

Waste Data System Data Dictionary

WDS Data Dictionary: Assay Methods Table (STG_WC_ASSAY_METHODS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	Container number	N/A
CHARZ_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the program performing the characterization	N/A
CHARZ_METHOD	VARCHAR2(20)	Identifies the program-specific certified assay method or system that was used to identify and quantify the radionuclide masses and activities.	N/A
CHARZ_DATE	DATE	The date that the assay was performed.	N/A

WDS Data Dictionary: Characterization Methods Table (STG_WC_CHARZ_METHODS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
CHARZ_PROGRAM_ABBR	VARCHAR2(4)	An abbreviated code for the program performing the characterization	N/A
CHARZ_METHOD	VARCHAR2(20)	Identifies the program-specific certified assay method or system that was used to obtain the waste characterization data using radiography, visual examination, headspace gas analysis, or solid sampling..	N/A
CHARZ_DATE	DATE	The date on which the characterization method was performed.	N/A

WDS Data Dictionary: Comments Table (STG_WC_COMMENTS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
COMMENTS	VARCHAR2(1000)	Additional information about the waste container	N/A

WDS Data Dictionary: Filters Table (STG_WC_FILTERS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
FILTER_MODEL	VARCHAR2(6)	The model number of the filter used on the waste container.	N/A
FILTER_INSTALL_DATE	DATE	The date that the filter was installed on the waste container.	N/A
QTY	NUMBER(38)	Number of filters of the specified filter model installed on the specified date	N/A

Waste Data System Data Dictionary

WDS Data Dictionary: EPA Hazardous Waste Numbers Table (STG_WC_HAZ_CODES)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
HAZ_CODE	VARCHAR2(4)	EPA Hazardous Waste Numbers applied to the waste container.	N/A

WDS Data Dictionary: Inner Cans Table (STG_WC_INNER_CANS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
CAN_NUM	VARCHAR2(16)	A unique number obtained from the site packaging records for an inner can.	N/A
PARENT_CAN_NUM	VARCHAR2(16)	A unique number obtained from site packaging records for the can containing this can, if applicable.	N/A
CLOSURE_DATE	DATE	Date that the can was closed.	N/A
RH_LAYER_TYPE_ID	VARCHAR2(3)	The RH Layer Type identifier, if applicable.	N/A
DECAY_HEAT	NUMBER	The calculated rate of deposition of thermal energy within the can associated with the decay of radionuclides. The terms "decay heat", "Watts", and "thermal power" are synonymous.	W
DECAY_HEAT_UNCERT	NUMBER	Uncertainty reported as 1 Sigma or 1 times the error associated with the calculated decay heat value for the can.	W
FILTER_DIFFUSIVITY	NUMBER	The hydrogen diffusivity of the filter installed on the inner can.	mol/s/mol fraction
FLAM_GAS_GEN_RATE	NUMBER	The measured flammable gas generation rate for the inner can.	mol/s
HYDROGEN_CONC	NUMBER	The measured hydrogen concentration for the inner can.	ppm
SAMPLE_DATE	DATE	Sample date for the hydrogen concentration reported for the can.	N/A
VENT_DATE	DATE	The date when the can was vented.	N/A

Waste Data System Data Dictionary

WDS Data Dictionary: Waste Material Parameters Table (STG_WC_MAT_PARMS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
WASTE_MATL_PARM	NUMBER(38)	Waste materials having the potential of impacting the repository performance. The sum of these parameters will be added and is equal to the waste weight (which excludes the weight of the container, liners, and other packaging materials).	N/A
WGT_OF_MAT_PARMS	NUMBER	Estimated weight of the waste material parameter.	kg

WDS Data Dictionary: Nuclides Table (STG_WC_NUCLIDES)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
RADIONUCLIDE	VARCHAR2(7)	The radionuclide identified for the waste container.	N/A
ACTIVITY	NUMBER	Activity of individual radionuclide	Ci
ACTIVITY_UNCERT	NUMBER	Uncertainty reported as 1 Sigma or 1 times the error associated with the activity of individual radionuclide.	Ci
MASS	NUMBER	Mass of individual radionuclide	g
MASS_UNCERT	NUMBER	Uncertainty reported as 1 Sigma or 1 times the error associated with the mass of individual radionuclide.	g

