Hanford Facility waste, non-complexed waste, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-106	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	674	241-AP-107		1	241	Double-Shell Tank	575537.75	135763.84			polygon			16.764	22.9	410.433	Double-shell slurry feed waste, non-complexed waste, waste form PUREX, dilute non-complexed waste	2	Salt Cake	241A-2	241-AP-107	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	675	241-AP-108		1	241	Double-Shell Tank	575577.94	135763.97			polygon			16.764	22.9	410.433	Dilute non-complexed waste from PUREX, non-complexed waste, double-shell slurry feed waste	2	Salt Cake	241A-2	241-AP-108	Rpe-s	1986	G-dn	2024							2024	ABAR2EAPTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
A	679	241-AW-101		1	241	Double-Shell Tanl	575338.69	135890.67			polygon			16.764	22.9	410.433		2	Salt Cake	241A-2	241-AW-101	Rpe-s	1980	G-dn	2024							2024	ABAR2EAWT	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	680	241-AW-102		1	241	Double-Shell Tanl	575371.31	135890.75			polygon			16.764	22.9	410.433		2	Salt Cake	241A-2	241-AW-102	Rpe-s	1980	G-dn	2024							2024	ABAR2EAWT	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s
A	681	241-AW-103		1	241	Double-Shell Tanl	575338.75	135858.06			polygon			16.764	22.9	410.433		2	Salt Cake	241A-2	241-AW-103	Rpe-s	1980	G-dn	2024							2024	ABAR2EAWT	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rpe-s

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A	682	241-AW-104		1	241	Double-Shell Tank	575371.38	135858.16			polygon			16.764	22.9	*410.433*		2	Salt Cake	241A-2	241-AW-104	Rpe-s	1980	G-dn	*2024*							*2024*	*ABAR2EAWT*	RCRA C	*Hanford-I15*	Hanford-I15	500	2524	Rpe-s
A	683	241-AW-105		1	241	Double-Shell Tank	575338.88	135825.45			polygon			16.764	22.9	*410.433*		2	Salt Cake	241A-2	241-AW-105	Rpe-s	1980	G-dn	*2024*							*2024*	*ABAR2EAWT*	RCRA C	*Hanford-I15*	Hanford-I15	500	2524	Rpe-s
A	684	241-AW-106		1	241	Double-Shell Tank	575371.50	135825.55			polygon			16.764	22.9	*410.433*		2	Salt Cake	241A-2	241-AW-106	Rpe-s	1980	G-dn	*2024*							*2024*	*ABAR2EAWT*	RCRA C	*Hanford-I15*	Hanford-I15	500	2524	Rpe-s
A	692	241-AX-101		1	241	Single-Shell Tank	575422.19	136203.86			polygon			15.24	22.9	*410.433*	Double shell slurry feed is waste concentrated just before reacting the sodium aluminate saturation	2	Liquid/Salt Cake	241A-2	241-AX-101	Rpe-s	1965	G-dn	1980							*2024*	*ABAR2EAXTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	693	241-AX-102		1	241	Single-Shell Tank	575422.31	136172.78			polygon			15.24	22.9	*410.433*	Concentrated complexant from the evaporation of dilute complexed waste	3	Liquid/Salt Cake	241A-3	241-AX-102	Rpe-s	1966	G-dn	1980							*2024*	*ABAR2EAXTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	694	241-AX-103		1	241	Single-Shell Tank	575394.75	136203.78			polygon			15.24	22.9	*410.433*	Concentrated complexant from the evaporation of dilute complexed waste	3	Liquid/Salt Cake	241A-3	241-AX-103	Rpe-s	1965	G-dn	1980							*2024*	*ABAR2EAXTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	695	241-AX-104		1	241	Single-Shell Tank	575394.88	136172.70			polygon			15.24	22.9	*410.433*	Non-complexed waste	2	Liquid/Salt Cake	241A-2	241-AX-104	Rpe-s	1966	G-dn	1976							*2024*	*ABAR2EAXTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	698	241-AY-101		1	241	Double-Shell Tank	575312.19	136204.31			polygon			16.764	22.9	*410.433*	Dilute complexed waste - including organic complexants: ethylenediaminetetra-acetic acid, citric acid, and hydroxyethyl-ethylenediaminetriacetic acid	3	Salt Cake	241A-3	241-AY-101	Rpe-s	1971	G-dn	*2024*							*2024*	*ABAR2EAYTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	699	241-AY-102		1	241	Double-Shell Tank	575312.31	136171.70			polygon			16.764	22.9	*410.433*	Neutralized high-level waste and double-shell slurry feed	2	Salt Cake	241A-2	241-AY-102	Rpe-s	1972	G-dn	*2024*							*2024*	*ABAR2EAYTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	703	241-AZ-101		1	241	Double-Shell Tank	575412.44	136310.17			polygon			16.764	22.9	*410.433*	Complexed waste, double-shell slurry feed waste, non-complexed waste, water, evaporator waste, residual liquor, and complexant concentrate waste	3	Salt Cake	241A-3	241-AZ-101	Rpe-s	1976	G-dn	*2024*							*2024*	*ABAR2EAZTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	704	241-AZ-102		1	241	Double-Shell Tank	575379.81	136310.09			polygon			16.764	22.9	*410.433*	Waste from PUREX, non-complexed waste, complexant concentrate waste, complexed waste, residual liquor waste	3	Salt Cake	241A-3	241-AZ-102	Rpe-s	1976	G-dn	*2024*							*2024*	*ABAR2EAZTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rpe-s
A	772	241-C-101		1	241	Single-Shell Tank	575161.44	136504.28			polygon			11.7348	22.9	*410.433*	Bismuth phosphate metal waste, tributyl phosphate waste, and PUREX coating waste.	2	Liquid/Salt Cake	241A-2	241-C-101	Rpe-s	1946	G-dn	1970							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	773	241-C-102		1	241	Single-Shell Tank	575182.94	136525.89			polygon			9.525	22.9	*410.433*	Bismuth phosphate metal waste, tributyl phosphate waste, PUREX coating waste, high-level waste, PUREX organic wash waste, supernatant containing organic wash wastes and coating wastes	2	Liquid/Salt Cake	241A-2	241-C-102	Rpe-s	1946	G-dn	1976							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	774	241-C-103		1	241	Single-Shell Tank	575204.44	136547.50			polygon			11.7348	22.9	*410.433*	PUREX coating waste, tributyl phosphate waste, coating waste, PUREX high-level waste, B Plant high-level waste, B Plant waste fractionization low-level waste, PUREX sludge supernatant, PUREX low-level waste, waste fractionization PUREX sludge, PUREX organ	2	Liquid/Salt Cake	241A-2	241-C-103	Rpe-s	1946	G-dn	1979							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	775	241-C-104		1	241	Single-Shell Tank	575139.81	136525.77			polygon			11.7348	22.9	*410.433*	Metal waste, strontium-leached sluicing solids, and fissile material (including uranium-223) from PUREX thorium campaigns	2	Liquid/Salt Cake	241A-2	241-C-104	Rpe-s	1946	G-dn	1980							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	776	241-C-105		1	241	Single-Shell Tank	575161.31	136547.38			polygon			11.7348	22.9	*410.433*	PUREX sludge supernatant enroute to B Plant, and metal waste	2	Liquid/Salt Cake	241A-2	241-C-105	Rpe-s	1946	G-dn	1979							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	777	241-C-106		1	241	Single-Shell Tank	575182.81	136568.98			polygon			11.7348	22.9	*410.433*	Metal waste, and PUREX Plant fission product waste	2	Liquid/Salt Cake	241A-2	241-C-106	Rpe-s	1947	G-dn	1979							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	778	241-C-107		1	241	Single-Shell Tank	575118.25	136547.25			polygon			11.7348	22.9	*410.433*	Bismuth Phosphate First Cycle Waste, insoluble strontium leached, sluicing solids.	2	Liquid/Salt Cake	241A-2	241-C-107	Rpe-s	1946	G-dn	1978							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	779	241-C-108		1	241	Single-Shell Tank	575139.69	136568.86			polygon			11.7348	22.9	*410.433*	Used as a primary settling tank for "In-Farm Scavenged Uranium". On the ferrocyanide watch list	3	Liquid/Salt Cake	241A-3	241-C-108	Rpe-s	1947	G-dn	1977							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	780	241-C-109		1	241	Single-Shell Tank	575161.19	136590.47			polygon			11.7348	22.9	*410.433*	Used as a primary settling tank for "In-Farm Scavenged Uranium".On the ferrocyanide watch list	3	Liquid/Salt Cake	241A-3	241-C-109	Rpe-s	1948	G-dn	1978							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	781	241-C-110		1	241	Single-Shell Tank	575096.63	136568.73			polygon			11.7348	22.9	*410.433*	Bismuth phosphate first cycle waste and B Plant decontamination waste. Used as a primary settling tank for "In-Farm Scavenged Uranium".	3	Liquid/Salt Cake	241A-3	241-C-110	Rpe-s	1946	G-dn	1976							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s
A	782	241-C-111		1	241	Single-Shell Tank	575118.13	136590.34			polygon			11.7348	22.9	*410.433*	Bismuth phosphate first cycle waste and B Plant decontamination waste. Used as a primary settling tank for "In-Farm Scavenged Uranium".	3	Liquid/Salt Cake	241A-3	241-C-111	Rpe-s	1946	G-dn	1978							*2024*	*ABAR2ECTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rpe-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group
A	783	241-C-112		1	241	Single-Shell Tank	575139.63	136611.95			polygon			11.7348	22.9	410.433	Bismuth phosphate first cycle waste and B Plant decontamination waste. Used as a primary settling tank for "In-Farm Scavenged Uranium".	3
A	784	241-C-201		1	241	Single-Shell Tanl	575188.13	136606.70			polygon			11.545824	6.1	29.186	Receiving metal waste	2
A	785	241-C-202		1	241	Single-Shell Tanl	575177.31	136617.45			polygon			11.545824	6.1	29.186	Receiving metal waste	2
A	786	241-C-203		1	241	Single-Shell Tanl	575166.50	136628.20			polygon			11.545824	6.1	29.186	Receiving metal waste	2
A	787	241-C-204		1	241	Single-Shell Tanl	575155.69	136638.94			polygon			11.548872	6.1	29.186	Receiving metal waste	2
A	771	241-C-801	241-C-801, 241-C-801 Cesium Loadout Facility	1	200	Process Unit/Plant	575229.55	136571.17			Polygon	9.75	7.92	7.62		77.295	Process Effluent	4
A	1000	2704-C-WS-1		1	216	French Drair	574572.88	136394.56			point					0.999		4
A	1016	291-C	291-C Filter/Fan House	1	200	Process Unit/Plant	########	########			line	62.0	3.0			186.000		**4**
A	9908	291-WTP		1	200	Stack	576400.00	135600.00			point				4.3	14.522		4
A	4386	296-A-13		1	200	Stack	575230.00	136100.00								13.000		4
A	1034	299-E24-111		1	266	Injection/Reverse Wel	574830.13	135418.84			point			18.3	0.2	0.018		4
A	1228	GTF	GTF, Grout Treatment Facility	1	200	Process Unit/Plant	575778.82	135834.13			polygon					99.900	Process Effluent	4
A	1229	GTFL		1	216	Burial Grounc	576440.19	135888.02			polygon	38.1	15.2	10.4		580.644		4
A	1234	HWVP	Hanford Waste Vitrification Plant (original site)	1	200	Process Unit/Plant	572854.06	136354.66			point					99.900		4
A	1284	UPR-200-E-10		1	200	Unplanned Releas	575196.38	135977.20			point					0.999	Soil	4
A	1290	UPR-200-E-107	UPR-200-E-107, UN-200-E-107, Contamination Spread in 241-C Tank Farm	1	200	Unplanned Release	575101.69	136557.81			point					0.999		4
A	1296	UPR-200-E-114		1	200	Unplanned Releas	575200.69	135584.84			point					0.999		4
A	1297	UPR-200-E-115		1	200	Unplanned Releas	575414.63	136173.56			point					0.999		2
A	1299	UPR-200-E-117		1	200	Unplanned Releas	575241.56	135518.59			point					0.999		4
A	1301	UPR-200-E-119	UPR-200-E-119, UN-200-E-119, Contamination Spread Inside 241-AX	1	200	Unplanned Release	575401.88	136167.75			point					0.999	Process Effluent	2
A	1302	UPR-200-E-12		1	200	Unplanned Releas	575185.00	135993.50			point					0.999	Water	4
A	1320	UPR-200-E-141		1	200	Unplanned Releas	574440.88	136294.16			point					0.999		4
A	1754	UPR-200-E-145		1	200	Unplanned Releas	575491.00	136125.00			line	12.2	1.8			22.297		4
A	1326	UPR-200-E-17		1	200	Unplanned Releas	575093.06	135778.17			point					0.999	Process Effluent	4
A	1331	UPR-200-E-21		1	200	Unplanned Releas	575568.50	135640.06			point					0.999		4
A	1335	UPR-200-E-26		1	200	Unplanned Releas	575202.94	135599.42			point					0.999		2
A	1338	UPR-200-E-29		1	200	Unplanned Releas	575568.50	135640.06			point					0.999	Process Effluent	4
A	1343	UPR-200-E-33		1	200	Unplanned Releas	575129.50	136053.91			point					0.999	Chemicals	4
A	1346	UPR-200-E-36		1	200	Unplanned Releas	574530.00	136421.16			point	274.3	137.2			37625.732	Process Effluent	4
A	1349	UPR-200-E-39		1	200	Unplanned Releas	575247.25	135610.08			point	7.9	7.9			60.387		4
A	1351	UPR-200-E-40		1	200	Unplanned Releas	575246.94	135608.09			point					4.645		4
A	1353	UPR-200-E-42		1	200	Unplanned Releas	575267.88	135955.77			point					0.999		2
A	1367	UPR-200-E-56		1	200	Unplanned Releas	575699.31	136431.48			polygon	30.5	30.5			929.030	Process Effluent	2
A	1392	UPR-200-E-81		1	200	Unplanned Releas	575121.25	136467.73			point	12.2	1.8			22.297		2
A	1393	UPR-200-E-82		1	200	Unplanned Releas	575032.63	136543.67			point					0.999		2
A	1397	UPR-200-E-86		1	200	Unplanned Releas	575034.25	136505.58			point	6.1	6.1	6.1		37.161		2
A	1411	UPR-200-E-99		1	200	Unplanned Releas	575223.69	136368.94			point					0.999	Soil	2
A	312	205-A	205-A Silica Gel Facility	1	200	Process Unit/Plant	575088.69	135746.95			point	3.66	3.05	2.44		11.148		4
A	1612	UPR-600-12		1	200	Unplanned Release	577060.44	134662.27			polygon					0.999	Uranium nitrate hexahydrate solution	4
A	9900	US_Ecology		1	216	Burial Grounc	572200.00	134320.00								409300.000		4
T	4377	600-256		1	200	Unplanned Releas	570082.88	136496.39			Point					9.990	Chemical Release	4
T	9911	CS-Resin		1	216	Burial Ground	########	########								211676.580		4
A	9909	HLW-store		1	200	Storage	########	########								100000.000		4
T	9913	ILAW-HLW-solid		1	216	Burial Ground	########	########								211676.580		4
T	9914	ILAW-liquid		1	200	Retention Basin	########	########								2155.351		4
T	9912	TC-Resin		1	216	Burial Ground	########	########								211676.580		4
B	1641	200_ETF	200 Area Effuent Treatment Facility (ETF), 2025-E	1	200	Process Unit/Plant	575814.71	137537.73			polygon					99.900		4
B	4360	200-E-100	200-E-100, Steam Trap 2P-Yard-MSS-TRP-019, Miscellaneous Stream #571	1	200	French Drain	573714.00	136369.00						0.3	0.6	0.292	Steam Condensate	4
B	4458	200-E-117	Contamination Zone South of B Plant	1	200	Unplanned Release	573560.58	136366.12				3.05	3.05			9.303		4
B	4474	200-E-121	Soil Contamination Area East and West of Baltimore Avenue	1	200	Unplanned Release	573751.71	137592.63				200	24.38			4876.000		4
B	4475	200-E-122	Construction Forces Bullpen, CF Bullpen, Equipment Storage Yard	1	200	Storage	573551.63	136317.22				44	20			880.000		4
B	4479	200-E-123	Contamination Area South of 216-B-2 Stabilized	1	200	Unplanned Release	########	########				7.1	4.5			31.950		4
B	4482	200-E-126	Underground Pipeline From 207-B to 216-B-3 Ditch and Pond System	1	216	Radioactive Process Sewer	575095.51	136952.84				4836	1			4836.000		4
B	4483	200-E-127	PUREX Cooling Water Line, Pipeline From PUREX to Gable and B-Ponds	1	216	Radioactive Process Sewer	575535.49	138462.92				3804	1			3804.000		4
B	4501	200-E-128	Radioactive Contamination "Hot Spot" Under Gravel Road	1	200	Unplanned Release	574077.56	137018.16							0.15	0.018		4
B	4502	200-E-129	Stabilized Area on East Side of B Plant Railroad Cut	1	200	Unplanned Release	573638.29	136770.90				6.1	3.66			22.326		4
B	4503	200-E-130	Stabilized Area on West Side of B Plant Chemical Spur	1	200	Unplanned Release	573521.51	136667.80			polygon					0.999		4
B	4531	200-E-137	291-B Exhaust Stack. 291-B-1	1	200	Stack	########	########			point			61	4.3	14.522		4
B	4532	200-E-138	296-B-1 exhaust stacl	1	200	Stack	########	########			point					0.999	Process Effluent	4
B	3793	200-E-25	272-BB French Drain, Insulation Shop French Drain, Miscellaneous Stream #659	1	216	French Drain	573511.86	136550.98							0.6	0.292		4
B	3871	200-E-28		1	200	Unplanned Releas	573395.69	136446.88			point			9.1		9.140		4

WIDS Site Code	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
241-C-112	Liquid/Salt Cake	241A-3	241-C-112	Rpe-s	1946	G-dn	1976							2024	ABAR2ECTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
241-C-201	Liquid/Salt Cake	241A-2	241-C-201	Rpe-s	1947	G-dn	1977							2024	ABAR2EC2TF	RCRA C	Hanford-I11	Hanford-I11	500	2524	Rpe-s
241-C-202	Liquid/Salt Cake	241A-2	241-C-202	Rpe-s	1947	G-dn	1977							2024	ABAR2EC2TF	RCRA C	Hanford-I11	Hanford-I11	500	2524	Rpe-s
241-C-203	Liquid/Salt Cake	241A-2	241-C-203	Rpe-s	1947	G-dn	1976							2024	ABAR2EC2TF	RCRA C	Hanford-I11	Hanford-I11	500	2524	Rpe-s
241-C-204	Liquid/Salt Cake	241A-2	241-C-204	Rpe-s	1948	G-dn	1977							2024	ABAR2EC2TF	RCRA C	Hanford-I11	Hanford-I11	500	2524	Rpe-s
241-C-801	Liquid/Cement	200A-4	241-C-801	Rpe-s	1962	ABC	1976							2024	ABAR2EC2TF	RCRA C	Hanford-I11	Hanford-I11	500	2524	Rpe-s
2704-C-WS-1	Liquid	216A-4	2704-C-WS-1	Rpe-s	1958	Rp-dn	1998							NA	No Action			Rpe-ds	30	2010	Rpe-s
291-C	Cement	**200A-4**	291-C	**Rpe-s**	1949	**ABC**	1987							2020	D&D			Rpe-ds	30	2050	Rpe-s
291-WTP	Atmosphere	200A-4	291-WTP	Rpe-s	2010	ABC	2035							2035	RTD			Rpe-ds	30	2065	Rpe-s
296-A-13	Soil-Debris	200A-4	296-A-13	Rpe-s	1955	Rp-dn	1988							2024	IBAR	RCRA C	Hanford-I8	Hanford-I8	500	2524	Rpe-s
299-E24-111	Liquid	266A-4	299-E24-111	Rpe-s	1980	Rp-dn	1981							2018	ABAR2E07	RCRA C	Hanford-I11	Hanford-I11	500	2518	Rpe-s
GTF	Cement/Liquid/Soil	200A-4	GTF	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
GTFL	Soil-Debris/Cement	216A-4	GTFL	Rpe-s	1986	Rp-dn	1991							NA	No Action			Rpe-ds	30	2010	Rpe-s
HWVP	Cement	200A-4	HWVP	Rpe-s	1969	Rp-dn	1969							2024	D&D			Rpe-ds	30	2054	Rpe-s
UPR-200-E-10	Soil-Debris	200A-4	UPR-200-E-10	Rpe-s	1969	Rp-dn	1969							2016	RTD			Rpe-ds	30	2046	Rpe-s
UPR-200-E-107	Liquid	200A-4	UPR-200-E-107	Rpe-s	1952	G-dn	1952							2024	ABAR2ECTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rpe-s
UPR-200-E-114	Liquid	200A-4	UPR-200-E-114	Rpe-s	1952	Rp-dn	1954							2017	RTD			Rpe-ds	30	2047	Rpe-s
UPR-200-E-115	Liquid	200A-2	UPR-200-E-115	Rpe-s	1974	Rp-dn	1974							2024	ABAR2EAXTF	RCRA	Hanford-I14	Hanford-I14	500	2524	Rpe-s
UPR-200-E-117	Liquid	200A-4	UPR-200-E-117	Rpe-s	1972	Rp-dn	1972							2019	No Action			Rpe-ds	30	2049	Rpe-s
UPR-200-E-119	Soil-Debris/Liquid	200A-2	UPR-200-E-119	Rpe-s	1969	Rp-dn	1969							2024	ABAR2EAXTF	RCRA C	Hanford-I14	Hanford-I14	500	2524	Rpe-s
UPR-200-E-12	Liquid	200A-4	UPR-200-E-12	Rpe-s	1957	Rp-dn	1957							2017	RTD			Rpe-ds	30	2047	Rpe-s
UPR-200-E-141	Liquid	200A-4	UPR-200-E-141	Rpe-s	1984	Rp-dn	1984							2017	RTD			Rpe-ds	30	2047	Rpe-s
UPR-200-E-145	Liquid	200A-4	UPR-200-E-145	Rpe-s	1993	Rp-dn	1993							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-17	Liquid	200A-4	UPR-200-E-17	Rpe-s	1959	Rp-dn	1959							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-21	Liquid	200A-4	UPR-200-E-21	Rpe-s	1959	Rp-dn	1959							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-26	Liquid	200A-2	UPR-200-E-26	Rpe-s	1960	Rp-dn	1960							2019	No Action			Rpe-ds	30	2049	Rpe-s
UPR-200-E-29	Liquid	200A-4	UPR-200-E-29	Rpe-s	1961	Rp-dn	1961							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-33	Liquid	200A-4	UPR-200-E-33	Rpe-s	1964	Rp-dn	1964							2017	RTD			Rpe-ds	30	2047	Rpe-s
