

# Waste Data System Data Dictionary

**Table Name: STG\_WC\_ASSAY\_METHODS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
ASSAY_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program performing the assay
ASSAY_METHOD	VARCHAR2(20)	Method by which the container was assayed
ASSAY_DATE	DATE	Date the container was assayed

**Table Name: STG\_WC\_CHARZ\_METHODS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
CHARZ_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program performing the characterization
CHARZ_METHOD	VARCHAR2(20)	Method by which the waste was characterized
CHARZ_DATE	DATE	Date characterization method performed

**Table Name: STG\_WC\_COMMENTS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
COMMENTS	VARCHAR2(1000)	Detailed information about specifics of the waste container

**Table Name: STG\_WC\_FILTERS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
FILTER_MODEL	VARCHAR2(6)	Filter model number
FILTER_INSTALL_DATE	DATE	Filter installation date
QTY	NUMBER(38)	Number of filters of the specified filter model installed on specified date

**Table Name: STG\_WC\_HAZ\_CODES**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
HAZ_CODE	VARCHAR2(4)	EPA Hazardous Waste Number

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**Table Name: STG\_WC\_INNER\_CANS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
CAN_NUM	VARCHAR2(16)	Can number for the inner can layer - unique for generating site
PARENT_CAN_NUM	VARCHAR2(16)	Can number of the inner can layer's parent can layer
CLOSURE_DATE	DATE	Closure date for the inner can layer
RH_LAYER_TYPE_ID	VARCHAR2(3)	RH Layer Type identifier
DECAY_HEAT	NUMBER	Decay heat for the inner can layer
DECAY_HEAT_UNCERT	NUMBER	Decay heat uncertainty for the inner can layer
FILTER_DIFFUSIVITY	NUMBER	Filter diffusivity for the inner can layer
FLAM_GAS_GEN_RATE	NUMBER	Flammable gas generation rate for the inner can layer
HYDROGEN_CONC	NUMBER	Hydrogen concentration for the inner can layer
SAMPLE_DATE	DATE	Sample date for the hydrogen concentration reported for the can layer
VENT_DATE	DATE	Vent date for the can layer

**Table Name: STG\_WC\_MAT\_PARMS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
WASTE_MATL_PARM	NUMBER(38)	Waste material parameter
WGT_OF_MAT_PARMS	NUMBER	Estimated weight of the waste material parameters

**Table Name: STG\_WC\_NUCLIDES**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
RADIONUCLIDE	VARCHAR2(7)	Radionuclide symbol, i.e., PU-239
ACTIVITY	NUMBER	Activity of individual radionuclide
ACTIVITY_UNCERT	NUMBER	Uncertainty in the activity of individual radionuclides
MASS	NUMBER	Mass of individual radionuclide
MASS_UNCERT	NUMBER	Uncertainty in the mass of individual radionuclide

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**Table Name: STG\_WC\_SAMPLES**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
SAMPLE_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program taking the sample
SAMPLE_NUM	VARCHAR2(20)	Sample identification number
SAMPLE_TYPE	VARCHAR2(8)	Identification for type of sample
DATE_SAMPLED	DATE	Date of sample taken
LAYER_NO_SAMPLED	NUMBER(38)	Layer number sampled

**Table Name: STG\_WC\_SAMPLE\_AMOUNTS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
SAMPLE_NUM	VARCHAR2(20)	Sample identification number
ANALYSIS_PROGRAM_ABBR	VARCHAR2(4)	Abbreviated code for the site program analyzing the sample
CAS_NUMBER	VARCHAR2(20)	Analyte CAS number
CONC_PPM	NUMBER	Concentration of VOCs in the sample
METHOD	VARCHAR2(20)	Method by which the waste was characterized
DATE_ANALYZED	DATE	Date analyzed
REPORTING_FLAG_NA	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_B	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_D	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_E	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_J	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_U	VARCHAR2(2)	Identify detection levels of various analytes within sample
REPORTING_FLAG_Z	VARCHAR2(2)	Identify detection levels of various analytes within sample

**Table Name: STG\_WST\_CNTRS**

Column Name	Data Type	Comments
CNTR_NUM	VARCHAR2(16)	Container number
CERT_CHARZ_FLAG	VARCHAR2(5)	Flag identifying type of data being submitted - CERT/CHARZ
SHIP_SITE	VARCHAR2(4)	Shipper site
CURLOC_SITE	VARCHAR2(4)	Site where container is currently located
DEST_SITE	VARCHAR2(4)	Destination site for the container
TYPE_CODE	NUMBER(38)	Container type code