WDS Data Dictionary: Sample Amounts Table (STG_WC_SAMPLE_AMOUNTS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
SAMPLE_NUM	VARCHAR2(20)	The identification number assigned to the sample to which the results belong.	N/A
ANALYSIS_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program analyzing the sample.	N/A
CAS_NUMBER	VARCHAR2(20)	The Chemical Abstract Service number of the element, ion, or compound the analysis seeks to determine; the element of interest.	N/A
CONC_PPM	NUMBER	Concentration of the analyte in the sample.	ppm
METHOD	VARCHAR2(20)	The approved/certified characterization method used to obtain the data for the sample.	N/A
DATE_ANALYZED	DATE	The date that the sample was analyzed.	N/A

Waste Data System Data Dictionary

Field Name	Field Format	Definition	Units
REPORTING_FLAG_NA	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that no reporting flags are applicable to the sample for this analyte.	N/A
REPORTING_FLAG_B	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that the analyte was detected in the blank for the analysis.	N/A
REPORTING_FLAG_D	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that the analyte was quantitated from a secondary dilution or reduced sample aliquot.	N/A
REPORTING_FLAG_E	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that the reported concentration exceeds the calibration curve for the analyte.	N/A
REPORTING_FLAG_J	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that the analyte concentration is less than the PRQL, but greater than or equal to the MDL for the analysis method.	N/A
REPORTING_FLAG_U	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that the analyte was not detected in the sample at a concentration greater than or equal to the MDL.	N/A
REPORTING_FLAG_Z	VARCHAR2(2)	Designator used by the analytical laboratory to indicate that one or more QC samples do not meet acceptance criteria.	N/A

WDS Data Dictionary: Samples Table (STG_WC_SAMPLES)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
SAMPLE_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program taking the sample.	N/A
SAMPLE_NUM	VARCHAR2(20)	A unique number used to identify the sample.	N/A
SAMPLE_TYPE	VARCHAR2(8)	An abbreviation or acronym for the type of sample that was collected.	N/A
DATE_SAMPLED	DATE	The date the sample was taken	N/A
LAYER_NO_SAMPLED	NUMBER(38)	The layer of confinement within a waste container where the sample was obtained for headspace gas sampling.	0-6

Waste Data System Data Dictionary

WDS Data Dictionary: Waste Containers Table (STG_WST_CNTRS)

Field Name	Field Format	Definition	Units
CNTR_NUM	VARCHAR2(16)	A unique identification number assigned to each container.	N/A
CERT_CHARZ_FLAG	VARCHAR2(5)	Flag identifying type of data being submitted - CERT/CHARZ	N/A
SHIP_SITE	VARCHAR2(4)	Abbreviated code for the site that is shipping the container.	N/A
CURLOC_SITE	VARCHAR2(4)	Site where container is currently located.	N/A
DEST_SITE	VARCHAR2(4)	Destination site for the container.	N/A
TYPE_CODE	NUMBER(38)	A numeric code indicating the type of the container.	N/A
ALPHA_SURF_CONT	NUMBER	The removable alpha emitting radionuclide surface contamination on the waste container.	dpm/cm ²
AQUEOUS_MATERIAL	VARCHAR2(1)	A field indicating whether or not the waste is solidified aqueous waste.	N/A
ASPIRATION_METHOD_ID	VARCHAR2(2)	The method used for aspirating a closed container that has been stored in an unvented condition prior to shipment.	N/A
BETA_GAMMA_SURF_CONT	NUMBER	The removable beta/gamma emitting contamination on the waste container	dpm/cm ²
BE_CHEM_MECH_BOUND	VARCHAR2(1)	A field indicating whether or not beryllium, if present in the waste, is chemically or mechanically bound.	N/A
BE_LE_100KG	VARCHAR2(1)	A field indicating whether or not beryllium is present in quantities less than or equal to 100kg.	N/A
BE_LE_1PCT	VARCHAR2(1)	A field indicating whether or not beryllium is present in quantities greater than or equal to 1% by weight of the waste.	N/A
BE_PRESENT	VARCHAR2(1)	A field indicating whether or not any beryllium is present in the waste.	N/A
BG_DOSE_RATE	NUMBER	The beta/gamma contact dose rate at the surface of the waste container.	mrem/h
CERT_DATE	DATE	The date when the certifying official signed the certification statement.	N/A
CERT_SITE	VARCHAR2(4)	Abbreviated code for the site or program that certified the waste for shipment.	N/A
CLOSURE_DATE	DATE	The date that the waste container was closed.	N/A
COMPACTED	VARCHAR2(1)	A field indicating whether or not the waste container contains waste that was machine compacted.	N/A
DUNNAGE	VARCHAR2(1)	A field indicating whether or not the container is dunnage.	N/A