UPR-200-E-36	Liquid	200A-4	UPR-200-E-36	Rpe-s	1967	Rp-dn	1967							2017	RTD			Rpe-ds	30	2047	Rpe-s
UPR-200-E-39	Liquid	200A-4	UPR-200-E-39	Rpe-s	1968	Rp-dn	1968							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-40	Liquid	200A-4	UPR-200-E-40	Rpe-s	1968	Rp-dn	1968							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-42	Liquid	200A-2	UPR-200-E-42	Rpe-s	1972	Rp-dn	1972							2020	No Action			Rpe-ds	30	2050	Rpe-s
UPR-200-E-56	Liquid	200A-2	UPR-200-E-56	Rpe-s	1979	Rp-dn	1979							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-81	Liquid	200A-2	UPR-200-E-81	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-82	Liquid	200A-2	UPR-200-E-82	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-86	Liquid	200A-2	UPR-200-E-86	Rpe-s	1971	Rp-dn	1971							NA	No Action			Rpe-ds	30	2010	Rpe-s
UPR-200-E-99	Soil-Debris	200A-2	UPR-200-E-99	Rpe-s	1969	Rp-dn	1969							2020	RTD			Rpe-ds	30	2050	Rpe-s
205-A	Cement/Liquic	200A-4	205-A	Rpe-s	1956	ABC	1976							2024	D&D			Rpe-ds	30	2054	Rpe-s
UPR-600-12	Liquid	200A-4	UPR-600-12	Rpe-s	1954	Rp-dn	1954							NA	No Action			Rpe-ds	30	2010	Rpe-s
US_Ecology	Soil-Debris	216A-4	US_Ecology	Rpe-s	1965	Rp-dn	2050							2028	IBAR	RCRA C	Hanford-I21	Hanford-I21	500	2528	Rpe-s
600-256	Liquid	200T-4	600-256	Rpe-s	1995	Rp-dn	1995							NA	No Action			Rpe-ds	30	2010	Rpe-s
CS-Resin	Soil-Debris/Cement	216T-4	CS-Resin	Rp-s	2010	Rp-dn	2035							2035	ABAR2W01	Hanford	Hanford-I21	Hanford-I21	1000	3035	Rp-s
HLW-store	Soil-Debris/Glass	200A-4	HLW-store	Rpe-s	2010	Rp-dn	2035							2035	IBAR	RCRA	Hanford-I16	Hanford-I16	500	2535	Rpe-s
ILAW-HLW-solid	Soil-Debris/Cement	216T-4	ILAW-HLW-solid	Rp-s	2010	Rp-dn	2035							2035	ABAR2W01	Hanford	Hanford-I21	Hanford-I21	1000	3035	Rp-s
ILAW-liquid	Liquid	200T-4	ILAW-liquid	Rp-s	2010	Rp-dn	2035							2035	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2535	Rp-s
TC-Resin	Soil-Debris/Cement	216T-4	TC-Resin	Rp-s	2010	Rp-dn	2035							2035	ABAR2W01	Hanford	Hanford-I21	Hanford-I21	1000	3035	Rp-s
200_ETF	Cement	200B-4	200_ETF	Ba-s	1995	Ba-dn	1995							2024	D&D			Ba-ds	30	2054	Ba-s
200-E-100	Liquid	200B-4	200-E-100	Rpe-s	1945	Rp-dn	1998							NA	No Action			Rpe-ds		1998	Rpe-s
200-E-117	Soil-Debris	200B-4	200-E-117	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
200-E-121	Soil-Debris	200B-4	200-E-121	El-s	1969	El-dn	1969							NA	No Action			El-ds	30	2010	El-s
200-E-122	Soil-Debris	200B-4	200-E-122	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
200-E-123	Soil-Debris	200B-4	200-E-123	Ba-s	1969	Ba-dn	1969							NA	No Action			Ba-ds	30	2010	Ba-s
200-E-126	Liquid	216B-4	200-E-126	Ba-s	1945	Ba-dn	1995							2024	RTD			Ba-ds	30	2054	Ba-s
200-E-127	Liquid	216B-4	200-E-127	Ba-s	1969	Ba-dn	1969							2024	RTD			Ba-ds	30	2054	Ba-s
200-E-128	Soil-Debris	200B-4	200-E-128	Ba-s	1969	Ba-dn	1969							NA	No Action			Ba-ds	30	2010	Ba-s
200-E-129	Soil-Debris	200B-4	200-E-129	Rpe-s	1969	Rp-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
200-E-130	Soil-Debris	200B-4	200-E-130	Rpe-s	1969	G-dn	1969							NA	No Action			Rpe-ds	30	2010	Rpe-s
200-E-137	Soil-Debris	200B-4	200-E-137	El-s	1944	ABC	1998							2014	RTD			El-ds	30	2044	El-s
200-E-138	Atmosphere	200B-4	200-E-138	Rpe-s	1969	Rp-dn	1969							2014	RTD			Rpe-ds	30	2044	Rpe-s
200-E-25	Liquid	216B-4	200-E-25	Rpe-s	1971	Rp-dn	1991							2020	RTD			Rpe-ds	30	2050	Rpe-s
200-E-28	Liquid	200B-4	200-E-28	El-s	1990	El-dn	1990							2024	D&D			El-ds	30	2054	El-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
B	3904	200-E-30		1	216	Sand Filter	573630.38	136389.02			polygon	33.5	15.2	4.9		*510.967*		4	Liquid/Soil-Debris	216B-4	200-E-30	El-s	1948	El-dn	1997							*2024*	*D&D*			El-ds	30	2054	El-s
B	4269	200-E-55	200-E-55, Effluent Drain East of 291-B Sand Filter, Miscellaneous Stream #322	1	200	French Drain	573650	136388			Polygon			0.9144	1.828 8	2.627		4	Liquid	200B-4	200-E-55	Rpe-s	*1969*	Rp-dn	*1969*							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4288	200-E-60	200-E-60, 241-BY-ITS2-TK-2, 241-BY-ITS2 Heater Flush Tank, IMUST, Inactive Miscellaneous Underground Storage Tank	1	200	Storage Tank	573569.38	137517.95			point	12.8			0.30	0.071		4	Liquid	200B-4	200-E-60	El-s	1977	G-dn	1977							*2024*	*ABAR2EBYTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	El-s
B	4348	200-E-88	200-E-88, B Plant Yard Steam Condensate, Miscellaneous Stream #3	1	216	Injection/Reverse Well	573643.00	136368.00			point					*0.999*	Steam Condensate	4	Liquid	216B-4	200-E-88	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4349	200-E-89	200-E-89, B Plant Yard Steam Condensate, Miscellaneous Stream #4	1	216	Injection/Reverse Well	573557.00	136368.00			point				0.9	0.636	Steam Condensate	4	Liquid	216B-4	200-E-89	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4350	200-E-90	200-E-90, B Plant Yard Steam Condensate, Miscellaneous Stream #5	1	216	Injection/Reverse Well	573412.00	136368.00			point				1.0	0.785	Steam Condensate	4	Liquid	216B-4	200-E-90	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4351	200-E-91	200-E-91, B Plant Yard Steam Condensate, Miscellaneous Stream #6	1	216	Injection/Reverse Well	573358.38	136368.30			point				0.6	0.283	Steam Condensate	4	Liquid	216B-4	200-E-91	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4352	200-E-92	200-E-92, B Plant Yard Steam Condensate, Miscellaneous Stream #7	1	216	Injection/Reverse Well	573330.19	136401.39			point				0.8	0.442	Steam Condensate	4	Liquid	216B-4	200-E-92	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4353	200-E-93	200-E-93, B Plant Yard Steam Condensate, Miscellaneous Stream #8	1	216	Injection/Reverse Well	573556.50	136375.53			point				0.9	0.636	Steam Condensate	4	Liquid	216B-4	200-E-93	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4354	200-E-94	200-E-94, B Plant Yard Steam Condensate, Miscellaneous Stream #9	1	216	Injection/Reverse Well	573277.50	136377.50			point					*0.999*	Steam Condensate	4	Liquid	216B-4	200-E-94	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4355	200-E-95	200-E-95, 222B Steam Condensate, Miscellaneous Stream #308	1	216	French Drain	573433.30	136280.10			polygon				0.4	0.126	Steam Condensate	4	Liquid	216B-4	200-E-95	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4357	200-E-97	200-E-97, 212B Building Steam Condensate, Miscellaneous Stream #470	1	216	French Drain	573388.70	136446.23			polygon				0.4	0.126	Steam Condensate	4	Liquid	216B-4	200-E-97	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4358	200-E-98	200-E-98, 271B Building Ice Machine Overflow, Miscellaneous Stream #490	1	216	French Drain	573467.20	136477.60			polygon					*0.999*	Water	4	Liquid	216B-4	200-E-98	Rpe-s	1945	Rpe-dn	1997							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	4359	200-E-99	200-E-99, Steam Trap 2P-Yard-MSS-TRP-017, Miscellaneous Stream #570	1	200	French Drain	573715.00	136369.00			polygon					*0.999*	Steam Condensate	4	Liquid	200B-4	200-E-99	Rpe-s	1945	Rpe-dn	1998							NA	No Action			Rpe-ds	30	2010	Rpe-s
B	314	207-B		1	200	Retention Basin	573876.81	137079.11			polygon	75.0	37.5	2.0		2811.060		4	Liquid	200B-4	207-B	El-s	1945	El-dn	1997							2009	RTD			El-ds	30	2039	El-s
B	378	216-B-10A		1	216	Crib	573473.44	136339.66			point	4.3	4.3			809.371		4	Liquid	216B-4	216-B-10A	El-s	1949	El-dn	1952							2017	RTD			El-ds	30	2047	El-s
B	379	216-B-10B		1	216	Crib	573450.56	136339.58			point	4.3	4.3			*18.209*		4	Liquid	216B-4	216-B-10B	El-s	1949	El-dn	1973							2017	RTD			El-ds	30	2047	El-s
B	380	216-B-11A%B		1	216	French Drain	573851.00	137419.30			point	9.1			2.4	*4.670*	Low in salt and neutral to basic.	4	Liquid	216B-4	216-B-11A%B	El-s	1951	El-dn	1954							2013	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2513	El-s
B	381	216-B-12		1	216	Crib	573128.00	136600.14			polygon	48.8	15.2			743.224		4	Liquid	216B-4	216-B-12	El-s	1952	El-dn	1973							2015	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2515	El-s
B	382	216-B-13		1	216	French Drain	573571.50	136392.30			point			5.5	1.2	*1.167*		4	Liquid	216B-4	216-B-13	El-s	1945	El-dn	1976							2016	RTD			El-ds	30	2046	El-s
B	389	216-B-2-1		1	200	Ditch	574584.40	137061.50			line	1066.8	4.6			4877.410		4	Liquid	200B-4	216-B-2-1	El-s	1945	El-dn	1963							2013	ABAR2E11	RCRA C	Hanford-I16	Hanford-I16	500	2513	El-s
B	390	216-B-2-2		1	200	Ditch	574416.80	137088.90			line	1097.3	4.6			5016.764		4	Liquid	200B-4	216-B-2-2	El-s	1963	El-dn	1970							2014	ABAR2E11	RCRA C	Hanford-I16	Hanford-I16	500	2514	El-s
B	391	216-B-2-3		1	200	Ditch	574515.80	137011.90			line	1219.2	6.1			7432.243		4	Liquid	200B-4	216-B-2-3	El-s	1970	El-dn	1987							2015	ABAR2E11	RCRA C	Hanford-I16	Hanford-I16	500	2515	El-s
B	411	216-B-35		1	216	Trench	573441.10	137274.20			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-35	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	412	216-B-36		1	216	Trench	573441.10	137289.50			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-36	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	413	216-B-37		1	216	Trench	573441.10	137316.90			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-37	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	414	216-B-38		1	216	Trench	573441.10	137344.30			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-38	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	415	216-B-39		1	216	Trench	573441.10	137377.80			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-39	El-s	1953	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	419	216-B-4		1	266	Injection/Reverse Well	573554.06	136391.08			point	33.5		33.0	0.2	*0.033*		4	Liquid	266B-4	216-B-4	El-s	1945	El-dn	1949							2017	RTD			El-ds	30	2047	El-s
B	420	216-B-40		1	216	Trench	573440.00	137403.00			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-40	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	421	216-B-41		1	216	Trench	573440.00	137430.00			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-41	El-s	1954	El-dn	1954							2011	ABAR2E16	RCRA C	Hanford-I16	Hanford-I16	500	2511	El-s
B	422	216-B-42		1	216	Trench	573345.00	137060.00			line	76.8	3.0			*234.116*		2	Liquid	216B-2	216-B-42	El-s	1955	El-dn	1955							2014	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2514	El-s
B	423	216-B-43		1	216	Crib	573624.94	137614.02			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-43	El-s	1954	El-dn	1954							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	424	216-B-44		1	216	Crib	573624.88	137639.92			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-44	El-s	1954	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	425	216-B-45		1	216	Crib	573624.81	137665.83			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-45	El-s	1955	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	426	216-B-46		1	216	Crib	573624.75	137691.64			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-46	El-s	1955	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	427	216-B-47		1	216	Crib	573582.31	137613.89			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-47	El-s	1955	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	428	216-B-48		1	216	Crib	573582.19	137639.80			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-48	El-s	1955	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	429	216-B-49		1	216	Crib	573582.19	137665.63			point	22.9	22.9	4.3		*522.580*		3	Liquid	216B-3	216-B-49	El-s	1955	El-dn	1955							2014	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2514	El-s
B	430	216-B-5		1	267	Injection/Reverse Well	573781.06	136732.14			point	92.0		92.0	0.2	*0.033*		2	Liquid	267B-2	216-B-5	El-s	1945	El-dn	1947							NA	No Action			El-ds	30	2010	El-s
B	431	216-B-50		1	216	Crib	573582.13	137691.50			point	22.9	22.9	4.3		*522.580*		4	Liquid	216B-4	216-B-50	El-s	1965	El-dn	1974							2013	ABAR2E13	RCRA C	Hanford-I15	Hanford-I15	500	2513	El-s
B	432	216-B-51		1	216	French Drain	573866.31	137611.94			point			4.3	1.5	*1.824*	High salt, neutral to basic scavenged tributyl phosphate waste	3	Liquid	216B-3	216-B-51	El-s	1956	El-dn	1958							2014	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2514	El-s
B	437	216-B-55		1	216	Crib	573091.50	136495.38			polygon	228.6	3.0			*696.773*		3	Liquid	216B-3	216-B-55	El-s	1967	El-dn	1991							2016	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2516	El-s
B	439	216-B-57		1	216	Crib	573498.50	137578.55			polygon	105.0	64.0	15		*6720.000*	Waste storage tank condensate from the In Tank Solidification (ITS) #2 Unit	4	Liquid	216B-4	216-B-57	El-s	1968	El-dn	1973							1994	IBAR	Hanford	RCRA C-I11	RCRA C-I11	1000	2994	El-s
B	441	216-B-59		1	216	Trench	573833.00	136617.61			polygon	121.9	6.1	3.7		*743.224*		4	Liquid	216B-4	216-B-59	El-s	1967	El-dn	1974							NA	No Action			El-ds	30	2010	El-s
B	442	216-B-59B		1	216	Retention Basin	573828.00	136645.86			polygon	40.0	30.0	3.0		*1200.000*		4	Liquid	216B-4	216-B-59B	El-s	1974	El-dn	1997							2020	RTD			El-ds	30	2050	El-s
B	443	216-B-6		1	266	Injection/Reverse Well	573472.63	136403.03			point	48.8		23.0	0.2	*0.018*		4	Liquid	266B-4	216-B-6	El-s	1945	El-dn	1949							2017	RTD			El-ds	30	2047	El-s
B	444	216-B-60		1	216	Crib	573380.00	136480.00			line	4.9		12.2	2.4	*4.670*		4	Liquid	216B-4	216-B-60	El-s	1967	El-dn	1967							NA	No Action			El-ds	30	2010	El-s
B	446	216-B-62		1	216	Crib	573074.88	136814.70			polygon	152.4	3.0			*464.515*		4	Liquid	216B-4	216-B-62	El-s	1973	El-dn	1991							2013	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2513	El-s

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B	447	216-B-63		1	216	Ditch	574235.00	137190.00	7	(573934.599,137130.037), (573987.626,137040.299), (574148.745,137138.194), (574825.853,136909.773), (574870.721,137066.813), (574128.350,137285.037), (573934.599,137130.037)	line	426.7	1.2			520.257		4	Liquid	216B-4	216-B-63	El-s	1970	El-dn	1992							2016	ABAR2E11	RCRA C	Hanford-I16	Hanford-I16	500	2516	El-s
B	449	216-B-7A%B		1	216	Crib	573799.00	137392.94			point	3.7	3.7	1.2		13.378		2	Liquid	216B-2	216-B-7A%B	El-s	1946	El-dn	1967							2011	IBAR	Hanford	RCRA C-I8	RCRA C-I8	1000	3011	El-s
B	450	216-B-8		1	216	Crib	573807.88	137504.94			polygon	3.7	3.7	2.1		13.378		2	Liquid	216B-2	216-B-8	El-s	1948	El-dn	1953							2011	IBAR	RCRA C	RCRA C-I14	RCRA C-I14	500	2511	El-s
B	451	216-B-9		1	216	Crib	573852.25	136850.03			polygon	59.1	19.5			1618.743		2	Liquid	216B-2	216-B-9	El-s	1948	El-dn	1951							2011	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2511	El-s
B	1949	216-BY-201		1	216	Settling Tank	573608.00	137594.50			polygon	12.6	1.9	2.8		24.305	Radioactive waste from the 241-BY Tank Farm and the TBP Waste Line; includes nitrate, sodium, aluminum, carbonate and hydroxide	2	Liquid	216B-2	216-BY-201	El-s	1950	El-dn	1977							2015	RTD			El-ds	30	2045	El-s
B	579	218-E-10		1	216	Burial Ground	572944.81	137267.61			polygon	716.3	617.2	4.9		442102.342		4	Soil-Debris	216B-4	218-E-10	El-s	1960	El-dn	2018							2014	IBAR	RCRA C	Hanford-I20	Hanford-I20	500	2514	El-s
B	580	218-E-12A		1	216	Burial Ground	574938.06	136803.19			polygon	362.1	12.2			4414.753		4	Soil-Debris	216B-4	218-E-12A	El-s	1953	El-dn	1967							2015	IBAR	Hanford	Hanford-I19	Hanford-I19	1000	3015	El-s
B	581	218-E-12B		1	216	Burial Ground	574796.31	137446.50			polygon	1258.8	698.0	4.9		878649.081		4	Soil Debris/RXCOMP	216B-4	218-E-12B	El-s	1967	El-dn	2018							2015	ABAR2E12	RCRA C	Hanford-I21	Hanford-I21	500	2515	El-s
B	585	218-E-2		1	216	Burial Ground	573510.50	137077.88			polygon	164.9	134.4			22164.901		4	Soil-Debris	216B-4	218-E-2	El-s	1945	El-dn	1953							2015	ABAR2E14	RCRA C	Hanford-I18	Hanford-I18	500	2515	El-s
B	586	218-E-2A		1	216	Burial Ground	573544.63	136989.91			polygon	97.5	14.0			1367.533		4	Soil-Debris	216B-4	218-E-2A	El-s	1945	El-dn	1950							2015	ABAR2E14	RCRA C	Hanford-I18	Hanford-I18	500	2515	El-s
B	588	218-E-4		1	216	Burial Ground	573497.00	136890.73			polygon	237.7	61.0			14492.875		4	Soil-Debris	216B-4	218-E-4	El-s	1955	El-dn	1956							2016	IBAR	RCRA C	RCRA C-I15	RCRA C-I15	500	2516	El-s
B	589	218-E-5		1	216	Burial Ground	573417.13	137079.63			polygon	102.0	63.1			6432.746		4	Soil-Debris	216B-4	218-E-5	El-s	1954	El-dn	1956							2016	ABAR2E15	RCRA C	Hanford-I18	Hanford-I18	500	2516	El-s
B	590	218-E-5A		1	216	Burial Ground	573355.94	137087.56			polygon	36.6	30.5			1114.837		4	Soil-Debris	216B-4	218-E-5A	El-s	1956	El-dn	1959							2016	ABAR2E15	RCRA C	Hanford-I18	Hanford-I18	500	2516	El-s
B	592	218-E-7		1	216	Burial Ground	573500.44	136362.23			point					27.000		4	Soil-Debris	216B-4	218-E-7	El-s	1945	El-dn	1952							2016	RTD			El-ds	30	2046	El-s
B	593	218-E-8		1	216	Burial Ground	575115.75	137224.70			polygon	121.9	35.1			4273.540		4	Soil-Debris	216B-4	218-E-8	El-s	1958	El-dn	1959							2017	ABAR2E12	RCRA C	Hanford-I21	Hanford-I21	500	2517	El-s
B	594	218-E-9		1	216	Burial Ground	573584.25	137078.23			polygon	130.1	30.5			3966.960		4	Soil-Debris	216B-4	218-E-9	El-s	1953	El-dn	1958							2017	ABAR2E15	RCRA C	Hanford-I18	Hanford-I18	500	2517	El-s
B	9902	221-B		1	200	Process Unit/Plant	573270.00	136630.00								5590.000		4	Cement	200B-4	221-B	El-s	1945	ABC	1985							2024	IBAR	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	614	221-B_SDT		1	216	Settling Tank	573581.88	136464.95			point			4.3	2.4	4.670		4	Liquid	216B-4	221-B_SDT	El-s	1945	El-dn	1985							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	El-s
B	624	221-B-WS-2	B Plant Waste Piles	1	200	Storage	573604.25	136464.91			point	5.39	3.96	6.71		21.377		4	Soil-Debris	200B-4	221-B-WS-2	Rp-s	1945	ABC	1945							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	Rp-s
