

## Attachment D: Rules for Deriving Annualized Waste Quantities by Stream Disposition Data

Table D-1 summarizes the logic used to derive waste management performance measures from the stream disposition data (SDD). In addition to the specific logic shown in Table D-1, certain exclusions apply to all the measures. These include streams meeting either, or both, of the following criteria:

- Streams identified as Wastewaters (i.e., MPC Code = L1100) or Ground/Surface Waters (i.e., MPC Code = L1300)
- Streams subject to the environmental restoration (ER) exclusion (i.e., Is Remediation Waste = Yes).

**Table D-1. Performance Measure Rollup Logic**

Disposition Activity Category	Category (e.g., Waste Type)	Qty Units	Disposition On-Site? <sup>1</sup>	Disposition Site Category <sup>2</sup>	Quantities Summed	Streams Included
<i>Subcategory = Treatment Performance Measure</i>						
TRT	HLW, TRU, MLLW, LLW	M3	Yes	Irrelevant	Disposition	• On-site treatment
TRT	HLW, TRU, MLLW, LLW	M3	No	≠R-DOE	Disposition	• Off-site treatment at commercial and other non-EM sites (e.g. naval site). • Treatment at sites that are TBD.
<i>Subcategory = Disposal Performance Measure</i>						
DISP	HLW, TRU, MLLW, LLW	M3	Yes	Irrelevant	Disposition	• On-site disposal
DISP	HLW, TRU, MLLW, LLW	M3	No	≠R-DOE	Disposition	• Off-site disposal, including treatment/disposal, at commercial and other non-EM sites. • Disposal at sites that are TBD.
<i>Subcategory = Off-Site DOE Disposal Measure (Shipment to DOE Site)</i>						
TRT, DISP	TRU, MLLW, LLW	M3	No	R-DOE	Disposition	• Off-site treatment or disposal at an EM site.
<i>Subcategory = HLW Canisters Produced</i>						
DISP	HLW	NC	No	GRD <sup>3</sup>	Additions	• Streams comprised of HLW canisters destined for geologic repository.
<i>Subcategory = Inventory Performance Measure</i>						
DISP, TRDI, TRT, OTHPR RECY, TBD	HLW, TRU, MLLW, LLW	M3	Irrelevant	Irrelevant	Inventory	• All TRU, MLLW, and LLW streams except wastewaters, ground/surface waters, and those subject to ER exclusion. • All HLW streams except disposal-ready streams reported in number of canisters.

## Notes

1. Dispositioned on-site? is determined by comparing the disposition Geo\_site\_code (i.e., Flow type = D) in the activity header table with the Geo\_site\_code in the stream header table. If the same, then the disposition is on-site. If not the same, the disposition is off-site.
2. Site category of the disposition Geo\_site\_code (i.e., Flow type = D) in the activity header table.
3. For this measure, this is the disposition Geo\_site\_code (i.e., Flow type = D) in the activity header table (i.e., as opposed to the Disposition Site Category).

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