Waste Data System Data Dictionary

Field Name	Field Format	Definition	Units
DECAY_HEAT	NUMBER	The calculated rate of deposition of thermal energy within the container associated with the decay of radionuclides. The terms "decay heat", "Watts", and "thermal power" are synonymous.	W
DECAY_HEAT_UNCERT	NUMBER	Uncertainty reported as 1 Sigma or 1 times the error associated with the calculated decay heat value for the container.	W
FEM	NUMBER	The calculated U-235 fissile equivalent mass for the container, if applicable.	FEM
FEM_UNCERT	NUMBER	The uncertainty reported as 1 Sigma or 1 times the error associated with the measured U-235 fissile equivalent mass for the container.	FEM
FILL_FACTOR	NUMBER	Percentage of the waste container occupied by waste.	%
FILTER_REDUCTION_DATE	DATE	Date on which the transportation filters are capped and the temporary filter installed for the purposes of transportation headspace gas sampling. Applies to SLB2 only	N/A
GAS_GEN_COMP_DATE	DATE	The date the gas generation testing was completed for the container.	N/A
GAS_GEN_RATE	NUMBER	The measured total gas generation rate for the container based on gas generation testing.	mol/s
GAS_HYD_METH_GEN_RATE	NUMBER	The measured hydrogen and methane gas generation rate for the container based on gas generation testing.	mol/s
GENERATOR_SITE	VARCHAR2(4)	Abbreviated code for the site at which the waste was generated.	N/A
GROSS_WEIGHT	NUMBER	Gross weight of the container	kg
GROSS_WEIGHT_UNCERT	NUMBER	The uncertainty reported as 1 Sigma or 1 times the error associated with the measured gross weight of the container	kg
HANDLING_CODE	VARCHAR2(2)	The handling code for the waste – CH or RH.	N/A
IDC_CODE	VARCHAR2(4)	A specific Item description code (IDC) assigned to specific waste forms.	N/A
LAYERS_OF_PACKAGING	NUMBER(38)	Identifies the number of layers of plastic confinement in a container.	N/A
LINER_EXISTS	VARCHAR2(1)	A field that indicates the presence or absence of a rigid liner within the container.	N/A
LINER_LID_PRESENT	VARCHAR2(1)	A field that indicates the presence or absence of a rigid liner lid if a rigid liner is present.	N/A
LINER_HOLE_SIZE	NUMBER	A field that indicates the size of the hole in the rigidliner lid if a lid is present.	mm
LINER_PUNCTURED	VARCHAR2(1)	A field indicating whether or not a rigid liner is vented with a minimum 7.62mm hole if a liner is present.	N/A