B	629	224-B		1	200	Process Unit/Plant	573411.44	136393.42			polygon	60.0	18.3	21.3		1098.114		4	Cement	200B-4	224-B	El-s	1945	ABC	1976							2024	IBAR	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	713	241-B-101		1	241	Single-Shell Tank	573871.94	137268.00			polygon			9.0678	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-101	El-s	1945	G-dn	1974							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	714	241-B-102		1	241	Single-Shell Tank	573871.81	137298.48			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-102	El-s	1945	G-dn	1978							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	715	241-B-103		1	241	Single-Shell Tank	573871.75	137328.95			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-103	El-s	1945	G-dn	1977							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	716	241-B-104		1	241	Single-Shell Tank	573841.44	137267.94			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-104	El-s	1946	G-dn	1972							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	717	241-B-105		1	241	Single-Shell Tank	573841.38	137298.39			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-105	El-s	1947	G-dn	1972							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	718	241-B-106		1	241	Single-Shell Tank	573841.31	137328.86			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-106	El-s	1947	G-dn	1977							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	719	241-B-107		1	241	Single-Shell Tank	573811.00	137267.84			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-107	El-s	1945	G-dn	1969							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	720	241-B-108		1	241	Single-Shell Tank	573810.88	137298.33			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-108	El-s	1945	G-dn	1977							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	721	241-B-109		1	241	Single-Shell Tank	573810.81	137328.78			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-109	El-s	1946	G-dn	1977							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	722	241-B-110		1	241	Single-Shell Tank	573780.50	137267.75			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-110	El-s	1945	G-dn	1971							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	723	241-B-111		1	241	Single-Shell Tank	573780.44	137298.23			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-111	El-s	1945	G-dn	1976							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	724	241-B-112		1	241	Single-Shell Tank	573780.31	137328.72			polygon			9	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-B-112	El-s	1946	G-dn	1977							2024	ABAR2EBTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	725	241-B-201		1	241	Single-Shell Tank	573818.44	137359.42			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241B-2	241-B-201	El-s	1952	G-dn	1971							2024	ABAR2EB2TF	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	726	241-B-202		1	241	Single-Shell Tank	573803.06	137359.42			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241B-2	241-B-202	El-s	1951	G-dn	1977							2024	ABAR2EB2TF	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	727	241-B-203		1	241	Single-Shell Tank	573787.88	137359.34			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241B-2	241-B-203	El-s	1951	G-dn	1977							2024	ABAR2EB2TF	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	728	241-B-204		1	241	Single-Shell Tank	573772.56	137359.42			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241B-2	241-B-204	El-s	1951	G-dn	1977							2024	ABAR2EB2TF	RCRA C	RCRA C-	RCRA C-	500	2524	El-s
B	712	241-B-361		1	241	Settling Tank	573770.44	136707.73			point	5.8			6.1	29.186		2	Liquid	241B-2	241-B-361	El-s	1945	G-dn	1947							2013	RTD			El-ds	30	2043	El-s
B	736	241-BX-101		1	241	Single-Shell Tank	573659.25	137316.91			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-101	El-s	1948	G-dn	1975							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	737	241-BX-102		1	241	Single-Shell Tank	573659.13	137347.39			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-102	El-s	1948	G-dn	1971							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	738	241-BX-103		1	241	Single-Shell Tank	573659.06	137377.88			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-103	El-s	1948	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	739	241-BX-104		1	241	Single-Shell Tank	573628.75	137316.86			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-104	El-s	1949	G-dn	1980							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	740	241-BX-105		1	241	Single-Shell Tank	573628.69	137347.30			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-105	El-s	1949	G-dn	1980							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	741	241-BX-106		1	241	Single-Shell Tank	573628.56	137377.78			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-106	El-s	1949	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	742	241-BX-107		1	241	Single-Shell Tank	573598.31	137316.77			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-107	El-s	1948	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	743	241-BX-108		1	241	Single-Shell Tank	573598.19	137347.25			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-108	El-s	1949	G-dn	1974							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	744	241-BX-109		1	241	Single-Shell Tank	573598.13	137377.69			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-109	El-s	1950	G-dn	1974							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	745	241-BX-110		1	241	Single-Shell Tank	573567.81	137316.67			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-110	El-s	1949	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	746	241-BX-111		1	241	Single-Shell Tank	573567.75	137347.16			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-111	El-s	1950	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	747	241-BX-112		1	241	Single-Shell Tank	573567.63	137377.63			polygon			9.5	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BX-112	El-s	1950	G-dn	1977							2024	ABAR2EBXTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	751	241-BY-101		1	241	Single-Shell Tank	573659.69	137468.67			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-101	El-s	1950	G-dn	1971							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	752	241-BY-102		1	241	Single-Shell Tank	573659.63	137499.77			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-102	El-s	1950	G-dn	1977							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	753	241-BY-103		1	241	Single-Shell Tank	573659.56	137530.86			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-103	El-s	1950	G-dn	1973							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	754	241-BY-104		1	241	Single-Shell Tank	573628.63	137468.61			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-104	El-s	1950	G-dn	1977							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	755	241-BY-105		1	241	Single-Shell Tank	573628.56	137499.67			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-105	El-s	1951	G-dn	1974							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	756	241-BY-106		1	241	Single-Shell Tank	573628.50	137530.77			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-106	El-s	1953	G-dn	1977							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	757	241-BY-107		1	241	Single-Shell Tank	573597.56	137468.52			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-107	El-s	1950	G-dn	1974							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	758	241-BY-108		1	241	Single-Shell Tank	573597.50	137499.58			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-108	El-s	1951	G-dn	1972							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	759	241-BY-109		1	241	Single-Shell Tank	573597.38	137530.67			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-109	El-s	1953	G-dn	1979							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	760	241-BY-110		1	241	Single-Shell Tank	573566.50	137468.42			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-110	El-s	1951	G-dn	1977							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	761	241-BY-111		1	241	Single-Shell Tank	573566.38	137499.52			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-111	El-s	1952	G-dn	1977							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	762	241-BY-112		1	241	Single-Shell Tank	573566.31	137530.58			polygon			11.2776	22.9	410.433		2	Liquid/Salt Cake	241B-2	241-BY-112	El-s	1951	G-dn	1976							2024	ABAR2EBYTF	RCRA C	RCRA C-	RCRA C-I16	500	2524	El-s
B	1224	B_PLANT_FILTE		1	200	Process Unit/Plant	573422.75	136465.22			point				0.8	0.493		4	Cement/Liquid/Soi	200B-4	B_PLANT_FILTE	El-s	1945	ABC	1985							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	El-s
B	1283	UPR-200-E-1		1	200	Unplanned Release	573499.94	136443.34			point					0.999		4	Liquid	200B-4	UPR-200-E-1	El-s	1946	El-dn	1946							2019	No Action			El-ds	30	2049	El-s
B	1288	UPR-200-E-105		1	200	Unplanned Release	573605.25	137461.55			point					27.871		2	Liquid	200B-2	UPR-200-E-105	El-s	1952	El-dn	1952							NA	No Action			El-ds	30	2010	El-s
B	1289	UPR-200-E-106		1	200	Unplanned Release	575144.94	137245.00			point					0.999	Chemicals	4	Soil-Debris	200B-4	UPR-200-E-106	El-s	1969	El-dn	1969							NA	No Action			El-ds	30	2010	El-s
B	1291	UPR-200-E-108		1	200	Unplanned Release	573758.25	137256.25			point					0.999		4	Liquid	200B-4	UPR-200-E-108	El-s	1953	El-dn	1953							NA	No Action			El-ds	30	2010	El-s
B	1292	UPR-200-E-109		1	200	Unplanned Release	573819.06	137309.78			point					27.871		2	Liquid	200B-2	UPR-200-E-109	El-s	1969	El-dn	1969							NA	No Action			El-ds	30	2010	El-s
B	1294	UPR-200-E-110		1	200	Unplanned Release	573566.25	137519.02			point					0.999		2	Liquid	200B-2	UPR-200-E-110	El-s	1955	El-dn	1955							NA	No Action			El-ds	30	2010	El-s
B	1295	UPR-200-E-112		1	200	Unplanned Release	573219.25	137005.14			Polygon,	15.2				0.999	Process Effluent	4	Liquid	200B-4	UPR-200-E-112	El-s	1969	El-dn	1969							2017	RTD			El-ds	30	2047	El-s
B	1298	UPR-200-E-116		1	200	Unplanned Release	573597.56	137499.63			point					0.999		2	Liquid	200B-2	UPR-200-E-116	El-s	1955	El-dn	1955							NA	No Action			El-ds	30	2010	El-s
B	1312	UPR-200-E-133		1	200	Unplanned Release	573597.94	137347.28			point					0.999		2	Liquid	200B-2	UPR-200-E-133	El-s	1955	El-dn	1955							NA	No Action			El-ds	30	2010	El-s
B	1319	UPR-200-E-140		1	200	Unplanned Release	573535.44	136479.58			point					0.999	Chemicals	4	Soil-Debris	200B-4	UPR-200-E-140	El-s	1969	El-dn	1969							2017	RTD			El-ds	30	2047	El-s
B	1339	UPR-200-E-3		1	200	Unplanned Release	573501.56	136446.05			point					0.999		2	Liquid	200B-2	UPR-200-E-3	El-s	1951	El-dn	1951							2020	No Action			El-ds	30	2050	El-s
B	1348	UPR-200-E-38		1	200	Unplanned Release	573753.69	137203.56			point					0.999		2	Liquid	200B-2	UPR-200-E-38	El-s	1968	El-dn	1968							NA	No Action			El-ds	30	2010	El-s
B	1354	UPR-200-E-43		1	200	Unplanned Release	573513.69	137514.63			point					0.999	Process Effluent	2	Liquid	200B-2	UPR-200-E-43	El-s	1969	El-dn	1969							NA	No Action			El-ds	30	2010	El-s
B	1355	UPR-200-E-44		1	200	Unplanned Release	573423.69	136422.09			point					0.999	Process Effluent	4	Liquid	200B-4	UPR-200-E-44	El-s	1972	El-dn	1972							2020	No Action			El-ds	30	2050	El-s
B	1356	UPR-200-E-45		1	200	Unplanned Release	573821.50	136442.44			point	91.4	30.5			2787.091	Process Effluent	2	Soil-Debris	200B-2	UPR-200-E-45	El-s	1969	El-dn	1969							2020	No Action			El-ds	30	2050	El-s
B	1361	UPR-200-E-50		1	200	Unplanned Release	575230.56	136925.58			point	137.2	22.9			3135.478		4	Soil-Debris	200B-4	UPR-200-E-50	El-s	1974	El-dn	1974							2018	RTD			El-ds	30	2048	El-s
B	1363	UPR-200-E-52		1	200	Unplanned Release	573596.38	136472.28			point	1.2	1.2			1.486	Process Effluent	4	Liquid	200B-4	UPR-200-E-52	El-s	1975	El-dn	1975							2018	RTD			El-ds	30	2048	El-s
B	1365	UPR-200-E-54		1	200	Unplanned Release	573370.06	136448.67			point					0.999	Water	4	Liquid	200B-4	UPR-200-E-54	El-s	1969	El-dn	1969							2018	RTD			El-ds	30	2048	El-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
B	1366	UPR-200-E-55		1	200	Unplanned Release	573371.94	136439.94			point	30.5	30.5			929.030	Chemicals	4	Soil-Debris	200B-4	UPR-200-E-55	El-s	1969	El-dn	1969							2018	RTD			El-ds	30	2048	El-s
B	1370	UPR-200-E-6	UPR-200-E-6, UN-200-E-6, Contamination Around the 241-B-153 Diversion Box	1	200	Unplanned Release	573765.94	137225.80			point					0.999	Process Effluent	2	Liquid	200B-2	UPR-200-E-6	El-s	1954	G-dn	1954							2024	ABAR2EBTF	RCRA C	RCRA C-I16	RCRA C-I16	500	2524	El-s
B	1381	UPR-200-E-7		1	200	Unplanned Release	573682.44	136647.95			point					2.787		2	Liquid	200B-2	UPR-200-E-7	El-s	1954	El-dn	1954							NA	No Action			El-ds	30	2010	El-s
B	1384	UPR-200-E-73		1	200	Unplanned Release	573763.56	137188.27			point					0.999		2	Liquid	200B-2	UPR-200-E-73	El-s	1954	El-dn	1954							NA	No Action			El-ds	30	2010	El-s
B	1385	UPR-200-E-74	UPR-200-E-74, UN-216-E-2, 241-B-152 Diversion Box Contamination, UN-200-E-	1	200	Unplanned Release	573750.19	137197.64			point					4.645	Process Effluent	2	Soil-Debris/Liquid	200B-2	UPR-200-E-74	El-s	1954	El-dn	1954							NA	No Action			El-ds	30	2010	El-s
B	1386	UPR-200-E-75	UPR-200-E-75, UN-216-E-3, 241-B-153 Diversion Box Contamination, UN-200-E-	1	200	Unplanned Release	573765.94	137225.80			point	30.5	15.2			464.515	Process Effluent	2	Liquid	200B-2	UPR-200-E-75	El-s	1954	El-dn	1954							NA	No Action			El-ds	30	2010	El-s
B	1388	UPR-200-E-77		1	200	Unplanned Release	573798.63	136448.77			point					0.999		2	Liquid	200B-2	UPR-200-E-77	El-s	1946	El-dn	1946							2020	No Action			El-ds	30	2050	El-s
B	1389	UPR-200-E-78		1	200	Unplanned Release	573675.19	136951.19			point					18.000		2	Liquid	200B-2	UPR-200-E-78	El-s	1955	El-dn	1955							2021	No Action			El-ds	30	2051	El-s
B	1390	UPR-200-E-79		1	200	Unplanned Release	573857.50	137180.38			point	61.0	7.6			464.515		2	Liquid	200B-2	UPR-200-E-79	El-s	1953	El-dn	1953							NA	No Action			El-ds	30	2010	El-s
B	1391	UPR-200-E-80		1	200	Unplanned Release	573594.44	136441.86			point	152.4	30.5			4645.152		4	Liquid	200B-4	UPR-200-E-80	El-s	1946	El-dn	1946							2020	No Action			El-ds	30	2050	El-s
B	1395	UPR-200-E-84	Release from 241-ER-151 Catch Tank	1	200	Unplanned Release	573232.88	136266.20			point					0.999		2	Liquid	200B-2	UPR-200-E-84	El-s	1953	El-dn	1953							2020	No Action			El-ds	30	2050	El-s
B	1396	UPR-200-E-85		1	200	Unplanned Release	573488.25	136443.84			point	15.2	15.2	4.6		232.258		4	Liquid	200B-4	UPR-200-E-85	El-s	1972	El-dn	1972							2020	No Action			El-ds	30	2050	El-s
B	1398	UPR-200-E-87		1	200	Unplanned Release	573439.19	136379.17			point	4.5	4.6			20.555		4	Liquid	200B-4	UPR-200-E-87	El-s	1945	El-dn	1953							2020	No Action			El-ds	30	2050	El-s
B	1401	UPR-200-E-9		1	200	Unplanned Release	573608.25	137603.31			point					925.278		2	Liquid	200B-2	UPR-200-E-9	El-s	1955	El-dn	1955							NA	No Action			El-ds	30	2010	El-s
E	3653	200-E-17	200 Area Liquid Effluent Retention Facility (LERF)	1	200	Surface Impoundment	575845.36	137131.37			polygon	102.7176	69.1896			7106.990		4	Liquid	200E-4	200-E-17	Ba-s	1994	Ba-dn	1994							2024	D&D			Ba-ds	30	2054	Ba-s
E	402	216-B-3		1	200	Pond	576898.69	136687.00	6	(576573.279,136897.929), (577146.946,136803.501), (577194.931,136563.456), (577135.474,136424.325), (576559.956,136677.447), (576573.279,136897.929)	polygon					161874.258		4	Liquid	200E-4	216-B-3	Ba-s	1945	Ba-dn	1994							2020	RTD			Ba-ds	30	2050	Ba-s
E	403	216-B-3-1		1	200	Ditch	576130.00	136830.00			line	975.4	1.8			1783.738		4	Liquid	200E-4	216-B-3-1	Ba-s	1945	Ba-dn	1964							2018	RTD			Ba-ds	30	2048	Ba-s
E	404	216-B-3-2		1	200	Ditch	576130.00	136660.00			line	1127.8	4.6	2.4		5156.119		4	Liquid	200E-4	216-B-3-2	Ba-s	1964	Ba-dn	1970							2018	RTD			Ba-ds	30	2048	Ba-s
E	405	216-B-3-3		1	200	Ditch	575824.88	136691.31			polygon	1127.8			6.1	6879.656		4	Liquid	200E-4	216-B-3-3	Ba-s	1970	Ba-dn	1994							2019	RTD			Ba-ds	30	2049	Ba-s
E	4283	216-B-3A_RAD		1	200	Pond	577255.75	136578.52	6	(577152.719,136803.501), (577348.999,136745.772), (577348.999,136347.439), (577143.097,136447.503), (577195.054,136562.962), (577152.719,136803.501)	polygon					40468.564		4	Liquid	200E-4	216-B-3A_RAD	Ba-s	1983	Ba-dn	1998							NA	No Action			Ba-ds	30	2010	Ba-s
E	4284	216-B-3B_RAD		1	200	Pond	577486.94	136462.98	5	(577352.848,136580.281), (577599.160,136574.508), (577603.00,136343.590), (577352.848,136351.288), (577352.848,136580.281)	polygon					40468.564		4	Liquid	200E-4	216-B-3B_RAD	Ba-s	1983	Ba-dn	1985							NA	No Action			Ba-ds	30	2010	Ba-s
E	4285	216-B-3C_RAD		1	200	Pond	577755.25	135957.48	5	(577579.917,136337.817), (577835.850,136337.817), (577972.477,135570.016), (577681.905,135564.243), (577579.917,136337.817)	polygon					165921.114		4	Liquid	200E-4	216-B-3C_RAD	Ba-s	1985	Ba-dn	1997							NA	No Action			Ba-ds	30	2010	Ba-s
E	3907	600-214	600 Area Purgewater Storage and Treatment Facility, MODU-Tanks, 600-	1	200	Surface Impoundment	576365.10	137417.77			polygon	121.92	60.96			7432.244	Water	4	Liquid	200E-4	600-214	Ba-s	1990	ABC	1990							2024	D&D			Ba-ds	30	2054	Ba-s
S	3797	600-148	ERDF	1	216	Landfill (Lined)	568866.06	134533.88			polygon	432.8	228.6			98941.738		4	Soil-Debris	216S-4	600-148	Rp-s	1996	Rp-dn	2014							2014	RTD			Rp-ds	30	2044	Rp-s
S	292	200-W-PP		1	200	Pond	567112.06	135927.22			polygon	182.9	15.2	6.1		2787.091		4	Liquid	200S-4	200-W-PP	Rp-s	1984	Rp-dn	1995							2015	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2515	Rp-s
S	4543	200-W-104	200-W-104, 2714-U Building UO3 Storage Warehouse	1	200	Storage	########	########								0.999		4	Soil-Debris	200S-4	200-W-104	Rp-s	1969	ABC	1969							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	Rp-s
S	3652	200-W-15	200-W-15, S-Plant Project W-087 Hexone Discovery	1	200	Unplanned Release	567305.88	133933.69			polygon	12.2	2.4			29.729	Chemical Release	4	Soil-Debris	200S-4	200-W-15	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	3746	200-W-22	203-S/204-S/205-S StabilizedArea	1	200	Unplanned Release	567287.94	134069.08				84.0	68.0			5712.000		4	Liquid	200S-4	200-W-22	Rp-s	1952	Rp-dn	1983							NA	No Action			Rp-ds	30	2010	Rp-s
S	3829	200-W-42		1	200	Radioactive Process	567616.20	134858.80			line	646.0	8.0			5168.000		4	Liquid	200S-4	200-W-42	Rp-s	1952	Rp-dn	1988							NA	No Action			Rp-ds	30	2010	Rp-s
S	3900	200-W-43		1	216	Sand Filter	567481.80	133973.40				26.0	26.0	4.0		676.000		4	Liquid/Soil-Debris	216S-4	200-W-43	Rp-s	1952	Rp-dn	1967							2024	D&D			Rp-ds	30	2054	Rp-s
S	3903	200-W-44	291-U Stack Sand Filter	1	216	Sand Filter	567688.13	135206.73			polygon	29.3	29.3	6.7		856.194		4	Liquid/Soil-Debris	216S-4	200-W-44	Rp-s	1945	Rp-dn	1991							2024	D&D			Rp-ds	30	2054	Rp-s
S	4395	200-W-69		1	200	Laboratory	567419.14	133881.97				99.9	48.7			4865.590		4	Soil-Debris	200S-4	200-W-69	Rp-s	1951	ABC	2024							2024	D&D			Rp-ds	30	2054	Rp-s
S	4432	200-W-72	200-W-72, 200-ZP-1 Pump and Treat Unplanned	1	200	Unplanned Release	########	########			point					0.999		4	Liquid	200S-4	200-W-72	Rp-s	2000	ABC	2000							NA	No Action			Rp-ds	30	2010	Rp-s