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Column Name	Data Type	Comments
AK_ASSESSMENT_DATE	DATE	AK Assessment Date - may be populated from OAKS via the AK Assessment Data Transfer web service.
AK_ASSESS_DATE_VERIFY_DATE	DATE	Date that the AK Assessment Date was verified
ALPHA_SURF_CONT	NUMBER	Removable alpha emitting radionuclide surface contamination (dpm/cm <sup>2</sup> )
AQUEOUS_MATERIAL	VARCHAR2(1)	Aqueous material flag - Y/N
ASPIRATION_METHOD_ID	VARCHAR2(2)	Identifier for method used to aspirate container
BETA_GAMMA_SURF_CONT	NUMBER	Removable beta/gamma emitting contamination on container (dpm/cm <sup>2</sup> )
BE_CHEM_MECH_BOUND	VARCHAR2(1)	Beryllium chemically or mechanically bound - Y/N
BE_LE_100KG	VARCHAR2(1)	Beryllium mass <= 100 kg - Y/N
BE_LE_1PCT	VARCHAR2(1)	Beryllium content <= 1% by weight - Y/N
BE_PRESENT	VARCHAR2(1)	Beryllium present in the waste - Y/N
BG_DOSE_RATE	NUMBER	Beta/gamma contact dose rate at the surface (mrem/hr)
BOK_EVAL_ACCEP	VARCHAR2(1)	Basis of Knowledge Evaluation Acceptance flag - Y/null
BOK_VERIFY_DATE	DATE	Date that the BOK Evaluation Acceptance flag was verified
CCEM_NUMBER	VARCHAR2(20)	Chemical Compatibility Evaluation Memo number
CCEM_REVISION_NUMBER	NUMBER(38)	CCEM Revision number - Incremented integer starting with 0
CERT_DATE	DATE	Date when the certifying official signed the cert. statement
CERT_SITE	VARCHAR2(4)	Site where container was certified
CLOSURE_DATE	DATE	Date the container was closed
COMPACTED	VARCHAR2(1)	Waste is machine compacted - Y/N
DUNNAGE	VARCHAR2(1)	Container is dunnage - Y/N
DECAY_HEAT	NUMBER	Rate of deposition of thermal energy in container (w)
DECAY_HEAT_UNCERT	NUMBER	Uncertainty in the decay heat (w)
FEM	NUMBER	U-235 fissile mass equivalent
FEM_UNCERT	NUMBER	U-235 fissile mass equivalent uncertainty
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
GAS_GEN_COMP_DATE	DATE	Gas generation completion date for the container
GAS_GEN_RATE	NUMBER	Gas generation rate for the container based on gas generation testing

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Column Name	Data Type	Comments
GAS_HYD_METH_GEN_RATE	NUMBER	(mol/s) Hydrogen/methane gas generation rate for the container based on gas generation testing (mol/s)
GENERATOR_SITE	VARCHAR2(4)	Site where waste was generated
GROSS_WEIGHT	NUMBER	Gross weight of the container (kg)
GROSS_WEIGHT_UNCERT	NUMBER	Uncertainty in the gross weight of the container (kg)
HANDLING_CODE	VARCHAR2(2)	Handling code for the waste - CH/RH
IDC_CODE	VARCHAR2(4)	Item description code
IWMDL_DATE	DATE	Integrated Waste Management Document List date
LAYERS_OF_PACKAGING	NUMBER(38)	Number of layers of plastic confinement in a container
LINER_EXISTS	VARCHAR2(1)	Liner exists - Y/N
LINER_LID_PRESENT	VARCHAR2(1)	Liner lid present - Y/N
LINER_HOLE_SIZE	NUMBER	Liner hole size (mm)
LINER_PUNCTURED	VARCHAR2(1)	Liner punctured - Y/N
LINER_TYPE	VARCHAR2(3)	Unique liner type identifier
MATRIX_CODE	VARCHAR2(5)	Waste matrix code
NEUT_DOSE_RATE	NUMBER	Neutron contact dose rate at the surface (mrem/hr)
OVERPK_CNTR_NUM	VARCHAR2(16)	Overpack container number
PCB_CONC	NUMBER	Concentration of PCBs in the container (ppm)
PCB_MASS	NUMBER	Mass of PCBs in the container (kg)
PCB_OUT_OF_SERVICE	DATE	Date PCBs in container were taken out of service
PCB_WASTE	VARCHAR2(1)	PCB waste in the container - Y/N
PROCESS_KNOWLEDGE	VARCHAR2(1)	It can be shown by process knowledge that the flammable VOC concentration for the container is <= 500 ppm
PU239_EQ_ACT	NUMBER	Plutonium-239 equivalent activity per container (PE-ci)
PU239_FISS_GM_EQ	NUMBER	Plutonium-239 fissile gram equivalent per container (g)
PU239_FISS_GM_EQ_UNCERT	NUMBER	Plutonium-239 fissile gram equivalent uncertainty (g)
REDUCED_FILTER_MODEL	VARCHAR2(6)	Filter installed for the purposes of transportation headspace gas sampling. Applies to SLB2 only
SEPARATION_OK	VARCHAR2(1)	Dimensions of container ensures a minimum 1/2-inch separation between compacted waste contents and other axially adjacent payload containers
SHIPPING_CATEGORY	VARCHAR2(10)	Shipping category for CH container
SHIPPING_PURPOSE	VARCHAR2(1)	Shipping purpose code

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Column Name	Data Type	Comments
TRUCON_CODE	VARCHAR2(8)	TRUCON code for CH container/content code for RH container
TRUNC_FGGR	VARCHAR2(1)	Truncated FGGR test - Y/N
TRUNC_FGGR_PERIOD	NUMBER	Truncated FGGR period (days)
TRU_ALPHA_ACT	NUMBER	Sum of alpha activities of TRU isotopes (ci)
TRU_ALPHA_ACT_CONC	NUMBER	Sum of alpha activity divided by waste mass of container (ci/g)
TRU_ALPHA_ACT_CONC_UNCERT	NUMBER	Uncertainty in the TRU waste alpha activity concentration
TRU_ALPHA_ACT_UNCERT	NUMBER	Uncertainty in the TRU waste alpha activity (ci)
VENT_DATE	DATE	Date when the container was vented
WAC_EXCEPT_NUM	VARCHAR2(13)	WAC/WWIS exception number
WAC_REV_NUM	VARCHAR2(8)	Revision number of the WAC to which the waste was certified
WASTE_GEN_DATE	DATE	Waste generation date
WST_STRM_BIR_ID	VARCHAR2(15)	Waste stream baseline inventory report (BIR) identification number
WST_STRM_MWIR_ID	VARCHAR2(15)	Waste stream mixed waste inventory report (MWIR) identification number
WST_STRM_PROFILE	VARCHAR2(20)	Waste stream profile identifier