Waste Data System Data Dictionary

Field Name	Field Format	Definition	Units
LINER_TYPE	VARCHAR2(3)	Identifies the type of the liner in the container if one is present.	N/A
MATRIX_CODE	VARCHAR2(5)	Waste matrix code assigned to this container.	N/A
NEUT_DOSE_RATE	NUMBER	The neutron contact dose rate at the surface of the container.	mrem/h
OVERPK_CNTR_NUM	VARCHAR2(16)	The container number of the overpack container if this container has been overpacked.	N/A
PCB_CONC	NUMBER	The concentration of PCBs in the container	ppm
PCB_MASS	NUMBER	The estimated mass of PCBs in containers that contain PCB articles or solidified PCBs.	kg
PCB_OUT_OF_SERVICE	DATE	The date that the PCBs in container were taken out of service.	N/A
PCB_WASTE	VARCHAR2(1)	A field that indicates whether or not the container contains PCBs in a concentration greater than 50 ppm.	N/A
PROCESS_KNOWLEDGE	VARCHAR2(1)	A field indicating that it can be shown by process knowledge that the flammable VOC concentration for the container is less than or equal to 500 ppm.	N/A
PU239_EQ_ACT	NUMBER	The plutonium-239 equivalent activity per container.	PE-Ci
PU239_FISS_GM_EQ	NUMBER	The plutonium-239 fissile gram equivalent per container.	g
PU239_FISS_GM_EQ_UNCERT	NUMBER	The uncertainty reported as 1 Sigma or 1 times the error associated with the plutonium-239 fissile gram equivalent per container.	g
REDUCED_FILTER_MODEL	VARCHAR2(6)	The model number of the filter installed for the purposes of transportation headspace gas sampling. Applies to SLB2 only	N/A
SEPARATION_OK	VARCHAR2(1)	A field indicating that the dimensions of container ensure a minimum 1/2-inch separation between compacted waste contents and other axially adjacent payload containers	N/A
SHIPPING_CATEGORY	VARCHAR2(10)	The shipping category assigned to a container.	N/A
SHIPPING_PURPOSE	VARCHAR2(1)	A field indicating the purpose for shipping this container.	N/A
TRUCON_CODE	VARCHAR2(8)	The TRUCON code that is used to describe the container contents based on information from the approved waste stream profile form and the TRUCON document.	N/A
TRUNC_FGGR	VARCHAR2(1)	A field indicating whether or not a truncated FGGR test was performed for the container.	N/A
TRUNC_FGGR_PERIOD	NUMBER	The shipping period associated with the truncated FGGR test if one was performed.	days
TRU_ALPHA_ACT	NUMBER	Calculated total alpha activity of the reported transuranic isotopes present in the container.	Ci

Waste Data System Data Dictionary

Field Name	Field Format	Definition	Units
TRU_ALPHA_ACT_CONC	NUMBER	Calculated TRU alpha activity concentration of the Transuranic isotopes divided by the mass of the waste within a container.	Ci/g
TRU_ALPHA_ACT_CONC_UNCERT	NUMBER	The uncertainty reported as 1 Sigma or 1 times the error associated with the TRU waste alpha activity concentration.	Ci/g
TRU_ALPHA_ACT_UNCERT	NUMBER	The uncertainty reported as 1 Sigma or 1 times the error associated with the TRU waste alpha activity.	Ci
VENT_DATE	DATE	The date that the container was first vented and if applicable, the rigid liner was punctured.	N/A
WAC_EXCEPT_NUM	VARCHAR2(13)	A number granted for an exception to the WAC. When used, the number should consist of the SITE_ID plus the last two numbers of the fiscal year that the request was made plus a sequential number beginning at one each year.	N/A
WAC_REV_NUM	VARCHAR2(8)	Revision number of the WIPP-WAC to which the waste was certified.	N/A
WASTE_GEN_DATE	DATE	The date on which the waste in the container was generated.	N/A
WST_STRM_BIR_ID	VARCHAR2(15)	Waste stream baseline inventory report (BIR) identification number.	N/A
WST_STRM_MWIR_ID	VARCHAR2(15)	Waste stream mixed waste inventory report (MWIR) identification number.	N/A
WST_STRM_PROFILE	VARCHAR2(20)	The number assigned to the waste stream profile form associated with the waste stream.	N/A