S	4442	200-W-76	Room 2B 222-S Laboratory TSD	1	200	Storage	########	########								9.990		4	Soil and Liquid	200S-4	200-W-76	Rp-s	1951	ABC	1951							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	Rp-s
S	4459	200-W-83	Contamination Area North of 2727 W	1	200	Unplanned Release	567146.08	135203.44			polygon	18.29	7.62			139.355		4	Soil-Debris	200S-4	200-W-83	Rp-s	1969	G-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	4461	200-W-85	Soil Contamination Area East of 2727 W	1	200	Unplanned Release	567281.26	135142.93			Polygon	6.10	6.10			37.161		4	Soil-Debris	200S-4	200-W-85	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	4462	200-W-86	Contamination Area Around Light Pole	1	200	Unplanned Release	567327.70	135507.22			Polygon	3.05	3.05			9.290		4	Soil-Debris	200S-4	200-W-86	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
S	4464	200-W-87	Unplanned Release on Chemical Spur Railroad Track Northwest of 221-U Plant	1	200	Unplanned Release	567478.27	135251.17			Polygon	36.58	9.14			334.451		*4*	Soil-Debris	200S-4	200-W-87	Rp-s	*1969*	Rp-dn	*1969*							*NA*	*No Action*			Rp-ds	30	2010	Rp-s
S	309	202-S		1	200	Process Unit/Plant	567379.13	133972.78			polygon	142.3	49.1	25.0		*6985.101*		4	Cement	200S-4	202-S	Rp-s	1952	ABC	1967							*2024*	*D&D*			*Rp-ds*	30	2054	Rp-s
S	310	203-S_%_205-S	203-S/204-S/205-S Stabilized Area, 203-S Uranyl Nitrate Hexahydrate Tank Farm, 204-S Tank Farm & Pumphouse, 205-S Process Vault & Chemical Makeup Building, 205-S Uranyl Nitrate Hexahydrate Processing Facility	1	200	Process Unit/Plant	567287.97	134069.07			Polygon	84.00	68.00			*5712.000*		4	Cement	200S-4	203-S_%_205-S	Rp-s	1953	ABC	1965							*NA*	No Action			*Rp-ds*	30	2010	Rp-s
S	315	207-S		1	200	Retention Basin	566978.44	133891.94			polygon	39.6	39.6			1570.061		**4**	Liquid	200S-4	207-S	Rp-s	1951	Rp-dn	1954							2013	RTD			Rp-ds	30	2043	Rp-s
S	318	207-U		1	200	Retention Basin	566973.25	135044.02			polygon	75.0	37.5	2.0		2832.800		4	Liquid	200S-4	207-U	Rp-s	1952	Rp-dn	1994							2010	RTD			Rp-ds	30	2040	Rp-s
S	319	207-Z		1	200	Retention Basin	566574.69	135522.58			polygon	15.2	12.2	3.0		*185.806*		**4**	Liquid	**200S-4**	207-Z	Rp-s	1949	Rp-dn	1959							2015	RTD			Rp-ds	30	2045	Rp-s
S	471	216-S-1%2		1	216	Crib	566979.94	134260.22			polygon	27.4	12.2	10.7		*334.451*		4	Liquid	216S-4	216-S-1%2	Rp-s	1952	Rp-dn	1956							2015	IBAR	Hanford	RCRA C-I12	RCRA C-I12	1000	3015	Rp-s
S	472	216-S-10D		1	200	Ditch	566690.80	133566.16			line	685.8	1.8			1255.010		4	Liquid	200S-4	216-S-10D	Rp-s	1951	Rp-dn	1991							2009	RTD			Rp-ds	30	2039	Rp-s
S	473	216-S-10P		1	200	Pond	566402.75	133308.63			polygon					20234.282		4	Liquid	200S-4	216-S-10P	Rp-s	1952	Rp-dn	1984							2010	RTD			Rp-ds	30	2040	Rp-s
S	474	216-S-11		1	200	Pond	566473.19	133269.56	7	(566461.594,133 334.641), (566446.744,133 160.691), (566532.447,133 142.871), (566558.327,133 197.602), (566547.720,133 338.036), (566501.899,133 350.339), (566461.594,133 334.641)	polygon	152.4	61.0	3.0		6082.827		4	Liquid	200S-4	216-S-11	Rp-s	1954	Rp-dn	1965							2014	RTD			Rp-ds	30	2044	Rp-s
S	475	216-S-12		1	200	Trench	567531.25	134120.33			point	27.4	6.1	3.0		*167.225*		4	Liquid	200S-4	216-S-12	Rp-s	1954	Rp-dn	1954							2017	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	500	2517	Rp-s
S	476	216-S-13		1	216	Crib	567154.81	134011.14			polygon	12.2	12.2	9.9		*148.645*		4	Liquid	216S-4	216-S-13	Rp-s	1952	Rp-dn	1972							2014	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	500	2514	Rp-s
S	477	216-S-14		1	216	Trench	567430.19	133541.11			polygon	30.5	2.4			*74.322*		4	Liquid	216S-4	216-S-14	Rp-s	1951	Rp-dn	1952							2014	RTD			Rp-ds	30	2044	Rp-s
S	478	216-S-15		1	200	Pond	566909.50	134468.58			point	10.7	1.5	1.5		*16.258*		4	Liquid	200S-4	216-S-15	Rp-s	1951	Rp-dn	1952							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	479	216-S-16D		1	200	Ditch	565674.00	133546.61			polygon	914.4	1.2			*1114.837*		4	Liquid	200S-4	216-S-16D	Rp-s	1957	Rp-dn	1975							2013	RTD			Rp-ds	30	2043	Rp-s
S	480	216-S-16P		1	200	Pond	565032.75	133253.53	7	(565058.497,133 309.553), (565317.076,133 306.932), (565371.238,133 047.916), (565179.051,133 041.364), (565023.990,133 123.044), (564992.104,133 225.253), (565058.497,133 309.553)	polygon					125452.550		4	Liquid	200S-4	216-S-16P	Rp-s	1957	Rp-dn	1975							2015	RTD			Rp-ds	30	2045	Rp-s
S	481	216-S-17		1	200	Pond	565991.31	133248.41	7	(566301.270,133 508.444), (566102.383,133 472.774), (565840.262,133 318.745), (565795.945,133 185.793), (566273.167,133 132.828), (566326.672,133 258.754), (566301.270,133 508.444)	polygon	292.0	292.0	3.0		84983.990		4	Liquid	200S-4	216-S-17	Rp-s	1951	Rp-dn	1954							2019	RTD			Rp-ds	30	2049	Rp-s
S	483	216-S-18		1	200	Trench	567065.88	134407.92			polygon	38.1	4.6	1.8		*174.193*		4	Liquid	200S-4	216-S-18	Rp-s	1954	Rp-dn	1954							2017	IBAR	RCRA C	RCRA C-I15	RCRA C-I15	500	2517	Rp-s
S	484	216-S-19		1	200	Pond	567692.44	133274.69	6	(567602.379,133 290.572), (567724.693,133 292.947), (567782.881,133 169.445), (567708.068,133 114.820), (567597.629,133 167.070), (567602.379,133 290.572)	polygon					14164.000		4	Liquid	200S-4	216-S-19	Rp-s	1952	Rp-dn	1984							2017	RTD			Rp-ds	30	2047	Rp-s
S	485	216-S-20		1	216	Crib	567553.69	133916.75			polygon	27.4	12.2	9.1		*334.451*		4	Liquid	216S-4	216-S-20	Rp-s	1952	Rp-dn	1972							2018	RTD			Rp-ds	30	2048	Rp-s
S	486	216-S-21		1	216	Crib	566611.38	134409.23			polygon	15.2	15.2	6.7		*232.258*		4	Liquid	216S-4	216-S-21	Rp-s	1954	Rp-dn	1970							2014	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2514	Rp-s
S	487	216-S-22		1	216	Crib	567608.44	133989.03			polygon	30.5	1.1	3.0		*32.516*		4	Liquid	216S-4	216-S-22	Rp-s	1957	Rp-dn	1967							2009	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2509	Rp-s
S	488	216-S-23		1	216	Crib	567113.63	134692.27			polygon	109.7	3.0	8.5		*334.451*		4	Liquid	216S-4	216-S-23	Rp-s	1969	Rp-dn	1972							2009	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	500	2509	Rp-s
S	489	216-S-25		1	216	Crib	566569.69	134287.22			polygon	175.3	3.0			534.192		4	Liquid	216S-4	216-S-25	Rp-s	1973	Rp-dn	1992							2018	IBAR	RCRA C	RCRA C-I11	RCRA C-I11	500	2518	Rp-s
S	490	216-S-26		1	216	Crib	567594.94	133759.81			polygon	128.0	3.0			*390.193*		4	Liquid	216S-4	216-S-26	Rp-s	1984	Rp-dn	1995							2018	RTD			Rp-ds	30	2048	Rp-s
S	491	216-S-3		1	216	Crib	566893.44	134438.06			polygon	30.5	3.0	1.8		*92.903*		4	Liquid	216S-4	216-S-3	Rp-s	1953	Rp-dn	1956							*2010*	*RTD*			*Rp-ds*	30	2040	Rp-s
S	492	216-S-4		1	216	French Drain	566549.25	134456.61			polygon		0.8	6.1	0.8	*0.456*		4	Liquid	216S-4	216-S-4	Rp-s	1953	Rp-dn	1956							2009	ABAR2W09	RCRA C	RCRA C-I19	RCRA C-I19	500	2509	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
S	493	216-S-5		1	216	Crib	566430.38	133440.17	5	(566390.601,133480.147), (566473.862,133481.228), (566474.403,133403.914), (566388.979,133404.455), (566390.601,133480.147)	polygon	64.0	64.0	4.6		*4097.024*		4	Liquid	216S-4	216-S-5	Rp-s	1954	Rp-dn	1957							2018	RTD			Rp-ds	30	2048	Rp-s
S	494	216-S-6		1	216	Crib	566216.75	133595.77	5	(566173.257,133639.100), (566271.656,133640.182), (566268.953,133556.380), (566171.094,133555.299), (566173.257,133639.100)	polygon	64.0	64.0	4.6		*4097.024*		4	Liquid	216S-4	216-S-6	Rp-s	1954	Rp-dn	1972							2019	RTD			Rp-ds	30	2049	Rp-s
S	495	216-S-7		1	216	Crib	567168.25	134176.48			polygon	30.5	15.2	6.6		*464.515*		4	Liquid	216S-4	216-S-7	Rp-s	1956	Rp-dn	1965							2015	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2515	Rp-s
S	496	216-S-8		1	216	Trench	566925.56	134222.89			polygon	30.5	18.3	7.6		*557.418*		4	Liquid	216S-4	216-S-8	Rp-s	1951	Rp-dn	1952							2015	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	500	2515	Rp-s
S	497	216-S-9		1	216	Crib	567175.94	134481.03			polygon	91.4	9.1			*836.127*		4	Liquid	216S-4	216-S-9	Rp-s	1965	Rp-dn	1969							2014	IBAR	RCRA C	RCRA C-I12	RCRA C-I12	500	2514	Rp-s
S	4013	216-SX-2		1	216	Crib	566704.13	134161.38			polygon	19.0	8.0			152.000		**2**	Liquid	**216S-2**	216-SX-2	Rp-s	1952	Rp-dn	1965							2017	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2517	Rp-s
S_U_N	536	216-U-1%2		1	216	Crib	567243.19	135001.94			polygon	23.8	8.5			*202.900*		4	Liquid	216S_U_N-4	216-U-1%2	Rp-s	1951	Rp-dn	1967							2016	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2516	Rp-s
S	537	216-U-10		1	200	Pond	566346.75	134604.44	5	(566061.531,134750.348), (566425.386,134667.838), (566414.565,134324.272), (566059.217,134329.059), (566061.531,134750.348)	polygon					121405.693		4	Liquid	200S-4	216-U-10	Rp-s	1944	Rp-dn	1985							2011	ABAR2W09	RCRA C	RCRA C-I19	RCRA C-I19	500	2511	**Rp-s**
S	538	216-U-11		1	200	Ditch	565805.94	134729.88			line	1374.6	1.5	1.8		*2094.964*		**4**	Liquid	**200S-4**	216-U-11	Rp-s	1944	Rp-dn	1957							2013	RTD			Rp-ds	30	2043	Rp-s
S	539	216-U-12		1	216	Crib	567592.31	134501.55			polygon	30.5	3.0	4.6		*92.903*		4	Liquid	216S-4	216-U-12	Rp-s	1960	Rp-dn	1988							2016	IBAR	RCRA C	RCRA C-I10	RCRA C-I10	**500**	**2516**	**Rp-s**
S	540	216-U-13		1	216	Trench	566722.63	135067.77			polygon	61.0	6.1	5.5		*371.612*		4	Liquid	216S-4	216-U-13	Rp-s	1952	Rp-dn	1956							2017	IBAR	RCRA C	RCRA C-I13	RCRA C-I13	**500**	**2517**	**Rp-s**
S	541	216-U-14		1	200	Ditch	567033.24	135347.11	7	(566420.112,134593.888), (566572.078,134673.933), (566649.051,134840.067), (566681.123,134822.748), (566611.206,134629.032), (566429.036,134554.625), (566420.112,134593.888)	line	1731.3	2.4			4224.270		4	Liquid	200S-4	216-U-14	Rp-s	1944	Rp-dn	1995							2015	RTD			Rp-ds	30	2045	Rp-s
S	542	216-U-15		1	216	Trench	567410.56	135115.97			polygon	6.1	6.1	4.6		*37.161*		4	Liquid	216S-4	216-U-15	Rp-s	1957	Rp-dn	1957							2014	IBAR	RCRA C	Hanford-I8	Hanford-I8	**500**	**2514**	**Rp-s**
S_U_S	543	216-U-16		1	216	Crib	567235.63	134861.31			polygon	79.9	58.2			*4649.054*		4	Liquid	216S_U_S-4	216-U-16	Rp-s	1984	Rp-dn	1987							2009	IBAR	RCRA C	Hanford-I15	Hanford-I15	**500**	**2509**	**Rp-s**
S	544	216-U-17		1	216	Crib	567839.38	134903.33			polygon	45.7	3.0			*139.355*		4	Liquid	216S-4	216-U-17	Rp-s	1988	Rp-dn	1994							2009	IBAR	RCRA C	Hanford-I11	Hanford-I11	**500**	**2509**	**Rp-s**
S	545	216-U-3		1	216	French Drain	566844.75	134927.89			polygon			3.6576	1.8	*2.627*	Received nitrate containing condensate from the 241-U-110-Tank.	4	Liquid	216S-4	216-U-3	Rp-s	*1946*	Rp-dn	*1975*							2018	IBAR	RCRA C	Hanford-I8	Hanford-I8	**500**	**2518**	**Rp-s**
S	546	216-U-4		1	266	Injection/Reverse Wel	567579.38	135109.22			point			22.9	0.1	*0.005*		4	Liquid	266S-4	216-U-4	Rp-s	1947	Rp-dn	1955							2018	RTD			Rp-ds	30	2048	Rp-s
S	547	216-U-4A		1	216	French Drair	567580.25	135111.05			point			2.7432	1.3	*1.318*		4	Liquid	216S-4	216-U-4A	Rp-s	1955	Rp-dn	1970							2018	RTD			Rp-ds	30	2048	Rp-s
S	548	216-U-4B		1	216	French Drair	567615.25	135121.19			point			3.048	0.9	*0.657*		4	Liquid	216S-4	216-U-4B	Rp-s	1960	Rp-dn	1970							2018	RTD			Rp-ds	30	2048	Rp-s
S	549	216-U-5		1	216	Trench	567672.94	135359.31			polygon	12.2	12.2	3.0		*148.645*		4	Liquid	216S-4	216-U-5	Rp-s	1952	Rp-dn	1952							2016	IBAR	RCRA C	Hanford-I11	Hanford-I11	**500**	**2516**	**Rp-s**
S	550	216-U-6		1	216	Trench	567624.19	135369.78			polygon	22.9	3.0			*69.677*		4	Liquid	216S-4	216-U-6	Rp-s	1952	Rp-dn	1952							2016	IBAR	RCRA C	Hanford-I10	Hanford-I10	**500**	**2516**	**Rp-s**
S	551	216-U-7		1	216	French Drair	567611.44	135203.77			point			5.1816	0.8	*0.456*		4	Liquid	216S-4	216-U-7	Rp-s	1952	Rp-dn	1957							2018	RTD			Rp-ds	30	2048	Rp-s
S	552	216-U-8		1	216	Crib	567615.94	134697.39			polygon	48.8	15.2			*743.224*		4	Liquid	216S-4	216-U-8	Rp-s	1952	Rp-dn	1960							2016	IBAR	RCRA C	Hanford-I13	Hanford-I13	**500**	**2516**	**Rp-s**
S	553	216-U-9		1	200	Ditch	565976.21	134005.69			line	1066.8	1.8			1952.240		**4**	Liquid	**200S-4**	216-U-9	Rp-s	1952	Rp-dn	1975							2016	RTD			Rp-ds	30	2046	Rp-s
S	555	216-Z-1%2		1	216	Crib	566547.38	135469.17			polygon	4.3	4.3	6.4		*18.209*		4	Liquid	216S-4	216-Z-1%2	Rp-s	1949	Rp-dn	1969							2009	ABAR2W07	Hanford	Hanford-I14	Hanford-I14	1000	3009	**Rp-s**
S	556	216-Z-10		1	266	Injection/Reverse Wel	566566.50	135897.34			point			45.7	0.2	*0.018*		4	Liquid	266S-4	216-Z-10	Rp-s	1945	Rp-dn	1945							2013	IBAR	Hanford	RCRA C-I8	RCRA C-I8	**1000**	**3013**	**Rp-s**
S	557	216-Z-11		1	200	Ditch	566628.01	135126.86		(566720,135460) , (566660,135280) , (566610,135090)	line	797.1	1.2	0.6		*971.766*		**4**	Liquid	**200S-4**	216-Z-11	Rp-s	1959	Rp-dn	1971							2018	ABAR2W10	Hanford	Hanford-I11	Hanford-I11	1000	3018	Rp-s
S	558	216-Z-12		1	216	Crib	566365.06	135422.84			polygon	91.4	6.1	5.8		*557.418*		4	Liquid	216S-4	216-Z-12	Rp-s	1959	Rp-dn	1973							2010	IBAR	Hanford	Hanford-I12	Hanford-I12	**1000**	**3010**	**Rp-s**
S	559	216-Z-13		1	216	French Drair	566498.13	135582.03			point			4.6	0.9	*0.657*		*4*	Liquid	216S-4	216-Z-13	Rp-s	1949	Rp-dn	1995							NA	No Action			Rp-ds	30	2010	Rp-s
S	560	216-Z-14		1	216	French Drair	566479.81	135583.50			point			4.6	0.9	*0.657*		4	Liquid	216S-4	216-Z-14	Rp-s	1949	Rp-dn	*1995*							NA	No Action			Rp-ds	30	2010	Rp-s
S	561	216-Z-15		1	216	French Drair	566483.38	135625.27			point			6.7	0.9	*0.657*		4	Liquid	216S-4	216-Z-15	Rp-s	1949	Rp-dn	*1995*							NA	No Action			Rp-ds	30	2010	Rp-s
S	562	216-Z-16		1	216	Crib	566430.06	135991.34			polygon	54.9	3.0	4.9		*167.225*		4	Liquid	216S-4	216-Z-16	Rp-s	1968	Rp-dn	1977							2021	IBAR	RCRA C	Hanford-I10	Hanford-I10	**500**	**2521**	**Rp-s**
S	563	216-Z-17		1	216	Trench	566603.44	135862.59			polygon	61.0	7.9	2.4		*483.096*		4	Liquid	216S-4	216-Z-17	Rp-s	1967	Rp-dn	1968							2021	IBAR	RCRA C	Hanford-I10	Hanford-I10	**500**	**2521**	**Rp-s**
S	564	216-Z-18		1	216	Crib	566440.06	135286.48			polygon	63.1	3.0	5.5		*192.309*		1	Liquid/Soil-Debris	216S-1	216-Z-18	Rp-s	1969	Rp-dn	1973							2010	IBAR	Hanford	Hanford-I15	Hanford-I15	**1000**	**3010**	**Rp-s**
S	565	216-Z-19		1	200	Ditch	566598.90	135099.69		(566720,135460) , (566640,135290) , (566590,135090)	line	842.8	1.2	0.6		*1027.508*		**4**	Liquid	**200S-4**	216-Z-19	Rp-s	1971	Rp-dn	1981							2020	ABAR2W10	Hanford	Hanford-I11	Hanford-I11	1000	3020	Rp-s
S	566	216-Z-1A		1	216	Tilefield	566549.00	135418.91			polygon	84.0	35.0	5.8		*2940.000*		1	Liquid/Soil-Debris	216S-1	216-Z-1A	Rp-s	1949	Rp-dn	1969							2010	ABAR2W07	RCRA C	Hanford-I14	Hanford-I14	500	2510	**Rp-s**

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
S	567	216-Z-1D		1	200	Ditch	566644.14	135258.09		(566560,135900) , (566600,135900) , (566610,135880) , (566610,135700) , (566700,135610) ,	line	1295.4	1.2	0.6		*1579.352*		**4**	Liquid	**200S-4**	216-Z-1D	Rp-s	1944	Rp-dn	1959							2022	ABAR2W10	Hanford	Hanford-I11	Hanford-I11	1000	3022	Rp-s
S	568	216-Z-20		1	216	Crib	566607.75	135230.80	8	(566577.112,135351.828), (566560.895,135246.419), (566544.678,134964.247), (566599.815,134957.760), (566604.680,135072.899), (566629.006,135269.122), (566625.762,135355.071), (566577.112,135351.828)	line	463.0	3.0			*1411.197*		4	Liquid	216S-4	216-Z-20	Rp-s	1981	Rp-dn	1995							2024	ABAR2W10	Hanford	Hanford-I11	Hanford-I11	1000	**3024**	**Rp-s**
S	3855	216-Z-21		1	200	Pond	566842.06	135523.36			polygon	41.6	41.6			1728.060		*4*	Liquid	200S-4	216-Z-21	Rp-s	1980	Rp-dn	1995							2018	IBAR	RCRA C	Hanford-I11	Hanford-I11	500	2518	Rp-s
S	569	216-Z-3		1	216	Crib	566576.81	135459.19			polygon	20.1	8.4	7.6	1.2	169.320		1	Liquid	216S-1	216-Z-3	Rp-s	1952	Rp-dn	1959							2010	ABAR2W07	RCRA C	Hanford-I14	Hanford-I14	500	2510	Rp-s
S	570	216-Z-4		1	216	Trench	566586.31	135920.70			polygon	3.0	3.0	4.6		*9.290*		4	Liquid	216S-4	216-Z-4	Rp-s	1945	Rp-dn	1945							2013	IBAR	RCRA C	Hanford-I9	Hanford-I9	500	2513	Rp-s
S	571	216-Z-5		1	216	Crib	566555.19	135949.22			polygon	4.3	4.3	5.5		*18.209*		4	Liquid	216S-4	216-Z-5	Rp-s	1945	Rp-dn	1947							2013	IBAR	Hanford	Hanford-I10	Hanford-I10	1000	3013	Rp-s
S	572	216-Z-6		1	216	Crib	566579.06	135875.77			polygon	15.8	2.6	2.4		*41.063*		4	Liquid	216S-4	216-Z-6	Rp-s	1945	Rp-dn	1945							2013	IBAR	RCRA C	Hanford-I8	Hanford-I8	500	2513	Rp-s
S	573	216-Z-7		1	216	Crib	566700.56	135926.88			polygon	64.0	13.4	2.1		*858.424*		1	Liquid	216S-1	216-Z-7	Rp-s	1947	Rp-dn	1967							2021	IBAR	Hanford	Hanford-I12	Hanford-I12	1000	3021	Rp-s
S	574	216-Z-8		1	216	French Drair	566654.19	135652.75			point			4.572	0.9	*0.657*		4	Liquid	216S-4	216-Z-8	Rp-s	1955	Rp-dn	1962							2013	IBAR	Hanford	Hanford-I5	Hanford-I5	1000	3013	Rp-s
S_Z9	575	216-Z-9		1	216	Trench	566758.00	135610.58			polygon	36.6	27.4	6.4		*1003.353*		1	Liquid/Soil-Debris	216S_Z9-1	216-Z-9	Rp-s	1955	Rp-dn	1962	1978	RTD		1978	RTD		2011	IBAR	Hanford	Hanford-I12	Hanford-I12	1000	3011	Rp-s
S	605	218-W-4C		1	216	Burial Grounc	566458.06	135086.13			polygon	774.1	299.5			231885.890		4	Soil-Debris/Cement	216S-4	218-W-4C	Rp-s	1974	Rp-dn	*2010*							2020	IBAR	RCRA C	Hanford-I19	Hanford-I19	500	2520	Rp-s
S	627	221-U		1	200	Process Unit/Plant	567558.63	135170.69			polygon	246.9	20.1	23.5		*4966.597*		4	Cement	200S-4	221-U	Rp-s	1952	ABC	1958							*2024*	*IBAR*	RCRA C	*Hanford-I13*	*Hanford-I13*	500	2524	Rp-s
S	628	222-SD		1	200	Storage	567408.31	133903.72			polygon	5.8	4.9	2.62128		27.840		*4*	Soil-Debris	200S-4	222-SD	Rp-s	1951	ABC	*2024*							*2024*	*IBAR*	RCRA C	*Hanford-I8*	Hanford-I8	500	2524	Rp-s
S	9904	224-U		1	200	Process Unit/Plant	567549.91	135056.69				60.0	18.3			1097.530		*4*	Cement	200S-4	224-U	Rp-s	1952	ABC	1991							*2024*	*IBAR*	RCRA C	*Hanford-I12*	*Hanford-I12*	500	2524	Rp-s
S	9905	231-Z		1	200	Process Unit/Plant	566483.40	135886.49			polygon	83.8	58.7			4916.960		***4***	Cement	**200S-4**	231-Z	**Rp-s**	1945	**ABC**	*2024*							*2024*	*IBAR*	RCRA C	*Hanford-I15*	*Hanford-I15*	500	2524	Rp-s
S	634	232-Z	232-Z Waste Incinerator Facility	1	200	Process Unit/Plant	566447.49	135568.51			polygon	17.4	11.3	5.8		*195.934*		***4***	Cement	**200S-4**	232-Z	**Rp-s**	1959	**ABC**	1976							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	635	233-S	233-S Plutonium Concentration Facility	1	200	Process Unit/Plant	567343.87	134010.74			polygon	26.2	11.3	9.8		*295.649*		***4***	Cement	**200S-4**	233-S	**Rp-s**	1952	**ABC**	1967							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	9906	234-5Z		1	200	Process Unit/Plant	566472.83	135657.23			polygon	150.0	53.5			8025.000		*4*	Cement	200S-4	234-5Z	Rp-s	1949	ABC	*2024*							*2024*	*IBAR*	RCRA C	*Hanford-I15*	*Hanford-I15*	500	2524	Rp-s
