

Proposed Technical Standard for Dry Active Waste Characterization



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Why Characterization Standard is Needed



- Objectives:

- Provide consistent Complex-wide methodology for radiological characterization of DAW-type wastes
- Comply with DOE Orders, DOT regulations, industry standards
- Standardize use of Process Knowledge & Sampling/Analysis
- Provide technical approach template for project utilization

- Approach:

- Develop DOE Technical Standard through structured process using depth of EFCOG technical resources and Complex-wide review
- Team formed by Waste Management Working Group (WMWG) with overall direction by National Laboratory Subgroup

Status – Technical Standard Development



- Prepared Project Justification Statement (PJS)
- PJS approved by ANL and DOE-ASO, December 2016
- PJS coordination delayed - HQ Technical Standards survey and program evaluation
- Interim activity - develop Technical Basis Document (TBD) to support rationale and content of new standard
- TBD will provide supporting technical details and justification for characterization process and practices

TBD Development Process



- Provide radiological and physical characteristics for representative dry active waste streams
- Provide rationale and justification for technical approach(es) to radiological characterization
- Identify relevant regulatory and quality objectives
- Evaluate and incorporate historical site practices
- Establish characterization performance objectives
- Identify data sources and validation methods
- Determine nuclide quantification methodology

TBD Development Schedule



- Feb. 2017 – Team instructions & assignments
- March 9, 2017 – Team meeting in conjunction with WM 2017
- Mar. – May 2017 - Development & internal review of TBD
- June 2017 – Review of Draft TBD by EFCOG WMWG
- July 2017 – Revise TBD and incorporate information into planning for new technical standard

Near Term Activities



- **Team Meeting in Phoenix during WM 2017**
- **Finalize outline and prepare draft TBD**
- **Solicit input from multiple reviewers via EFCOG**
- **Detailed evaluation of site standards/practices**
- **Incorporate TBD information into planning for new technical standard**
- **Resume development of new standard following completion of HQ survey and process evaluation**