S	807	241-S-101		1	241	Single-Shell Tanl	566835.13	134503.05			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-101	Rp-s	1953	G-dn	1980							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	808	241-S-102		1	241	Single-Shell Tanl	566804.06	134502.97			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-102	Rp-s	1953	G-dn	1980							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	809	241-S-103		1	241	Single-Shell Tanl	566772.94	134502.89			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-103	Rp-s	1953	G-dn	1980							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	810	241-S-104		1	241	Single-Shell Tanl	566835.19	134471.95			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-104	Rp-s	1953	G-dn	1968							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	811	241-S-105		1	241	Single-Shell Tanl	566804.13	134471.89			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-105	Rp-s	1953	G-dn	1976							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	812	241-S-106		1	241	Single-Shell Tanl	566773.06	134471.81			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-106	Rp-s	1953	G-dn	1976							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	813	241-S-107		1	241	Single-Shell Tanl	566835.31	134440.88			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-107	Rp-s	1952	G-dn	1980							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	814	241-S-108		1	241	Single-Shell Tanl	566804.19	134440.80			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-108	Rp-s	1952	G-dn	1979							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	815	241-S-109		1	241	Single-Shell Tanl	566773.13	134440.72			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-109	Rp-s	1952	G-dn	1979							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	816	241-S-110		1	241	Single-Shell Tanl	566835.38	134409.78			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-110	Rp-s	1952	G-dn	1976							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	817	241-S-111		1	241	Single-Shell Tanl	566804.31	134409.72			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-111	Rp-s	1952	G-dn	1972							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	818	241-S-112		1	241	Single-Shell Tanl	566773.19	134409.64			polygon			13.185648	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-S-112	Rp-s	1952	G-dn	1974							*2024*	*ABAR2WSTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	824	241-SX-101		1	241	Single-Shell Tank	566835.63	134297.64			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and ion exchange waste, evaporator bottoms, partial neutralization feed, and complexed waste	3	Liquid/Salt Cake	241S-3	241-SX-101	Rp-s	1954	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	825	241-SX-102		1	241	Single-Shell Tank	566804.56	134297.56			polygon			15.3924	22.9	*410.433*	REDOX high-level waste, carbonate waste, concrete, ion exchange waste, evaporator bottoms, and partial neutralization feed	2	Liquid/Salt Cake	241S-2	241-SX-102	Rp-s	1954	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	826	241-SX-103		1	241	Single-Shell Tank	566773.50	134297.48			polygon			15.3924	22.9	*410.433*	REDOX high-level waste, concrete, coating waste, evaporator bottoms, organic wash waste, and partial neutralization feed	2	Liquid/Salt Cake	241S-2	241-SX-103	Rp-s	1954	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	827	241-SX-104		1	241	Single-Shell Tank	566835.75	134266.56			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and ion exchange waste, double-shell slurry feed, and evaporator bottoms.	2	Liquid/Salt Cake	241S-2	241-SX-104	Rp-s	1955	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	828	241-SX-105		1	241	Single-Shell Tank	566804.63	134266.48			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and ion exchange waste, double-shell slurry feed, evaporator bottoms, and partial neutralization feed	2	Liquid/Salt Cake	241S-2	241-SX-105	Rp-s	1955	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	829	241-SX-106		1	241	Single-Shell Tank	566773.56	134266.41			polygon			15.3924	22.9	*410.433*	Hanford laboratory waste, Pacific Northwest Laboratory waste, REDOX and waste fractionization ion exchange waste, evaporator bottoms, B Plant low level waste, PUREX low level waste, coating waste, and partial neutralization feed	2	Liquid/Salt Cake	241S-2	241-SX-106	Rp-s	1954	G-dn	1980							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	830	241-SX-107		1	241	Single-Shell Tank	566835.81	134235.47			polygon			15.3924	22.9	*410.433*	Coating waste and REDOX high-level waste	2	Liquid/Salt Cake	241S-2	241-SX-107	Rp-s	1956	G-dn	1964							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	831	241-SX-108		1	241	Single-Shell Tank	566804.75	134235.41			polygon			15.3924	22.9	*410.433*	REDOX high-level waste, concrete, and supernatant containing REDOX high-level waste	2	Liquid/Salt Cake	241S-2	241-SX-108	Rp-s	1955	G-dn	1962							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
S	832	241-SX-109		1	241	Single-Shell Tank	566773.63	134235.33			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and supernatant containing REDOX high-level waste	2	Liquid/Salt Cake	241S-2	241-SX-109	Rp-s	1955	G-dn	1965							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	833	241-SX-110		1	241	Single-Shell Tank	566835.88	134204.39			polygon			15.3924	22.9	*410.433*	REDOX high-level waste, concrete, Pacific Northwest Laboratory waste, B Plant low-level waste, ion exchange waste, evaporator bottoms, and 224-U waste	2	Liquid/Salt Cake	241S-2	241-SX-110	Rp-s	1960	G-dn	1976							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	834	241-SX-111		1	241	Single-Shell Tank	566804.81	134204.31			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and supernatant containing REDOX high-level waste and REDOX ion exchange	2	Liquid/Salt Cake	241S-2	241-SX-111	Rp-s	1956	G-dn	1974							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	835	241-SX-112		1	241	Single-Shell Tank	566773.69	134204.23			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and supernatant containing REDOX high-level waste	2	Liquid/Salt Cake	241S-2	241-SX-112	Rp-s	1956	G-dn	1969							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	836	241-SX-113		1	241	Single-Shell Tank	566835.94	134173.31			polygon			15.3924	22.9	*410.433*	REDOX high-level waste. Diatomaceous earth	2	Liquid/Salt Cake	241S-2	241-SX-113	Rp-s	1958	G-dn	1962							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	837	241-SX-114		1	241	Single-Shell Tank	566804.88	134173.23			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and ion exchange waste, and evaporator bottoms	2	Liquid/Salt Cake	241S-2	241-SX-114	Rp-s	1957	G-dn	1972							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	838	241-SX-115		1	241	Single-Shell Tank	566773.81	134173.16			polygon			15.3924	22.9	*410.433*	REDOX high-level waste and supernatant containing REDOX high-level waste	2	Liquid/Salt Cake	241S-2	241-SX-115	Rp-s	1958	G-dn	1965							*2024*	*ABAR2WSXTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	822	241-SX-401	241-SX-401 Condenser Shielding Building	1	200	Process Unit/Plant	566731.86	134270.81			polygon	11.0	7.3	2.1		*80.300*		**4**	Cement	**200S-4**	241-SX-401	**Rp-s**	1954	**ABC**	1975							*2018*	*RTD*			Rp-ds	30	2048	Rp-s
S	823	241-SX-402	241-SX-402 Condenser Shielding Building	1	200	Process Unit/Plant	566731.88	134244.87			polygon	11.0	7.3	2.1		*80.300*		**4**	Cement	**200S-4**	241-SX-402	**Rp-s**	1954	**ABC**	1975							*2018*	*RTD*			Rp-ds	30	2048	Rp-s
S	841	241-SY-101		1	241	Double-Shell Tank	566899.00	134557.75			polygon			16.383	22.9	*410.433*	Double-shell slurry, and radioactive mixed waste	2	Salt Cake	241S-2	241-SY-101	Rp-s	1977	G-dn	*2024*							*2024*	*ABAR2WSYTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rp-s
S	842	241-SY-102		1	241	Double-Shell Tank	566866.38	134557.67			polygon			16.383	22.9	*410.433*	Supernatant containing partial neutralization feed, double-shell slurry feed, double-shell slurry, and noncomplexed wastes	2	Salt Cake	241S-2	241-SY-102	Rp-s	1977	G-dn	*2024*							*2024*	*ABAR2WSYTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rp-s
S	843	241-SY-103		1	241	Double-Shell Tank	566899.06	134525.14			polygon			16.383	22.9	*410.433*	Supernatant containing complexed waste and double-shell slurry	3	Salt Cake	241S-3	241-SY-103	Rp-s	1977	G-dn	*2024*							*2024*	*ABAR2WSYTF*	RCRA C	*Hanford-I14*	Hanford-I14	500	2524	Rp-s
S	915	241-U-101		1	241	Single-Shell Tank	566842.00	135103.88			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-101	Rp-s	1946	G-dn	1959							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	916	241-U-102		1	241	Single-Shell Tank	566811.56	135103.80			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-102	Rp-s	1946	G-dn	1976							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	917	241-U-103		1	241	Single-Shell Tank	566781.06	135103.72			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-103	Rp-s	1947	G-dn	1978							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	918	241-U-104		1	241	Single-Shell Tank	566842.13	135073.41			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-104	Rp-s	1947	G-dn	1961							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	919	241-U-105		1	241	Single-Shell Tank	566811.63	135073.33			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-105	Rp-s	1947	G-dn	1978							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	920	241-U-106		1	241	Single-Shell Tank	566781.13	135073.25			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-106	Rp-s	1948	G-dn	1977							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	921	241-U-107		1	241	Single-Shell Tank	566842.19	135042.92			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-107	Rp-s	1948	G-dn	1980							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	922	241-U-108		1	241	Single-Shell Tank	566811.69	135042.84			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-108	Rp-s	1949	G-dn	1979							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	923	241-U-109		1	241	Single-Shell Tank	566781.25	135042.77			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-109	Rp-s	1949	G-dn	1980							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	924	241-U-110		1	241	Single-Shell Tank	566842.25	135012.45			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-110	Rp-s	1946	G-dn	1975							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	925	241-U-111		1	241	Single-Shell Tank	566811.75	135012.38			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-111	Rp-s	1947	G-dn	1980							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	926	241-U-112		1	241	Single-Shell Tank	566781.31	135012.30			polygon			11.7348	22.9	*410.433*		2	Liquid/Salt Cake	241S-2	241-U-112	Rp-s	1947	G-dn	1975							*2024*	*ABAR2WUTF*	RCRA C	*Hanford-I16*	Hanford-I16	500	2524	Rp-s
S	927	241-U-201		1	241	Single-Shell Tank	566752.25	135050.31			polygon			11.548872	6.1	*29.186*		2	Liquid/Salt Cake	241S-2	241-U-201	Rp-s	1956	G-dn	1977							*2024*	*ABAR2WU2TF*	RCRA C	*Hanford-I12*	*Hanford-I12*	500	2524	Rp-s
S	928	241-U-202		1	241	Single-Shell Tank	566752.31	135035.09			polygon			11.548872	6.1	*29.186*		2	Liquid/Salt Cake	241S-2	241-U-202	Rp-s	1956	G-dn	1978							*2024*	*ABAR2WU2TF*	RCRA C	*Hanford-I12*	*Hanford-I12*	500	2524	Rp-s
S	929	241-U-203		1	241	Single-Shell Tank	566752.31	135019.84			polygon			11.5	6.1	*29.186*		2	Liquid/Salt Cake	241S-2	241-U-203	Rp-s	1956	G-dn	1977							*2024*	*ABAR2WU2TF*	RCRA C	*Hanford-I12*	*Hanford-I12*	500	2524	Rp-s
S	930	241-U-204		1	241	Single-Shell Tank	566752.38	135004.61			polygon			11.5	6.1	*29.186*		2	Liquid/Salt Cake	241S-2	241-U-204	Rp-s	1954	G-dn	1978							*2024*	*ABAR2WU2TF*	RCRA C	*Hanford-I12*	*Hanford-I12*	500	2524	Rp-s
S	910	241-U-361		1	241	Settling Tank	567297.13	135008.25			point			7.6	6.1	*29.186*		2	Liquid	241S-2	241-U-361	Rp-s	1951	G-dn	1957							2016	RTD			Rp-ds	30	2046	Rp-s
S	937	241-WR-VAULT		1	241	Receiving Vault	567691.31	135305.16			polygon	39.0	20.1	13.7		*784.845*		2	Liquid	241S-2	241-WR-VAULT	Rp-s	1952	G-dn	1976							2019	RTD			Rp-ds	30	2049	Rp-s
S	938	241-Z-361		1	241	Settling Tank	566547.75	135514.86			point	8.5	4.6	6.4		*39.019*		**4**	Liquid	**241S-4**	241-Z-361	Rp-s	1949	G-dn	1976							2011	RTD			Rp-ds	30	2041	Rp-s
S	1731	241-Z-8		1	241	Settling Tank	566638.94	135652.72			point	12.2			2.4	*4.670*		**4**	Liquid	**241S-4**	241-Z-8	Rp-s	1955	G-dn	1962							NA	No Action			Rp-ds	30	2010	Rp-s
S	1003	2711-S	2711-S Stack Monitoring Building	1	200	Process Unit/Plant	567536.33	134034.35			polygon	4.3	3.8	2.4		16.260		4	Cement	200S-4	2711-S	Rp-s	1952	ABC	*1952*							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1006	2718-S	2718-S Sand Filter Monitor	1	200	Process Unit/Plant	567466.28	133965.99			polygon	4.3	3.8	2.4		16.260		4	Cement	200S-4	2718-S	Rp-s	1952	ABC	*1952*							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1008	276-S	276-S Solvent Handling Facility	1	200	Process Unit/Plant	567283.91	134011.97			polygon	17.7	13.1	10.7		*231.785*		4	Cement	200S-4	276-S	Rp-s	1952	ABC	1967							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1011	276-U		1	200	Process Unit/Plant	567470.94	135066.92			polygon	20.1	16.5	2.4		330.800		4	Cement	200S-4	276-U	Rp-s	1952	ABC	1957							*2024*	*IBAR*	RCRA C	*Hanford-I11*	Hanford-I11	500	2524	Rp-s
S	1015	2904-SA	2904-SA Cooling Water Sampler Building	1	200	Process Unit/Plant	567261.67	133946.03			polygon	2.4	2.4	2.1		*5.954*		**4**	Cement	200S-4	2904-SA	Rp-s	1956	ABC	1976							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1019	291-S-1		1	200	Stack	567531.56	134029.64			polygon	61.0			4.3	14.301		4	Atmosphere	200S-4	291-S-1	Rp-s	1952	ABC	*2014*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1020	291-U	291-U Fan Control House	1	200	Process Unit/Plant	567675.67	135181.27			Polygon	5.79	5.49	4.27		31.866		4	Cement	200S-4	291-U	Rp-s	1945	ABC	*1945*							*NA*	*No Action*			*Rp-ds*		2010	Rp-s
S	1021	291-U-1	291-U-1 Stack, 291-U Stack	1	200	Stack	567659.06	135173.77			Polygon			60.96	4.27	14.301		4	Atmosphere	200S-4	291-U-1	Rp-s	1945	Rp-dn	*1945*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1022	292-S	292-S Fan and Filter Building	1	200	Process Unit/Plant	567531.78	134003.61			Polygon	8.23	4.27			35.117		4	Cement	200S-4	292-S	Rp-s	1952	ABC	1967							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1023	293-S	293-S Offgas Treatment Facility, 293-S Off Gas Treatment, 293-S Off-Gas Treatment and Recovery	1	200	Process Unit/Plant	567521.27	133989.41			Polygon	8.84	4.88			43.107		4	Cement	200S-4	293-S	Rp-s	1958	ABC	1967							*2024*	*D&D*			Rp-ds	30	2054	Rp-s
S	1024	296-S-1		1	200	Stack	567432.44	133963.16			point	19.5			0.4	0.100		**4**	Atmosphere	**200S-4**	296-S-1	Rp-s	1950	ABC	1976							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1025	296-S-12		1	200	Stack	567288.88	134014.39			point	1.1	1.1			1.124		**4**	Atmosphere	**200S-4**	296-S-12	Rp-s	*1952*	ABC	*2014*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1026	296-S-13		1	200	Stack	567463.56	133879.77			point					1.124		**4**	Atmosphere	**200S-4**	296-S-13	Rp-s	*1952*	ABC	*2014*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1027	296-S-16		1	200	Stack	567474.31	133926.13			point					1.124		**4**	Atmosphere	**200S-4**	296-S-16	Rp-s	*1952*	ABC	*2014*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1029	296-S-21		1	200	Stack	567451.00	133838.22			point					1.124		**4**	Atmosphere	**200S-4**	296-S-21	Rp-s	*1952*	ABC	*2014*							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1033	296-U-10		1	200	Stack	567523.69	135197.77			point	3.0			7.3	42.028		**4**	Atmosphere	**200S-4**	296-U-10	Rp-s	*1952*	ABC	1976							*2014*	*RTD*			*Rp-ds*	30	2044	Rp-s
S	1412	UPR-200-W-10	UPR-200-W-10, UN-200-W-10, Contamination Spread at 203-S UNH Tanks	1	200	Unplanned Release	566773.44	134281.44			point					*0.999*	Soil	4	Soil-Debris/Liquid+AH1090	200S-4	UPR-200-W-10	Rp-s	1952	Rp-dn	1952							*NA*	*No Action*			Rp-ds	30	2010	Rp-s
S	1414	UPR-200-W-101	221-U Acid Spill R-1 through R-5	1	200	Unplanned Release	567558.63	135170.69			line	27.4	19.8			543.483	Reclaimed acid	4	Liquid	200S-4	UPR-200-W-101	Rp-s	1957	Rp-dn	1957							2019	RTD			Rp-ds	30	2049	Rp-s
S	1416	UPR-200-W-103	UPR-200-W-103, 216-Z-18 Line Break, UN-216-W-13, UN-200-W-103, Pipe Line Leak	1	200	Unplanned Release	566532.31	135576.33			point	7.6	1.8	2.1		13.935	Process Effluent	4	Liquid	200S-4	UPR-200-W-103	Rp-s	1971	Rp-dn	1971							NA	No Action			Rp-ds	30	2010	Rp-s
S	1420	UPR-200-W-107		1	200	Unplanned Release	566215.13	134432.63			point					*0.999*		*4*	Liquid	200S-4	UPR-200-W-107	Rp-s	1952	Rp-dn	1957							NA	No Action			Rp-ds	30	2010	Rp-s
S	1421	UPR-200-W-108		1	200	Unplanned Release	567186.38	134413.61			point			6.1		*0.999*		4	Liquid	200S-4	UPR-200-W-108	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1422	UPR-200-W-109		1	200	Unplanned Release	567201.88	134306.05			point					*0.999*	Process Effluent	**4**	Liquid	**200S-4**	UPR-200-W-109	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1429	UPR-200-W-115		1	200	Unplanned Release	566825.00	134800.00			line	365.8	6.1			2229.673		*4*	Liquid	200S-4	UPR-200-W-115	Rp-s	*1980*	Rp-dn	*1980*							2021	No Action			Rp-ds	30	2051	Rp-s
S	1438	UPR-200-W-127		1	200	Unplanned Release	566862.19	134647.58			point					*0.999*		*4*	Liquid	200S-4	UPR-200-W-127	Rp-s	1980	Rp-dn	1980							2019	RTD			Rp-ds	30	2049	Rp-s
S	1439	UPR-200-W-128		1	200	Unplanned Release	566780.63	135103.97			point					*0.999*		*4*	Liquid	200S-4	UPR-200-W-128	Rp-s	1971	Rp-dn	1971							*NA*	*No Action*			Rp-ds	30	2010	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
S	1441	UPR-200-W-13	Liquid Release from REDOX to 207-S and 216-S-	1	200	Unplanned Release	566978.75	133894.73			polygon	39.6	39.6			1570.061		4	Liquid	200S-4	UPR-200-W-13	Rp-s	1952	Rp-dn	1952							NA	No Action			Rp-ds	30	2010	Rp-s
S	1442	UPR-200-W-130		1	200	Unplanned Release	566553.13	135896.63			point					0.999		4	Liquid	200S-4	UPR-200-W-130	Rp-s	1967	Rp-dn	1967							NA	No Action			Rp-ds	30	2010	Rp-s
S	1444	UPR-200-W-132		1	200	Unplanned Release	566836.13	135155.08			point					52.955		2	Liquid	200S-2	UPR-200-W-132	Rp-s	1956	Rp-dn	1956							NA	No Action			Rp-ds	30	2010	Rp-s
S	1448	UPR-200-W-138		1	200	Unplanned Release	567603.00	135235.05			point					0.456		4	Liquid	200S-4	UPR-200-W-138	Rp-s	1953	Rp-dn	1953							NA	No Action			Rp-ds	30	2010	Rp-s
S	1449	UPR-200-W-139	Liquid Release to the 216-U-9 ditch	1	200	Unplanned Release	565976.21	134005.69			line	1066.8	1.8			1952.240		4	Liquid	200S-4	UPR-200-W-139	Rp-s	1953	Rp-dn	1954							NA	No Action			Rp-ds	30	2010	Rp-s
S	1461	UPR-200-W-15		1	200	Unplanned Release	566975.50	133893.39			polygon	39.6	39.6			1570.061		4	Liquid	200S-4	UPR-200-W-15	Rp-s	1952	Rp-dn	1952							NA	No Action			Rp-ds	30	2010	Rp-s
S	1471	UPR-200-W-159		1	200	Unplanned Release	566382.94	135563.72			point					0.999		4	Liquid	200S-4	UPR-200-W-159	Rp-s	1985	Rp-dn	1985							2019	RTD			Rp-ds	30	2049	Rp-s
S	1476	UPR-200-W-163	Contaminated vegetation a the 216-U-8 Pipeline	1	200	Unplanned Release	567615.44	134842.23			line					4046.856		4	Liquid	200S-4	UPR-200-W-163	Rp-s	1952	Rp-dn	1995							NA	No Action			Rp-ds	30	2010	Rp-s
S	1477	UPR-200-W-164		1	200	Unplanned Release	567223.06	134406.94			polygon					283.280	Soil	4	Soil-Debris/Liquid	200S-4	UPR-200-W-164	Rp-s	1952	Rp-dn	1967							2021	No Action			Rp-ds	30	2051	Rp-s
S	1483	UPR-200-W-19		1	200	Unplanned Release	567280.38	134983.83			point					4.645		2	Liquid	200S-2	UPR-200-W-19	Rp-s	1953	Rp-dn	1953							NA	No Action			Rp-ds	30	2010	Rp-s
S	1485	UPR-200-W-20		1	200	Unplanned Release	566913.50	134314.91			point					92.903		2	Liquid	200S-2	UPR-200-W-20	Rp-s	1953	Rp-dn	1953							NA	No Action			Rp-ds	30	2010	Rp-s
S	1488	UPR-200-W-24	Release from 244-UR Vault	1	200	Unplanned Release	566801.44	135162.55			point	305.0	150.0			45750.000		2	Liquid	200S-2	UPR-200-W-24	Rp-s	1953	Rp-dn	1953							NA	No Action			Rp-ds	30	2010	Rp-s
S	1495	UPR-200-W-32		1	200	Unplanned Release	567239.88	134136.16			point					0.999		4	Liquid	200S-4	UPR-200-W-32	Rp-s	1954	Rp-dn	1954							2022	No Action			Rp-ds	30	2052	Rp-s
S	1496	UPR-200-W-33		1	200	Unplanned Release	567584.94	135060.77			point	4.5	3.0			13.500		2	Liquid	200S-2	UPR-200-W-33	Rp-s	1955	Rp-dn	1955							2022	No Action			Rp-ds	30	2052	Rp-s
S	1498	UPR-200-W-35	REDOX to 224-U UNH Line Leak	1	200	Unplanned Release	567230.56	134152.64			point					0.999		4	Liquid	200S-4	UPR-200-W-35	Rp-s	1955	Rp-dn	1955							2022	No Action			Rp-ds	30	2052	Rp-s
S	1502	UPR-200-W-39		1	200	Unplanned Release	567555.13	135016.72			point	15.2	3.0			46.452		4	Liquid	200S-4	UPR-200-W-39	Rp-s	1954	Rp-dn	1954							NA	No Action			Rp-ds	30	2010	Rp-s
S	1513	UPR-200-W-49		1	200	Unplanned Release	566871.88	134153.03			polygon					464.515		2	Liquid	200S-2	UPR-200-W-49	Rp-s	1958	Rp-dn	1958							2022	No Action			Rp-ds	30	2052	Rp-s
S	1516	UPR-200-W-51	Release from 241-S Diversion Box	1	200	Unplanned Release	566864.88	134257.25			polygon	17.1	7.2	5.5		122.260		2	Soil-Debris/Liquid	200S-2	UPR-200-W-51	Rp-s	1958	Rp-dn	1958							NA	No Action			Rp-ds	30	2010	Rp-s
S	1517	UPR-200-W-52		1	200	Unplanned Release	566944.94	133852.20			point					0.999	Process Effluent	2	Soil-Debris/Liquid	200S-2	UPR-200-W-52	Rp-s	1958	Rp-dn	1958							NA	No Action			Rp-ds	30	2010	Rp-s
S	1519	UPR-200-W-55		1	200	Unplanned Release	567546.38	135081.89			point					0.999	Chemicals	4	Soil-Debris	200S-4	UPR-200-W-55	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1523	UPR-200-W-59	Contaminated liquid Release to 216-S-16P	1	200	Unplanned Release	565030.88	133276.78			polygon					125452.550		4	Liquid	200S-4	UPR-200-W-59	Rp-s	1965	Rp-dn	1965							NA	No Action			Rp-ds	30	2010	Rp-s
S	1524	UPR-200-W-6	UPR-200-W-6, UN-200-W-6, Contamination Spread from 241-U-151 and 241-U-152 Diversion Boxes	1	200	Unplanned Release	566917.44	134990.81			point					0.999	Process Effluent	2	Soil-Debris	200S-2	UPR-200-W-6	Rp-s	1950	Rp-dn	1950							2022	No Action			Rp-ds	30	2052	Rp-s
S	1526	UPR-200-W-61		1	200	Unplanned Release	567307.25	133965.67			point					18.581		4	Liquid	200S-4	UPR-200-W-61	Rp-s	1966	Rp-dn	1966							NA	No Action			Rp-ds	30	2010	Rp-s
S	1532	UPR-200-W-68		1	200	Unplanned Release	566091.88	134371.38			point	30.48				99.900	Chemicals	4	Liquid	200S-4	UPR-200-W-68	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1533	UPR-200-W-69		1	200	Unplanned Release	567276.56	134087.48			point					0.999	Chemicals	4	Liquid	200S-4	UPR-200-W-69	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1536	UPR-200-W-71	UPR-200-W-71, UN-200-W-71, Contamination Spread along 16th Street	1	200	Unplanned Release	########	########			line					99.900	Chemicals	2	Liquid	200S-2	UPR-200-W-71	Rp-s	1974	Rp-dn	1974							NA	No Action			Rp-ds	30	2010	Rp-s
S	1539	UPR-200-W-74		1	200	Unplanned Release	566604.06	135530.73			point					0.010		4	Liquid	200S-4	UPR-200-W-74	Rp-s	1976	Rp-dn	1976							NA	No Action			Rp-ds	30	2010	Rp-s
S	1540	UPR-200-W-75		1	200	Unplanned Release	566522.25	135524.03			point	21.3	21.3			455.225	Chemicals	2	Soil-Debris	200S-2	UPR-200-W-75	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1543	UPR-200-W-78		1	200	Unplanned Release	567478.44	134999.56			point					3.716	Chemicals	4	Soil-Debris	200S-4	UPR-200-W-78	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1544	UPR-200-W-79		1	200	Unplanned Release	566523.13	135529.55			polygon	3.048	3.048			9.290	Process Effluent	4	Liquid	200S-4	UPR-200-W-79	Rp-s	1978	Rp-dn	1978							2022	No Action			Rp-ds	30	2052	Rp-s
S	1545	UPR-200-W-8	U-Plant Burning Pit/Burial Ground	1	200	Unplanned Release	567819.00	135066.20			polygon	129.5	30.5			3948.379		4	Soil-Debris/Liquid+AH738	200S-4	UPR-200-W-8	Rp-s	1950	Rp-dn	1950							NA	No Action			Rp-ds	30	2010	Rp-s
S	1548	UPR-200-W-82		1	200	Unplanned Release	566901.31	134342.63			point					0.999		2	Liquid	200S-2	UPR-200-W-82	Rp-s	1980	Rp-dn	1980							NA	No Action			Rp-ds	30	2010	Rp-s
S	1549	UPR-200-W-83	UPR-200-W-83, Radioactive Spill Near 204-S Radiation Zone, UN-216-W-82, UN-200-W-83	1	200	Unplanned Release	567272.00	134087.47			point					0.999	Chemicals	4	Soil-Debris	200S-4	UPR-200-W-83	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1553	UPR-200-W-87	UPR-200-W-87, UN-216-W-87, Radioactive Spill from Filter Housing, UN-200-W-	1	200	Unplanned Release	567474.13	133924.58			point					2.787	Chemicals	4	Liquid	200S-4	UPR-200-W-87	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1556	UPR-200-W-90	UPR-200-W-90, Radioactive Contamination South of 236-Z Building, UN-216-N-90, UN-200-W-90	1	200	Unplanned Release	566539.00	135574.03			point					6.503	Chemicals	4	Soil-Debris	200S-4	UPR-200-W-90	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
S	1558	UPR-200-W-95		1	200	Unplanned Release	566978.38	133891.88			polygon	39.6	39.6			1570.061		4	Liquid	200S-4	UPR-200-W-95	Rp-s	1951	Rp-dn	1954							NA	No Action			Rp-ds	30	2010	Rp-s
S	1559	UPR-200-W-96		1	200	Unplanned Release	567328.50	134015.98			point					125.419		4	Liquid	200S-4	UPR-200-W-96	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
T	3927	600-211	SALDS	1	216	Drain/Tile Field	566437.63	138090.11			line	61.0	35.4			2155.351		4	Liquid	216T-4	600-211	Rp-s	1995	Rp-dn	2028							2028	IBAR	RCRA C	Hanford-I14	Hanford-I14	500	2528	Rp-s
T	3726	200-W-20	200-W-20, T Plant Complex	1	200	Process Unit/Plant	########	########								999.000	Process Effluent	4	Liquid	200T-4	200-W-20	Rp-s	1969	Rp-dn	1969							2024	D&D			Rp-ds	30	2054	Rp-s
T	3823	200-W-40	200-W-40, 292-T, Emission Control Lab, Stack Gas Sampling Building	1	200	Laboratory	567654.94	136838.41			polygon	15.2	7.0			106.838	Building , equipment, underground lines	4	Soil-Debris	200T-4	200-W-40	Rp-s	1944	G-dn	1990							2040	D&D			Rp-ds	30	2070	Rp-s
T	3905	200-W-45	200-W-45, 291-T Sand Filter, T Plant Stack Sand	1	216	Sand Filter	567690.60	136911.80				33.5	15.2	4.9		510.967		4	Liquid/Soil-Debris	216T-4	200-W-45	Rp-s	1949	Rp-dn	1979							2040	D&D			Rp-ds	30	2070	Rp-s
T	4006	200-W-52	216-T-7 Crib, 241-T-3 Crib	1	216	Crib	566741.30	136656.90				3.7	3.7	7.9		13.378	Process Effluent	4	Liquid	216T-4	200-W-52	Rp-s	1948	Rp-dn	1955							2013	ABAR2W03	RCRA C	Hanford-I14	Hanford-I14	500	2513	Rp-s
T	4369	200-W-67	Contaminated Soil at the Corner of Cooper and 16th Street	1	200	Unplanned Release	566908.42	134952.81			polygon	100.00	18.00			1800.000	Soil	4	Soil-Debris	200T-4	200-W-67	Rp-s	1998	Rp-dn	1998							NA	No Action			Rp-ds	30	2010	Rp-s
T	1953	200-W-9	200-W-9, W291 Excavation VCP Contamination	1	200	Unplanned Release	567467.19	136676.91			point			1.8		0.999		4	Liquid	200T-4	200-W-9	Rp-s	1994	G-dn	1994							2016	RTD			Rp-ds	30	2046	Rp-s
T	4476	200-W-90	Underground Radioactive Material Areas posted along 23rd Street in 200 West	1	200	Unplanned Release	566419.25	136621.70			polygon	6.10	3.05			18.581	Soil	4	Soil-Debris	200T-4	200-W-90	Rp-s	1969	Rp-dn	1969							NA	No Action			Rp-ds	30	2010	Rp-s
T	317	207-T	207-T, T Plant Retention Basin, 207-T, 207-T Retention Basin	1	200	Retention Basin	566969.06	136705.03			polygon	75.0	37.5			2811.060		4	Liquid	200T-4	207-T	Rp-s	1944	Rp-dn	1995							2014	RTD			Rp-ds	30	2044	Rp-s
T	1644	213-W	213-W, 213-W Compactor Facility	1	200	Process Unit/Plant	565897.25	135829.48			polygon	12.5	5.8			72.371		4	Liquid	200T-4	213-W	Rp-s	1988	Rp-dn	1988							2024	D&D			Rp-ds	30	2054	Rp-s
T	498	216-T-1	216-T-1, 221-T Ditch, 221-T Trench, 216-T-1 Trench	1	216	Ditch	567551.31	137102.70			polygon	556.3	0.9	3.0		2162.783		4	Liquid	216T-4	216-T-1	Rp-s	1944	Rp-dn	1995							2015	IBAR	RCRA C	Hanford-I12	Hanford-I12	500	2515	Rp-s
T	499	216-T-10	216-T-10, Decontamination Trenches, Equipment Decontamination Area	1	216	Trench	567353.81	136843.33			point	15.2	3.0	1.8		46.452		4	Liquid	216T-4	216-T-10	Rp-s	1951	Rp-dn	1957	1972	RTD		1972	RTD		2017	ABAR2W08	RCRA C	Hanford-I11	Hanford-I11	500	2517	Rp-s
T	500	216-T-11	216-T-11, Decontamination Trenches, Equipment Decontamination Area	1	216	Trench	567359.81	136841.92			point	15.2	3.0	1.8		46.452		4	Liquid	216T-4	216-T-11	Rp-s	1951	Rp-dn	1957	1972	RTD		1972	RTD		2017	ABAR2W08	RCRA C	Hanford-I11	Hanford-I11	500	2517	Rp-s
T	501	216-T-12	216-T-12, 207-T Sludge Grave, 207-T Sludge Pit, 216-T-11	1	216	Trench	566992.63	136737.05			polygon	4.6	3.0	2.4		13.935		4	Liquid	216T-4	216-T-12	Rp-s	1954	Rp-dn	1954							2015	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2515	Rp-s
T	502	216-T-13	216-T-13, 269-W Regulated Garage, 269-W Decontamination Pit or Trench, 216-T-12, 269-W Regulated Garage Decontamination Pit	1	216	Trench	566776.31	136520.36			polygon	6.1	6.1	3.0		37.161		4	Liquid	216T-4	216-T-13	Rp-s	1954	Rp-dn	1964							2017	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2517	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
T	503	216-T-14	216-T-14, 241-T-1 Trench, 216-T-1 Grave, 216-T-13	1	216	Trench	566948.13	136839.00			polygon	83.8	3.0			255.483		2	Liquid	216T-2	216-T-14	Rp-s	1954	Rp-dn	1954							2012	ABAR2W02	RCRA C	Hanford-I15	Hanford-I15	500	2512	Rp-s
T	504	216-T-15	216-T-15, 241-T-2 Trench, 241-T-2 Grave, 216-T-14, 216-T-15 Crib	1	216	Trench	566975.63	136836.05			polygon	83.8	3.0			255.483		2	Liquid	216T-2	216-T-15	Rp-s	1954	Rp-dn	1954							2012	ABAR2W02	RCRA C	Hanford-I15	Hanford-I15	500	2512	Rp-s
T	505	216-T-16	216-T-16, 241-T-3 Trench, 241-T-3 Grave, 216-T-15, 216-T-16 Crib	1	216	Trench	567003.00	136836.09			polygon	83.8	3.0			255.483		2	Liquid	216T-2	216-T-16	Rp-s	1954	Rp-dn	1954							2012	ABAR2W02	RCRA C	Hanford-I15	Hanford-I15	500	2512	Rp-s
T	506	216-T-17	216-T-17, 241-T-4 Trench, 216-T-4 Grave, 216-T-16	1	216	Trench	567018.25	136836.16			polygon	83.8	3.0			255.483		2	Liquid	216T-2	216-T-17	Rp-s	1954	Rp-dn	1954							2012	ABAR2W02	RCRA C	Hanford-I15	Hanford-I15	500	2512	Rp-s
T	507	216-T-18	216-T-18, Test Crib for 221-T Building, Scavenged TBP Waste, 216-T-17, 241-T-17 Crib	1	216	Crib	566949.38	136460.19			polygon	9.1	9.1	4.6		83.613		2	Liquid	216T-2	216-T-18	Rp-s	1953	Rp-dn	1953							2015	IBAR	Hanford	Hanford-I10	Hanford-I10	1000	3015	Rp-s
T	508	216-T-19	216-T-19, 241-TX-153 Crib and Tile Field, 216-TX-1, 241-TX-3, 216-T-19TF	1	216	Crib	566849.44	135974.00			polygon	118.9	25.9			3079.736		4	Liquid	216T-4	216-T-19	Rp-s	1951	Rp-dn	1980							2009	IBAR	RCRA C	Hanford-I14	Hanford-I14	500	2509	Rp-s
T	509	216-T-2	216-T-2, 222-T-110 Dry Wel	1	266	Injection/Reverse Wel	567588.88	136781.89			point			22.9	0.2	0.018		4	Liquid	266T-4	216-T-2	Rp-s	1945	Rp-dn	1950							NA	No Action			Rp-ds	30	2010	Rp-s
T	510	216-T-20	216-T-20, 155-TX, 216-TX-2, 216-T-20 Crib, Contaminated Acid Grave	1	216	Trench	567119.19	136074.44			point	3.0	3.0			9.290		4	Liquid	216T-4	216-T-20	Rp-s	1952	Rp-dn	1952							2009	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2509	Rp-s
T	511	216-T-21	216-T-21, 241-TX-1 Trench, 216-TX-1 Grave, 216-TX-3	1	216	Trench	566555.31	136118.70			line	73.2	3.0	3.0		222.967		2	Liquid	216T-2	216-T-21	Rp-s	1954	Rp-dn	1954							2012	ABAR2W05	RCRA C	Hanford-I16	Hanford-I16	500	2512	Rp-s
T	512	216-T-22	216-T-22, 241-TX-2 Trench, 216-TX-2 Grave, 216-TX-4	1	216	Trench	566555.25	136146.13			line	73.2	3.0	3.0		222.967		2	Liquid	216T-2	216-T-22	Rp-s	1954	Rp-dn	1954							2012	ABAR2W05	RCRA C	Hanford-I16	Hanford-I16	500	2512	Rp-s
T	513	216-T-23	216-T-23, 241-TX-3 Trench, 216-TX-3 Grave, 216-TX-5, 241-TX-3 Grave	1	216	Trench	566555.19	136173.56			line	73.2	3.0	3.0		222.967		2	Liquid	216T-2	216-T-23	Rp-s	1954	Rp-dn	1954							2012	ABAR2W05	RCRA C	Hanford-I16	Hanford-I16	500	2512	Rp-s
T	514	216-T-24	216-T-24, 241-TX-4 Trench, 216-TX-4 Grave, 216-TX-6	1	216	Trench	566555.00	136201.03			line	73.2	3.0	3.0		222.967		2	Liquid	216T-2	216-T-24	Rp-s	1954	Rp-dn	1954							2012	ABAR2W05	RCRA C	Hanford-I16	Hanford-I16	500	2512	Rp-s
T	515	216-T-25	216-T-25, 241-TX-5 Trench, 216-TX-5 Grave, 216-TX-7	1	216	Trench	566545.88	136228.47			line	54.9	3.0	3.0		167.225		2	Liquid	216T-2	216-T-25	Rp-s	1954	Rp-dn	1954							2012	ABAR2W05	RCRA C	Hanford-I16	Hanford-I16	500	2512	Rp-s
T	516	216-T-26	216-T-26, 216-TY-1 Cavern, 216-TY-1 Crib, 241-TX-1 Cavern, 216-TX-1 Crib	1	216	Crib	566932.06	136398.72			polygon	9.1	9.1	4.6		83.613		3	Liquid	216T-3	216-T-26	Rp-s	1955	Rp-dn	1956							2015	ABAR2W04	RCRA C	Hanford-I12	Hanford-I12	500	2515	Rp-s
T	517	216-T-27	216-T-27, 216-TY-2 Cavern, 216-TY-2 Crib, 216-TX-2 Cavern, 216-TX-2 Crib	1	216	Crib	566932.50	136372.83			polygon	9.1	9.1	4.6		83.613		4	Liquid	216T-4	216-T-27	Rp-s	1965	Rp-dn	1965							2014	ABAR2W04	RCRA C	Hanford-I12	Hanford-I12	500	2514	Rp-s
T	518	216-T-28	216-T-28, 216-TY-3 Cavern, 216-TY-3 Crib, 216-TX-3 Cavern, 216-TX-3 Crib	1	216	Crib	566932.50	136347.16			polygon	9.1	9.1	4.6		83.613		4	Liquid	216T-4	216-T-28	Rp-s	1960	Rp-dn	1966							2015	ABAR2W04	RCRA C	Hanford-I12	Hanford-I12	500	2515	Rp-s
T	519	216-T-29	216-T-29, 291-T Sand Filter Sewer, 216-T-29 French Drain	1	216	French Drain	567705.25	136913.95			point	1.1			0.2	0.018		4	Liquid	216T-4	216-T-29	Rp-s	1949	Rp-dn	1964							2017	IBAR	RCRA C	Hanford-I11	Hanford-I11	500	2517	Rp-s
T	520	216-T-3	216-T-3, 241-T-361-A Dry Well or Reverse Well, 361-T Reverse Well	1	266	Injection/Reverse Well	567260.94	136670.61			point			62.8	0.3	0.050		2	Liquid	266T-2	216-T-3	Rp-s	1945	Rp-dn	1946							NA	No Action			Rp-ds	30	2010	Rp-s
T	521	216-T-31	216-T-31	1	216	French Drair	566868.44	136144.98			point				0.9	0.657		4	Liquid	216T-4	216-T-31	Rp-s	1954	Rp-dn	1962							2017	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2517	Rp-s
T	522	216-T-32	216-T-32, 241-T #1 & 2 Cribs, 216-T-6	1	216	Crib	566719.31	136696.13			polygon	20.7	4.3	7.9		88.444		2	Liquid	216T-2	216-T-32	Rp-s	1946	Rp-dn	1952							2012	IBAR	Hanford	Hanford-I10	Hanford-I10	1000	3012	Rp-s
T	523	216-T-33	216-T-33	1	216	Crib	567461.50	136898.14			polygon	9.1	1.5	3.3		13.935		4	Liquid	216T-4	216-T-33	Rp-s	1963	Rp-dn	1963							2017	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2517	Rp-s
T	524	216-T-34	216-T-34	1	216	Crib	567265.25	137110.86			polygon	61.0	9.1	4.6		557.418		4	Liquid	216T-4	216-T-34	Rp-s	1966	Rp-dn	1967							2015	IBAR	RCRA C	Hanford-I11	Hanford-I11	500	2515	Rp-s
T	525	216-T-35	216-T-35	1	216	Crib	567168.44	137107.81			polygon	137.2	3.0	4.6		418.064		4	Liquid	216T-4	216-T-35	Rp-s	1967	Rp-dn	1968							2015	IBAR	RCRA C	Hanford-I12	Hanford-I12	500	2515	Rp-s
T	526	216-T-36	216-T-36	1	216	Crib	566702.00	136595.95			polygon	48.8	3.0	4.6		148.645		4	Liquid	216T-4	216-T-36	Rp-s	1967	Rp-dn	1973							2019	IBAR	RCRA C	Hanford-I10	Hanford-I10	500	2519	Rp-s
T	527	216-T-4-1D	216-T-4-1D, 216-T-4 Ditch, 216-T-4 Swamp	1	200	Ditch	566762.14	136960.00			line	259.1	2.4			631.741		4	Liquid	200T-4	216-T-4-1D	Rp-s	1944	Rp-dn	1972							2016	RTD			Rp-ds	30	2046	Rp-s
T	528	216-T-4-2	216-T-4-2, 216-T-4-2 Ditch	1	200	Ditch	566758.43	137042.02			line	533.4	2.4	1.2		1300.643		4	Liquid	200T-4	216-T-4-2	Rp-s	1972	Rp-dn	1995							2017	RTD			Rp-ds	30	2047	Rp-s
T	529	216-T-4A	216-T-4A, 216-T-4 Swamp, 216-T-4-1 (P), 216-T-4-1 Pond	1	200	Pond	566533.00	137099.09	9	(566438.727,137406.606), (566430.678,137198.667), (566453.819,137063.507), (566555.441,137029.298), (566653.038,137043.384), (566712.401,137160.098), (566542.361,137285.867), (566522.238,137418.680), (566438.727,137406.606)	point	548.6	182.9			100335.286		4	Liquid	200T-4	216-T-4A	Rp-s	1944	Rp-dn	1972							2018	ABAR2W01	RCRA C	Hanford-I21	Hanford-I21	500	2518	Rp-s
T	530	216-T-4B	216-T-4B, 216-T-4 New Pond, 216-T-4-2 (P), 216-T-4-2 Pond	1	200	Pond	566522.63	137271.25			point					6100.000		4	Liquid	200T-4	216-T-4B	Rp-s	1972	Rp-dn	1995							2020	RTD			Rp-ds	30	2050	Rp-s
T	531	216-T-5	216-T-5, 216-T-5 Grave, 216-T-12, 216-T-5 Trench, 241-T-5 Trench	1	216	Trench	566666.50	136727.09			polygon	15.2	3.0	3.7		46.452		2	Liquid	216T-2	216-T-5	Rp-s	1955	Rp-dn	1955							2012	IBAR	RCRA C	RCRA C-I9	RCRA C-I9	500	2512	Rp-s
T	532	216-T-6	216-T-6, 241-T-361 (1&2 Cribs), 216-T-5, 361-T-1&2 Cribs	1	216	Crib	567188.31	136663.17			polygon	39.5	16.9	7.6		667.260		2	Liquid	216T-2	216-T-6	Rp-s	1946	Rp-dn	1951							2012	IBAR	Hanford	RCRA C-I8	RCRA C-I8	1000	3012	Rp-s
T	533	216-T-7	216-T-7TF, 216-T-7 Tile Field, 241-T-3 Tile Fielc	1	216	Crib	566685.00	136659.56			polygon	94.5	25.6			2419.195		2	Liquid	216T-2	216-T-7	Rp-s	1948	Rp-dn	1955							2013	ABAR2W03	RCRA C	Hanford-I14	Hanford-I14	500	2513	Rp-s
T	534	216-T-8	216-T-8, 222-T-1 & 2 Cribs	1	216	Crib	567650.75	136726.91			polygon	35.2	11.1			390.960		4	Liquid	216T-4	216-T-8	Rp-s	1950	Rp-dn	1951							2018	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2518	Rp-s
T	535	216-T-9	216-T-9, Decontamination Trenches, Equipment Decontamination Area	1	216	Trench	567348.25	136844.84			point	15.2	3.0	1.8		46.452		4	Liquid	216T-4	216-T-9	Rp-s	1965	Rp-dn	1969	1972	RTD		1972	RTD		2017	ABAR2W08	RCRA C	Hanford-I11	Hanford-I11	500	2517	Rp-s
T	1938	216-TY-201	216-TY-201, Supernatant Disposal Flush Tank	1	216	Settling Tank	566946.00	136417.00			point	7.1	3.0	2.9		21.674		2	Liquid	216T-2	216-TY-201	Rp-s	1953	Rp-dn	1966							2017	RTD			Rp-ds	30	2047	Rp-s
T	554	216-W-LWC	216-W-LC, Laundry Waste Crib, 216-W-LWC Crib, 216-W-1	1	216	Crib	567916.06	135885.25			polygon	126.5	65.8			8327.829		4	Liquid	216T-4	216-W-LWC	Rp-s	1981	Rp-dn	1994							2017	IBAR	RCRA C	Hanford-I15	Hanford-I15	500	2517	Rp-s

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Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infilration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
T	595	218-W-1	218-W-1, 200-W Area Dry Waste No. 001, Soilid Waste Burial Ground #1	1	216	Burial Ground	566205.13	136221.53			polygon	158.8	139.6			22168.338		4	Soil-Debris	216T-4	218-W-1	Rp-s	1944	Rp-dn	1953							2017	ABAR2W06	Hanford	Hanford-I18	Hanford-I18	1000	3017	Rp-s
T	596	218-W-11	218-W-11, Regulated Storage Site	1	216	Burial Ground	566204.94	136318.61			polygon	152.4	61.0	4.6		9290.304		4	Soil-Debris	216T-4	218-W-11	Rp-s	1960	Rp-dn	1960							2018	IBAR	RCRA C	Hanford-I13	Hanford-I13	500	2518	Rp-s
T	597	218-W-1A	218-W-1A, 200-W Area Industrial Waste Burial Ground #1, Equipment Burial Ground #1	1	216	Burial Ground	567059.81	137184.27			polygon	184.4	139.3			25686.297		4	Soil-Debris	216T-4	218-W-1A	Rp-s	1944	Rp-dn	1960							2018	IBAR	RCRA C	Hanford-I17	Hanford-I17	500	2518	Rp-s
T	598	218-W-2	218-W-2, 200-W Area Dry Waste No. 002, Dry Waste Burial Ground No. 2	1	216	Burial Ground	566205.44	136061.98			polygon	179.5	158.8			28509.064		4	Soil-Debris	216T-4	218-W-2	Rp-s	1953	Rp-dn	1956							2018	ABAR2W06	Hanford	Hanford-I18	Hanford-I18	1000	3018	Rp-s
T	599	218-W-2A	218-W-2A, Industrial Waste No. 002, Equipment Burial Ground #2	1	216	Burial Ground	566424.88	136890.80			polygon	535.9	340.0			182213.800		4	Soil-Debris	216T-4	218-W-2A	Rp-s	1954	Rp-dn	1985							2018	ABAR2W01	RCRA C	Hanford-I21	Hanford-I21	500	2518	Rp-s
T	600	218-W-3	218-W-3, Dry Waste No.	1	216	Burial Ground	566165.63	136744.98			polygon	218.2	155.4			33924.475		4	Soil-Debris	216T-4	218-W-3	Rp-s	1957	Rp-dn	1961							2019	ABAR2W01	Hanford	Hanford-I21	Hanford-I21	1000	3019	Rp-s
T	601	218-W-3A	218-W-3A, Dry Waste No. 003A	1	216	Burial Ground	566226.44	137282.42			polygon	746.8	283.5			211676.580		4	Soil-Debris	216T-4	218-W-3A	Rp-s	1970	Rp-dn	2014							2019	ABAR2W01	Hanford	Hanford-I21	Hanford-I21	1000	3019	Rp-s
T	602	218-W-3AE	218-W-3AE, Industrial Waste No. 3AE, Dry Waste No. 3AE	1	216	Burial Ground	566616.44	137391.28			polygon	500.0	453.0			226500.000		4	Soil-Debris/Cement	216T-4	218-W-3AE	Rp-s	1981	Rp-dn	2014							2019	IBAR	RCRA C	Hanford-I20	Hanford-I20	500	2519	Rp-s
T	603	218-W-4A	218-W-4A, Dry Waste No. 04A	1	216	Burial Ground	566227.81	136490.94			polygon	274.3	267.9			73495.595		4	Soil-Debris	216T-4	218-W-4A	Rp-s	1961	Rp-dn	1968							2019	IBAR	Hanford	Hanford-I18	Hanford-I18	1000	3019	Rp-s
T	604	218-W-4B	218-W-4B, Dry Waste No. 04B	1	216	Burial Ground	566190.56	135880.45			polygon	189.0	158.5			29951.940		4	Soil-Debris/Cement	216T-4	218-W-4B	Rp-s	1967	Rp-dn	1990							2020	ABAR2W06	Hanford	Hanford-I18	Hanford-I18	1000	3020	Rp-s
T	606	218-W-5	218-W-5, Dry Waste Burial Ground, Low-Level Radioactive Mixed Waste Burial Grounds	1	216	Burial Ground	565869.69	137164.56			polygon	1012.7	360.1			364625.560		4	Soil-Debris	216T-4	218-W-5	Rp-s	1986	Rp-dn	2014							2021	IBAR	RCRA C	Hanford-I20	Hanford-I20	500	2521	Rp-s
T	9903	221-T		1	200	Process Unit/Plant	567568.28	136849.69			polygon	254.0	21.0			5334.000		4	Cement	200T-4	221-T	Rp-s	1944	Rp-dn	1990							2038	IBAR	RCRA C	Hanford-I14	Hanford-I14	500	2538	Rp-s
T	3725	221-T-11-R	221-T-11-R, 221-T-TK-11-R, Tank 11-R 221-T System, T Plant Complex	1	200	Storage Tank	567558.13	136822.95			point			4.3		9.990		4	Liquid	200T-4	221-T-11-R	Rp-s	1944	Rp-dn	2015							2038	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2538	Rp-s
T	4289	224-T	224-T, 224-T Canyon	1	200	Process Unit/Plant	567555.79	136724.80				60.0	18.3	18.3		1098.114		4	Cement	200T-4	224-T	Rp-s	1944	Rp-dn	2015							2033	IBAR	RCRA C	Hanford-I12	Hanford-I12	500	2533	Rp-s
T	851	241-T-101	241-T-101, 241-T-TK-101	1	241	Single-Shell Tank	566837.88	136764.75			polygon			11.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-101	Rp-s	1944	G-dn	1979							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	852	241-T-102	241-T-102, 241-T-TK-102	1	241	Single-Shell Tank	566807.44	136764.67			polygon			11.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-102	Rp-s	1945	G-dn	1976							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	853	241-T-103	241-T-103, 241-T-TK-103	1	241	Single-Shell Tank	566776.94	136764.59			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-103	Rp-s	1945	G-dn	1974							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	854	241-T-104	241-T-104, 241-T-TK-104	1	241	Single-Shell Tank	566837.94	136734.27			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-104	Rp-s	1946	G-dn	1974							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	855	241-T-105	241-T-105, 241-T-TK-105	1	241	Single-Shell Tank	566807.50	136734.19			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-105	Rp-s	1946	G-dn	1976							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	856	241-T-106	241-T-106, 241-T-TK-106	1	241	Single-Shell Tank	**566777.00**	**136734.13**			**polygon**			**11.8**	**22.9**	410.433		2	Liquid/Salt Cake	241T-2	**241-T-106**	Rp-s	1947	G-dn	1973							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	857	241-T-107	241-T-107, 241-T-TK-107	1	241	Single-Shell Tank	566838.06	136703.80			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-107	Rp-s	1944	G-dn	1976							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	858	241-T-108	241-T-108, 241-T-TK-108	1	241	Single-Shell Tank	566807.56	136703.72			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-108	Rp-s	1945	G-dn	1974							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	859	241-T-109	241-T-109, 241-T-TK-109	1	241	Single-Shell Tank	566777.06	136703.70			polygon			11.9	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-109	Rp-s	1945	G-dn	1974							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	860	241-T-110	241-T-110, 241-T-TK-110	1	241	Single-Shell Tank	566838.13	136673.33			polygon			11.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-110	Rp-s	1944	G-dn	1976							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	861	241-T-111	241-T-111, 241-T-TK-111	1	241	Single-Shell Tank	566807.63	136673.25			polygon			11.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-111	Rp-s	1945	G-dn	1974							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	862	241-T-112	241-T-112, 241-T-TK-112	1	241	Single-Shell Tank	566777.19	136673.17			polygon			11.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-T-112	Rp-s	1946	G-dn	1976							2024	ABAR2WTTF	RCRA C	Hanford-I16	Hanford-I16	500	2524	Rp-s
T	863	241-T-201	241-T-201, 241-T-TK-201	1	241	Single-Shell Tank	566746.63	136711.19			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241T-2	241-T-201	Rp-s	1952	G-dn	1976							2024	ABAR2WT2TF	RCRA C	Hanford-I12	Hanford-I12	500	2524	Rp-s
T	864	241-T-202	241-T-202, 241-T-TK-202	1	241	Single-Shell Tank	566746.63	136695.95			polygon			11.4	6.1	29.186		2	Liquid/Salt Cake	241T-2	241-T-202	Rp-s	1952	G-dn	1976							2024	ABAR2WT2TF	RCRA C	Hanford-I12	Hanford-I12	500	2524	Rp-s
T	865	241-T-203	241-T-203, 241-T-TK-203	1	241	Single-Shell Tank	566746.69	136680.72			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241T-2	241-T-203	Rp-s	1952	G-dn	1976							2024	ABAR2WT2TF	RCRA C	Hanford-I12	Hanford-I12	500	2524	Rp-s
T	866	241-T-204	241-T-204, 241-T-TK-204	1	241	Single-Shell Tank	566746.69	136665.47			polygon			11.5	6.1	29.186		2	Liquid/Salt Cake	241T-2	241-T-204	Rp-s	1952	G-dn	1976							2024	ABAR2WT2TF	RCRA C	Hanford-I12	Hanford-I12	500	2524	Rp-s
T	850	241-T-361	241-T-361, 241-T-361 Settling Tank, 361-T-TANK	1	216	Settling Tank	567280.00	136665.17			polygon			7.6	6.1	29.186		4	Liquid/Salt Cake	216T-4	241-T-361	Rp-s	1946	G-dn	1951							2013	RTD			Rp-ds	500	2513	Rp-s
T	876	241-TX-101	241-TX-101, 241-TX-TK-	1	241	Single-Shell Tank	566805.13	136155.92			polygon			14.3	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-101	Rp-s	1949	G-dn	1980							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	877	241-TX-102	241-TX-102, 241-TX-TK-	1	241	Single-Shell Tank	566774.56	136155.86			polygon			14.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-102	Rp-s	1950	G-dn	1975							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	878	241-TX-103	241-TX-103, 241-TX-TK-	1	241	Single-Shell Tank	566742.94	136155.78			polygon			14.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-103	Rp-s	1950	G-dn	1980							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	879	241-TX-104	241-TX-104, 241-TX-TK-	1	241	Single-Shell Tank	566711.88	136155.69			polygon			14.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-104	Rp-s	1950	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	880	241-TX-105	241-TX-105, 241-TX-TK-	1	241	Single-Shell Tank	566805.06	136187.02			polygon			14.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-105	Rp-s	1952	G-dn	1976							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	881	241-TX-106	241-TX-106, 241-TX-TK-	1	241	Single-Shell Tank	566774.50	136186.94			polygon			14.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-106	Rp-s	1952	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	882	241-TX-107	241-TX-107, 241-TX-TK-	1	241	Single-Shell Tank	566742.88	136186.86			polygon			14.8	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-107	Rp-s	1952	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	883	241-TX-108	241-TX-108, 241-TX-TK-	1	241	Single-Shell Tank	566711.81	136186.78			polygon			14.7	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-108	Rp-s	1952	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	884	241-TX-109	241-TX-109, 241-TX-TK-	1	241	Single-Shell Tank	566804.94	136218.09			polygon			14.3	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-109	Rp-s	1949	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	885	241-TX-110	241-TX-110, 241-TX-TK-	1	241	Single-Shell Tank	566774.44	136218.02			polygon			14.5	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-110	Rp-s	1949	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	886	241-TX-111	241-TX-111, 241-TX-TK-	1	241	Single-Shell Tank	566742.81	136217.94			polygon			14.4	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-111	Rp-s	1950	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	887	241-TX-112	241-TX-112, 241-TX-TK-	1	241	Single-Shell Tank	566711.69	136217.86			polygon			14.4	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-112	Rp-s	1950	G-dn	1976							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	888	241-TX-113	241-TX-113, 241-TX-TK-	1	241	Single-Shell Tank	566804.88	136249.17			polygon			14.2	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-113	Rp-s	1952	G-dn	1976							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	889	241-TX-114	241-TX-114, 241-TX-TK-	1	241	Single-Shell Tank	566774.38	136249.11			polygon			14.2	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-114	Rp-s	1952	G-dn	1975							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	890	241-TX-115	241-TX-115, 241-TX-TK-	1	241	Single-Shell Tank	566742.69	136249.03			polygon			14.2	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-115	Rp-s	1952	G-dn	1977							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	891	241-TX-116	241-TX-116, 241-TX-TK-	1	241	Single-Shell Tank	566804.81	136280.27			polygon			14.0	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-116	Rp-s	1952	G-dn	1976							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	892	241-TX-117	241-TX-117, 241-TX-TK-	1	241	Single-Shell Tank	566774.25	136280.19			polygon			14.3	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-117	Rp-s	1952	G-dn	1976							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	893	241-TX-118	241-TX-118, 241-TX-TK-	1	241	Single-Shell Tank	566742.63	136280.11			polygon			14.3	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TX-118	Rp-s	1952	G-dn	1980							2024	ABAR2WTXTF	RCRA C	Hanford-I17	Hanford-I17	500	2524	Rp-s
T	871	241-TX-154	241-TX-154, 241-TX-154 Diversion Box	1	241	Diversion Box	567598.75	136835.38			polygon	11.0	3.0	5.5		33.445		2	Liquid	241T-2	241-TX-154	Rp-s	1949	G-dn	2015							2018	RTD			Rp-ds	30	2048	Rp-s
T	899	241-TY-101	241-TY-101, 241-TY-TK-101	1	241	Single-Shell Tank	566773.31	136446.58			polygon			13.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-101	Rp-s	1953	G-dn	1973							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	900	241-TY-102	241-TY-102, 241-TY-TK-102	1	241	Single-Shell Tank	566742.25	136446.50			polygon			13.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-102	Rp-s	1953	G-dn	1979							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	901	241-TY-103	241-TY-103, 241-TY-TK-103	1	241	Single-Shell Tank	566773.38	136415.50			polygon			13.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-103	Rp-s	1953	G-dn	1976							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	902	241-TY-104	241-TY-104, 241-TY-TK-104	1	241	Single-Shell Tank	566742.31	136415.42			polygon			13.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-104	Rp-s	1953	G-dn	1974							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	903	241-TY-105	241-TY-105, 241-TY-TK-105	1	241	Single-Shell Tank	566773.44	136384.41			polygon			13.6	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-105	Rp-s	1953	G-dn	1960							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	904	241-TY-106	241-TY-106, 241-TY-TK-106	1	241	Single-Shell Tank	566742.38	136384.33			polygon			14.0	22.9	410.433		2	Liquid/Salt Cake	241T-2	241-TY-106	Rp-s	1953	G-dn	1959							2024	ABAR2WTYTF	RCRA C	Hanford-I15	Hanford-I15	500	2524	Rp-s
T	1241	RMWSF	Radioactive Mixed Waste Storage Facility, 2401W, 2401WB, -WC, -WD, -WE, -WF, -WG, -WH, -WI, -WJ, -WK, -WL, Hanford Central Waste Complex	1	200	Storage	565673.50	136024.50			polygon					56345.000		4	Soil-Debris	200T-4	RMWSF	Rp-s	1988	Rp-dn	2028							2028	RTD			Rp-ds	30	2058	Rp-s
T	630	TRUSAF	TRUSAF, 224-T TRUSAF, Transuranic Assay Facility	1	200	Storage	567548.81	136719.16			polygon	60.0	18.3			1098.114	Barrels/Drums/Buckets/Cans	4	Soil-Debris	200T-4	TRUSAF	Rp-s	1985	Rp-dn	1985							2024	D&D			Rp-ds	30	2054	Rp-s
T	1413	UPR-200-W-100	UPR-200-W-100, UN-216-W-8, 105-TX to 118-TX Process Line Leak, UN-200-	1	200	Unplanned Release	566744.06	136186.31			point	30.5	38.1			1161.288		2	Liquid	200T-2	UPR-200-W-100	Rp-s	1954	Rp-dn	1954							NA	No Action			Rp-ds	30	2010	Rp-s
T	1415	UPR-200-W-102	UPR-200-W-102, UN-216-W-12, UN-200-W-102	1	200	Unplanned Release	########	########			line	15.2	3.7	3.7		55.742		4	Liquid	200T-4	UPR-200-W-102	Rp-s	1972	Rp-dn	1972							2021	No Action			Rp-ds	30	2051	Rp-s
T	1427	UPR-200-W-113	UPR-200-W-113, Soil Contamination East of 241-TX, UN-216-W-23, UN-200-W-113	1	200	Unplanned Release	567064.31	136095.64			point					0.999		4	Soil-Debris	200T-4	UPR-200-W-113	Rp-s	1977	Rp-dn	1977							2021	No Action			Rp-ds	30	2051	Rp-s
T	1433	UPR-200-W-12	UPR-200-W-12	1	200	Unplanned Release	566818.69	136300.34			point					0.999		4	Liquid	200T-4	UPR-200-W-12	Rp-s	1951	Rp-dn	1951							NA	No Action			Rp-ds	30	2010	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
T	1440	UPR-200-W-129	UPR-200-W-129	1	200	Unplanned Release	566804.88	136246.78			point					0.999		2	Liquid	200T-2	UPR-200-W-129	Rp-s	1971	Rp-dn	1971							NA	No Action			Rp-ds	30	2010	Rp-s
T	1443	UPR-200-W-131	UPR-200-W-131, Release from 241-TX-155	1	200	Unplanned Release	567101.50	136094.02			point					0.999		4	Liquid	200T-4	UPR-200-W-131	Rp-s	1953	Rp-dn	1953							2021	No Action			Rp-ds	30	2051	Rp-s
T	1445	UPR-200-W-134	UPR-200-W-134, Improper Drum Buria	1	200	Unplanned Release	566241.19	136258.17			point					0.999	Barrels/Drums/Buckets/Cans	4	**Soil-Debris**	200T-4	UPR-200-W-134	Rp-s	1975	Rp-dn	1975							NA	No Action			Rp-ds	30	2010	Rp-s
T	1446	UPR-200-W-135	UPR-200-W-135, Release from 241-TX-155, UN-200-2-135	1	200	Unplanned Release	567119.19	136074.44			point	12.2				0.999		2	Liquid	200T-2	UPR-200-W-135	Rp-s	1954	Rp-dn	1954							2021	No Action			Rp-ds	30	2051	Rp-s
T	1450	UPR-200-W-14	UPR-200-W-14, Waste Line Leak at 242-T Evaporator, UN-200-W-14	1	200	Unplanned Release	566938.25	136540.31			point					0.999		4	Liquid	200T-4	UPR-200-W-14	Rp-s	1952	Rp-dn	1952							2019	RTD			Rp-ds	30	2049	Rp-s
T	1462	UPR-200-W-150	UPR-200-W-150	1	200	Unplanned Release	566773.38	136415.56			point					0.999		2	Liquid	200T-2	UPR-200-W-150	Rp-s	1973	Rp-dn	1973							2024	IBAR	RCRA C	RCRA C-I8	RCRA C-I8	500	2524	Rp-s
T	1484	UPR-200-W-2	UPR-200-W-2, UN-200-W-2	1	200	Unplanned Release	567520.00	136745.00			point			3.4		0.999		4	Liquid	200T-4	UPR-200-W-2	Rp-s	1947	Rp-dn	1947							2021	No Action			Rp-ds	30	2051	Rp-s
T	1486	UPR-200-W-21	UPR-200-W-21, UN-200-W-21, Ground Contamination at 241-TX-154 Diversion Box	1	200	Unplanned Release	567577.75	136822.78			point	48.8	27.4			1337.804		2	Liquid	200T-2	UPR-200-W-21	Rp-s	1953	Rp-dn	1953							2021	No Action			Rp-ds	30	2051	Rp-s
T	1491	UPR-200-W-28	UPR-200-W-28, Release from 241-TX-155, UN-200-W-28	1	200	Unplanned Release	567064.19	136107.53			point	30.5	9.1			278.709		2	Liquid	200T-2	UPR-200-W-28	Rp-s	1954	Rp-dn	1954							2021	No Action			Rp-ds	30	2051	Rp-s
T	1492	UPR-200-W-29	UPR-200-W-29, Transfer Line Leak, UN-200-W-29, UPR-200-W-27, UN-200-W-27, UN-216-W-5, 23rd and Camden Line Breal	1	200	Unplanned Release	566907.88	136595.58			polygon	30.5	22.9			696.773		2	Liquid	200T-2	UPR-200-W-29	Rp-s	1954	G-dn	1954							2022	No Action			Rp-ds	30	2052	Rp-s
T	1501	UPR-200-W-38	UPR-200-W-38, Line Break at 241-TX-302, UPR-200-W-160, UPR-200-W-40, UN-200-W-38, 216-T-30, UN-216-W-36,	1	200	Unplanned Release	567603.00	136840.58			point					371.612		2	Liquid	200T-2	UPR-200-W-38	Rp-s	1955	Rp-dn	1955							2022	No Action			Rp-ds	30	2052	Rp-s
T	1508	UPR-200-W-44	UPR-200-W-44, Railroad Track Contamination, UN-200-W-44	1	200	Unplanned Release	########	########				7.6	6.1			46.452	Soil	4	Soil-Debris	200T-4	UPR-200-W-44	Rp-s	1954	Rp-dn	1954							NA	No Action			Rp-ds	30	2010	Rp-s
T	1514	UPR-200-W-5	UPR-200-W-5, Overflow at 241-TX-155, UN-200-W-5	1	200	Unplanned Release	567064.31	136088.02			point					0.999		2	Liquid	200T-2	UPR-200-W-5	Rp-s	1950	Rp-dn	1950							2022	No Action			Rp-ds	30	2052	Rp-s
T	1551	UPR-200-W-85	UPR-200-W-85, Radioactive Spill from Multipurpose Transfer Box, UN-216-W-85, UN-200-W-85	1	200	Unplanned Release	567513.06	136923.69			point					0.999		4	Liquid	200T-4	UPR-200-W-85	Rp-s	1982	ABC	1982							NA	No Action			Rp-ds	30	2010	Rp-s
T	1554	UPR-200-W-88	UPR-200-W-88, Radioactive Spill from UNH Trailer, UN-216-W-88, UN-200-W-88	1	200	Unplanned Release	568024.44	136021.83			point					0.999		4	Liquid	200T-4	UPR-200-W-88	Rp-s	1984	ABC	1984							NA	No Action			Rp-ds	30	2010	Rp-s
T	1560	UPR-200-W-97	UPR-200-W-97, Transfer Line Leak, UN-216-W-5, UN-200-W-97	1	200	Unplanned Release	566902.81	136595.44			point			0.9		0.999		2	Liquid	200T-2	UPR-200-W-97	Rp-s	1966	G-dn	1966							2022	No Action			Rp-ds	30	2052	Rp-s
T	1561	UPR-200-W-98	UPR-200-W-98, UN-216-W-6, 221-T at R-19 Waste Line Break, UN-200-W-98	1	200	Unplanned Release	567510.69	136736.73			point					0.999		2	Liquid	200T-2	UPR-200-W-98	Rp-s	1945	Rp-dn	1945							2022	No Action			Rp-ds	30	2052	Rp-s
T	1631	WRAP	WRAP, Waste Receiving and Processing Facility	1	200	Process Unit/Plant	565882.69	136553.25			polygon	73.2	61.0			4459.346	Barrels/Drums/Buckets/Cans	4	Cement	200T-4	WRAP	Rp-s	1969	Rp-dn	1969							2024	D&D			Rp-ds	30	2054	Rp-s
R	1040	300_RLWS		1	300	Radioactive Process	594156.94	115933.27			line	853.4	0.3			256.032		4	Liquid	300R-4	300_RLWS	Rp-s	1979	Rp-dn	1998							2004	RTD			Rp-ds	30	2034	Rp-s
R	1041	300_RRLWS		1	300	Radioactive Process	########	########			line	1247.2	0.3			374.172		4	Liquid	300R-4	300_RRLWS	Rp-s	1954	Rp-dn	1975							2004	RTD			Rp-ds	30	2034	Rp-s
R	1044	300_VTS	300 Area Vitrification Test Site, In-Situ Vitrification (ISV) Test Site	1	300	Process Unit/Plant	593295.31	116400.06			polygon	103.63	85.34			8844.370	Soil/Equipment	4	Cement	300R-4	300_VTS	Rp-s	1983	Rp-dn	1986							2012	RTD			Rp-ds	30	2042	Rp-s
R	4052	300-121	3621D Building Stormwater Runoff, Miscellaneous Stream #403, Injection Well #26	1	316	French Drain	594334.75	115664.34			polygon				1.37	1.473	Water	4	Liquid	316R-4	300-121	Rp-s	1969	Rp-dn	1969							2003	RTD			Rp-ds	30	2033	Rp-s
R	4054	300-123	366 Building Fuel Oil Bunker Steam Condensate, Miscellaneous Stream #653	1	316	French Drain	593961.75	116052.34			point				0.69	0.369	Steam Condensate	4	Liquid	316R-4	300-123	Rp-s	1969	Rp-dn	1969							2010	RTD			Rp-ds	30	2040	Rp-s
R	1852	300-16		1	300	Unplanned Release	593775.44	116075.94			point					0.999	Soil	4	Soil-Debris	300R-4	300-16	Rp-s	1992	G-dn	1998							2005	RTD			Rp-ds	30	2035	Rp-s
R	1735	300-2		1	316	Trench	594192.19	115607.46			point	22.9	15.2			348.386		4	Liquid	316R-4	300-2	Rp-s	1965	Rp-dn	1966							2004	RTD			Rp-ds	30	2034	Rp-s
R	4175	300-214		1	300	Radioactive Process	########	########				274.3	0.3			82.296		4	Liquid	300R-4	300-214	Rp-s	1953	Rp-dn	2011							2006	RTD			Rp-ds	30	2036	Rp-s
R	4253	300-224		1	316	Trench	########	########				243.8	0.5			121.920		4	Liquid	316R-4	300-224	Rp-s	1960	Rp-dn	1988							2006	RTD			Rp-ds	30	2036	Rp-s
R	1922	300-24		1	300	Unplanned Release	593739.56	116114.23			polygon					2571.830		4	Soil-Debris	300R-4	300-24	Rp-s	1945	Rp-dn	1995							2006	RTD			Rp-ds	30	2036	Rp-s
R	4364	300-249	304- Buidling, Residual Rad Contamination	1	300	Process Unit/Plant	593802.69	116064.16			polygon					99.900	Chemicals	4	Cement	300R-4	300-249	Rp-s	1969	Rp-dn	1969							2004	RTD			Rp-ds	30	2034	Rp-s
R	1923	300-25		1	300	Laboratory	594247.44	115784.75			point	71.5	61.9	13.7		4422.510		4	Soil-Debris	300R-4	300-25	Rp-s	1966	Rp-dn	2004							2005	RTD			Rp-ds	30	2035	Rp-s
R	4366	300-251		1	300	Unplanned Release	########	########				30.0	25.0			450.000		4	Liquid/Soil-Debris	300R-4	300-251	Rp-s	1943	Rp-dn	1995							2007	RTD			Rp-ds	30	2037	Rp-s
R	4371	300-255		1	300	Unplanned Release	########	########				23.0	20.0			460.000		4	Liquid	300R-4	300-255	Rp-s	1960	Rp-dn	1969							2007	RTD			Rp-ds	30	2037	Rp-s
R	4382	300-262		1	300	Unplanned Release	########	########								0.999		4	Liquid	300R-4	300-262	Rp-s	1943	Rp-dn	1975							2001	RTD			Rp-ds	30	2031	Rp-s
R	4384	300-264		1	300	Laboratory	########	########				70.0	40.0			2800.000		4	Soil-Debris	300R-4	300-264	Rp-s	1953	Rp-dn	2004							2005	RTD			Rp-ds	30	2035	Rp-s
R	4389	300-265		1	300	Radioactive Process	########	########				350.0	1.0			350.000		4	Liquid	300R-4	300-265	Rp-s	1971	Rp-dn	2004							2005	RTD			Rp-ds	30	2035	Rp-s
R	4434	300-270	Unplanned Release at 313 Building	1	300	Unplanned Release	########	########								0.999	Soil	4	Liquid	300R-4	300-270	Rp-s	1969	G-dn	1969							2006	RTD			Rp-ds	30	2036	Rp-s
R	1927	300-28		1	300	Unplanned Release	593926.19	116092.34			line	168.0	6.5			1055.000		4	Soil-Debris	300R-4	300-28	Rp-s	1990	ABC	1998							2008	RTD			Rp-ds	30	2038	Rp-s
R	1926	300-33		1	300	Unplanned Release	593978.44	116125.02			polygon	115.8	48.8			5648.505		4	Soil-Debris	300R-4	300-33	Rp-s	1956	Rp-dn	1990							2009	RTD			Rp-ds	30	2039	Rp-s
R	3681	300-39	309 Building Ex-vessel Irradiated Fuel Storage Basin, 309 Building Irradiated Fuel Storage Basin, 309 Fuel Storage	1	300	Storage	########	########				27.4	10.1	10.4		275.922	Equipment	4	Soil-Debris	300R-4	300-39	Rp-s	1969	ABC	1969							2007	RTD			Rp-ds	30	2037	Rp-s
R	1737	300-4		1	300	Unplanned Release	593785.50	116261.41			polygon	19.5	21.3			415.000		4	Liquid/Soil-Debris	300R-4	300-4	Rp-s	1949	Rp-dn	1990							2009	RTD			Rp-ds	30	2039	Rp-s
R	1782	300-40		1	300	Unplanned Release	593900.69	116121.05			point					0.030		4	Liquid	300R-4	300-40	Rp-s	1980	G-dn	1995							2009	RTD			Rp-ds	30	2039	Rp-s
R	3803	300-48		1	300	Unplanned Release	593833.13	116062.49			polygon	14.7	8.7			126.813		4	Liquid	300R-4	300-48	Rp-s	1949	Rp-dn	1970							2010	RTD			Rp-ds	30	2040	Rp-s
R	4000	300-80	300-80, 314 Building Stormwater Runoff and Steam Condensate, Miscellaneous Stream #268	1	300	French Drain	593706.75	116107.03			polygon	1.2192	1.2192			1.486	Stormwater Runoff	4	Liquid	300R-4	300-80	Rp-s	1969	ABC	1969							2010	RTD			Rp-ds	30	2040	Rp-s
R	1052	303-K_CWS	303-K CWS, 303-K Contaminated Waste Storage	1	300	Storage	593802.56	116112.54			Polygon	24.0792	28.6512	4.1148		689.898	Barrels/Drums/Buckets/Cans	4	Soil and Liquid	300R-4	303-K_CWS	Rp-s	1944	ABC	1944							2002	RTD			Rp-ds	30	2032	Rp-s

Geographic and Operational Site Parameters for Waste Sites To Be Simulated in the 2004 Composite Analysis

Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
R	1053	303-M-SA	303-M SA, 303-M Storage Area, 303-M Building Storage Area	1	300	Storage	594001.50	116273.07			Polygon	13.65504	10.60704	0.1270102		144.840	Barrels/Drums/Buckets/Cans	4	Soil and Liquid	300R-4	303-M-SA	Rp-s	1983	ABC	1987							2010	RTD			Rp-ds	30	2040	Rp-s
R	1054	303-M-UOF	303-M UOF, 303-M Uranium Oxide Facility	1	300	Process Unit/Plant	594012.88	116273.00			Polygon					99.900	Chemicals	4	Cement	300R-4	303-M-UOF	Rp-s	1983	ABC	1987							2010	RTD			Rp-ds	30	2040	Rp-s
R	1057	305-B_SF	305-B SF, 305-B Storage Facility	1	300	Storage	593723.38	116159.29			Polygon	36.8808	11.5824	5.4864		427.168	Chemicals	4	Soil and Liquid	300R-4	305-B_SF	Rp-s	1978	ABC	1978							2010	RTD			Rp-ds	30	2040	Rp-s
R	1058	307_RB		1	300	Retention Basin	594163.31	115909.95			polygon	8.5	5.2	2.7		44.222		4	Liquid	300R-4	307_RB	Rp-s	1953	Rp-dn	2005							2007	RTD			Rp-ds	30	2037	Rp-s
R	1661	309-WS-1	The 309-WS-1 Vault is a below grade, reinforced concrete structure containing two levels. The vault has connecting piping to the dome. The upper (main vault) level housed the ion exchangers (IX) used for moderator cleaning, while the lower (resin dispos	1	316	Process Unit/Plant	594148.88	115693.64			Point	4.2672	4.2672	4.8768		18.209	Chemicals	4	Cement/Liquid	316R-4	309-WS-1	Rp-s	1961	ABC	1969							2009	RTD			Rp-ds	30	2039	Rp-s
R	1662	309-WS-2	309-WS-2, Rupture Loop Ion Exchange Pit, Ion Exchange Vault, Rupture Loop Annex Ion Exchange Loop Vault, RLAIX, PRTR Rupture Loop	1	316	Process Unit/Plant	594127.63	115705.52			Point	7.9735681	4.8249841	4.8768		38.462	Equipment	4	Cement	316R-4	309-WS-2	Rp-s	1960	ABC	1969							2009	RTD			Rp-ds	30	2039	Rp-s
R	1070	313_ESSP	313 ESSP, 313 East Side Storage Pad, 313 Building East Site Storage Pad	1	300	Storage	593877.56	116107.71			Polygon					99.900	Barrels/Drums/Buckets/Cans	4	Soil and Liquid	300R-4	313_ESSP	Rp-s	1969	ABC	1969							2010	RTD			Rp-ds	30	2040	Rp-s
R	1076	316-1		1	300	Pond	594283.63	116106.10	6	(594161.253,116208.892), (594299.780,116227.251), (594438.307,116170.505), (594454.997,116015.288), (594191.295,116006.943), (594161.253,116208.892)	polygon	182.9	114.3			32000.000		4	Liquid	300R-4	316-1	Rp-s	1943	Rp-dn	1975							2001	RTD			Rp-ds	30	2031	Rp-s
R	1077	316-2		1	300	Pond	594238.69	116566.36	7	(594331.491,116724.613), (594131.211,116642.832), (594126.204,116492.622), (594166.260,116389.144), (594379.892,116392.482), (594379.892,116554.375), (594331.491,116724.613)	polygon	189.0	182.9			40000.000		4	Liquid	300R-4	316-2	Rp-s	1949	Rp-dn	1974							1999	RTD			Rp-ds	30	2029	Rp-s
R	1078	316-3		1	316	Trench	594273.63	115861.58			polygon	182.9	3.0	6.1		557.418		4	Liquid	316R-4	316-3	Rp-s	1953	Rp-dn	1963							2011	RTD			Rp-ds	30	2041	Rp-s
P	1079	316-4		1	616	Crib	590974.44	121671.41			point	7.9	7.9			62.802		4	Liquid	616P-4	316-4	Rp-s	1948	Rp-dn	1956							2006	RTD			Rp-ds	30	2036	Rp-s
R	1080	316-5		1	316	Trench	594083.81	116715.63	5	(594114.705,116392.304), (594105.094,116887.288), (593992.961,116887.288), (593992.961,116392.304), (594114.705,116392.304)	polygon	467.9	3.0	3.7		1426.062		4	Liquid	316R-4	316-5	Rp-s	1975	Rp-dn	1994							1998	RTD			Rp-ds	30	2028	Rp-s
R	1086	325_WTF	325 WTF, 325 Waste Treatment Facility, 325 Hazardous Waste Treatment Units	1	300	Process Unit/Plant	593983.22	115804.51			Polygon					99.900	Chemicals	4	Cement/Liquid	300R-4	325_WTF	Rp-s	1969	ABC	1969							2011	RTD			Rp-ds	30	2041	Rp-s
R	1087	331_LSLDF		1	316	Drain/Tile Field	594641.25	115364.73			polygon					831.109		4	Liquid	316R-4	331_LSLDF	Rp-s	1970	Rp-dn	1974							2010	RTD			Rp-ds	30	2040	Rp-s
R	1089	331_LSLT2	331 LSLT2, 331 LSL Trench 2, 331 Life Sciences Laboratory Trench #2	1	316	Trench	594592.13	115395.33			point			2.1		99.900	Animal Waste	4	Liquid	316R-4	331_LSLT2	Rp-s	1966	Rp-dn	1974							2011	RTD			Rp-ds	30	2041	Rp-s
R	1091	333_ESHWSA	333 ESHWSA, 333 East Side HWSA, 333 Building East Side Hazardous Waste Storage Area	1	300	Storage	594003.44	116284.65			Polygon					99.900	Barrels/Drums/Buckets/Cans	4	Liquid	300R-4	333_ESHWSA	Rp-s	1964	ABC	1964							2011	RTD			Rp-ds	30	2041	Rp-s
R	1103	3712_USSA	3712 USSA, 3712 Uranium Scrap Storage Area, 3712 Building Uranium Scrap Storage Area, 3712 Fuels Warehouse	1	300	Storage	593907.44	116149.45			Polygon					99.900	Chemicals	4	Soil-Debris	300R-4	3712_USSA	Rp-s	1961	ABC	1961							2011	RTD			Rp-ds	30	2041	Rp-s
R	1563	UPR-300-1		1	300	Unplanned Release	594171.31	115927.14			point				3.7	0.999		4	Liquid	300R-4	UPR-300-1	Rp-s	1969	Rp-dn	1969							2011	RTD			Rp-ds	30	2041	Rp-s
R	1564	UPR-300-10		1	300	Unplanned Release	593949.25	115795.88			point					0.999		4	Liquid	300R-4	UPR-300-10	Rp-s	1977	Rp-dn	1977							2012	RTD			Rp-ds	30	2042	Rp-s
R	1565	UPR-300-11		1	300	Unplanned Release	594171.00	115929.57			point	0.6	0.9	7.6		0.557		4	Liquid	300R-4	UPR-300-11	Rp-s	1977	Rp-dn	1977							2011	RTD			Rp-ds	30	2041	Rp-s
R	1566	UPR-300-12		1	300	Unplanned Release	594024.81	115789.26			polygon	12.2	0.3			3.716		4	Liquid	300R-4	UPR-300-12	Rp-s	1979	Rp-dn	1979							2012	RTD			Rp-ds	30	2042	Rp-s
R	1573	UPR-300-2		1	300	Unplanned Release	594176.50	115935.44			polygon					240.686		4	Liquid	300R-4	UPR-300-2	Rp-s	1954	Rp-dn	1977							2011	RTD			Rp-ds	30	2041	Rp-s
R	1586	UPR-300-32		1	300	Unplanned Release	594290.13	116037.09			point					0.999		4	Liquid	300R-4	UPR-300-32	Rp-s	1974	Rp-dn	1974							2001	RTD			Rp-ds	30	2031	Rp-s
R	1588	UPR-300-34		1	300	Unplanned Release	594290.13	116037.09			point					0.999		4	Liquid	300R-4	UPR-300-34	Rp-s	1973	Rp-dn	1973							2001	RTD			Rp-ds	30	2031	Rp-s
R	1590	UPR-300-36		1	300	Unplanned Release	594290.13	116037.09			point					0.999		4	Liquid	300R-4	UPR-300-36	Rp-s	1973	Rp-dn	1973							2001	RTD			Rp-ds	30	2031	Rp-s
R	1591	UPR-300-37		1	300	Unplanned Release	594290.13	116037.09			point					3124.040		4	Liquid	300R-4	UPR-300-37	Rp-s	1972	Rp-dn	1972							2001	RTD			Rp-ds	30	2031	Rp-s
R	1592	UPR-300-38		1	300	Unplanned Release	593848.81	116106.30			point					12.917		4	Liquid	300R-4	UPR-300-38	Rp-s	1954	Rp-dn	1989							2012	RTD			Rp-ds	30	2042	Rp-s
R	1593	UPR-300-39	UPR-300-39, UN-300-39, Sodium Hydroxide Leak at 311 Tank Farm	1	300	Unplanned Release	593901.56	116110.72			polygon					0.999	Chemicals	4	Liquid	300R-4	UPR-300-39	Rp-s	1954	Rp-dn	1954							2012	RTD			Rp-ds	30	2042	Rp-s
R	1594	UPR-300-4		1	300	Unplanned Release	593794.63	115856.95			polygon	30.5	30.5	6.1		929.030		4	Liquid	300R-4	UPR-300-4	Rp-s	1945	Rp-dn	1955							2012	RTD			Rp-ds	30	2042	Rp-s

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Geographic Area	WIDS Site ID	WIDS Site Code	WIDS Site Name	On CA List	VZ Template Site Type	Site Type	Center Xcoordinate (E)	Center Ycoordinate (N)	Number of (X,Y) Coordinate Points	(X,Y) Coordinate String	GIS Feature Type	Length (m)	Width (m)	Depth / Height (m)	Diameter (m)	Area (m^2)	Waste/Material Type
R	1595	UPR-300-40		1	300	Unplanned Releas	593891.69	116112.02			polygon					25.948	
R	1600	UPR-300-45		1	300	Unplanned Releas	593895.88	116107.51			point					*0.999*	
R	1758	UPR-300-48		1	300	Unplanned Releas	594000.00	115760.00			point					*0.999*	
R	1602	UPR-300-5		1	300	Unplanned Releas	594161.88	115662.42			point	1.2	6.1	0.5		7.432	
R	1606	UPR-300-FF-1		1	300	Unplanned Releas	594152.06	116283.70			point					*0.999*	
Q	1141	4843		1	400	Storage	587150.38	123340.51			polygon	12.2	12.2			148.645	Dangerous and mixed alkali metal wastes including mixec sodium waste
R	3783	600-117	300 Area Treated Effluent Disposal Facility (TEDF)	1	300	Process Unit/Plant	593723.23	117350.94			polygon	143.3	91.4			16187.430	
M	1759	600-58	H. J. Ashe Substation Oil/Water Seperator and Drywells	1	616	French Drain	589348.04	127925.03						4.6		*0.999*	
M	1760	600-59	H.J.Ashe Substation Storage Area	1	600	Storage	589323.19	127908.42			polygon	6.1	4.6			27.877	
P	4394	600-259	Special Waste Form Lysimeter, Grout Waste Test Lysimeter	1	600	Laboratory	591500.00	121500.00				25.0	25.0			625.000	
R	1197	618-1		1	316	Burial Grounc	594020.94	116233.76			polygon	97.5	45.7			3299.915993	
P	1198	618-10		1	616	Burial Grounc	590834.00	121723.23			polygon	152.4	152.4			23225.761	
M	1199	618-11		1	616	Burial Grounc	588977.31	127263.38			polygon	304.8	114.3			34838.641	
R	1201	618-13		1	316	Burial Grounc	592879.63	116237.92			polygon	38.1	15.2	7.62		580.644	
R	1202	618-2		1	316	Burial Grounc	594020.63	116360.76			polygon	106.7	65.5			6990.954	
R	1203	618-3		1	316	Burial Grounc	593961.75	116367.56			polygon	121.9	51.2	4.572		6243.084	
R	1204	618-4		1	316	Burial Grounc	593929.31	117011.69			polygon	178.7	68.1			12172.846	
R	1205	618-5		1	316	Burial Grounc	594184.06	116830.02			polygon	96.0	56.0			5376.000	
R	1207	618-7		1	316	Burial Grounc	593222.88	116585.24			polygon	216.1	202.4			43736.522	
R	1208	618-8		1	316	Burial Grounc	593820.06	116409.59			polygon	182.9	30.5			5574.183	
R	1209	618-9		1	316	Burial Ground	592821.50	116325.00			polygon	56.4	12.2	4.572		687.483	
	TOTALS			**1022**													

WIDS Site ID	Waste Chem. Group	Release Models	VZBase Template	Site Template	Pre-Hanford Infiltration Class	Operational Start	Operational Infiltration Class	Operational End	IRA-1 Year Complete	IRA-1 Type	IRA-1 Infiltration Class	IRA-2 Year Complete	IRA-2 Type	IRA-2 Infiltration Class	Year Remedial Action Complete	Remediation Type	Barrier Type	Barrier Infiltration Class	Post Remediation Infiltration Class	Barrier Design Life	Barrier End Date	Final/Long Term Infiltration Class
1595	4	Liquid	300R-4	UPR-300-40	Rp-s	1974	Rp-dn	1974							2012	RTD			Rp-ds	30	2042	Rp-s
1600	4	Liquid	300R-4	UPR-300-45	Rp-s	1985	Rp-dn	1985							2012	RTD			Rp-ds	30	2042	Rp-s
1758	4	Liquid	300R-4	UPR-300-48	Rp-s	*1991*	Rp-dn	1991							2012	RTD			Rp-ds	30	2042	Rp-s
1602	4	Liquid	300R-4	UPR-300-5	Rp-s	1973	Rp-dn	1973							2012	RTD			Rp-ds	30	2042	Rp-s
1606	4	Soil-Debris	300R-4	UPR-300-FF-1	Rp-s	*1945*	Rp-dn	*1990*							2003	RTD			Rp-ds	30	2033	Rp-s
1141	4	Soil-Debris	400Q-4	4843	Rp-s	1986	Rp-dn	1997							1995	No Action			Rp-ds	30	2025	Rp-s
3783	*4*	Cement	300R-4	600-117	~~Rp-s~~	1994	ABC	*2020*							2012	RTD			Rp-ds	30	2042	Rp-s
1759	4	Liquid	616M-4	600-58	Rp-s	1988	Rp-dn	*2020*							*2012*	*RTD*			Rp-ds	30	2042	Rp-s
1760	4	Soil-Debris	600M-4	600-59	Rp-s	1976	Rp-dn	*1976*							*2012*	*RTD*			Rp-ds	30	2042	Rp-s
4394	4	Soil-Debris	600P-4	600-259	Rp-s	1984	Rp-dn	1994							2012	*RTD*			*Rp-ds*	30	2042	Rp-s
1197	4	Soil-Debris	316R-4	618-1	Rp-s	1945	Rp-dn	1951							2010	RTD			Rp-ds	30	2040	Rp-s
1198	4	Soil-Debris	616P-4	618-10	Rp-s	1954	Rp-dn	1963							2011	RTD			Rp-ds	30	2041	Rp-s
1199	4	Soil-Debris/Cement	616M-4	618-11	Rp-s	1962	Rp-dn	1967							2012	RTD			Rp-ds	30	2042	Rp-s
1201	4	Soil and Liquid	316R-4	618-13	Rp-s	1950	Rp-dn	1950							2012	RTD			Rp-ds	30	2042	Rp-s
1202	4	Soil-Debris	316R-4	618-2	Rp-s	1951	Rp-dn	1954							2006	RTD			Rp-ds	30	2036	Rp-s
1203	4	Soil-Debris	316R-4	618-3	Rp-s	1954	Rp-dn	1955							2006	RTD			Rp-ds	30	2036	Rp-s
1204	4	Soil-Debris	316R-4	618-4	Rp-s	1955	Rp-dn	1961							2003	RTD			Rp-ds	30	2033	Rp-s
1205	*4*	Soil-Debris	316R-4	618-5	Rp-s	1945	Rp-dn	1962							2008	RTD			Rp-ds	30	2038	Rp-s
1207	4	Soil-Debris	316R-4	618-7	Rp-s	1960	Rp-dn	1973							2008	RTD			Rp-ds	30	2038	Rp-s
1208	*4*	Soil-Debris	316R-4	618-8	Rp-s	1954	Rp-dn	1954							2012	RTD			Rp-ds	30	2042	Rp-s
1209	*4*	Soil-Debris	316R-4	618-9	Rp-s	1950	Rp-dn	1956							1991	RTD			Rp-ds	30	2021	Rp-s
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