

WP1

WASTE GENERATION PROCEDURE

1.0 PURPOSE

To provide a process to meet the requirements of DOE Order 435.1 for the identification and management of wastes generated through analytical processes in preparation for disposal by the Environmental Safety and Health (ESH).

2.0 RESPONSIBILITIES

2.1 Laboratory Manager or designee

- Evaluate analytical procedures and identify wastes streams for disposal according to guidance provided by the ESH.
- Establish waste generation records for each waste stream.
- Ensure laboratory staff receive training in this waste generation procedure.
- Monitor waste generation activities to ensure that the waste generation procedure is followed.
- Review and approve waste generation paperwork prior to transfer to ESH.

2.2 Laboratory Personnel

- Follow waste disposal steps identified in each analytical procedure.
- Follow waste generation procedure.
- Maintain records of radioactive materials added to the waste streams.
- Send the proper records concerning a waste stream to ESH.

2.3 ESH

- Provide interpretation of applicable regulatory documents to provide guidance for the identification of waste streams.
- Assume responsibility for the disposal of the waste stream(s) upon receipt of the proper records from ESSAP.

3.0 WASTE STREAMS

The following waste streams have been identified for ESSAP analytical processes:

- Dry Active Waste - Profile Number L-010 per Master Profiles List of DOE 435.1.
- Soils - Profile Number L-040 per Master Profiles List of DOE 435.1.
- Organic Liquids - Profile Number L-070 per Master Profiles List of DOE 435.1.
- Mixed Waste Liquids to TSCA - - Profile Number MW-001 per Master Profiles List of DOE 435.1.

4.0 TRAINING

**CERTIFICATION RECORD FOR
PROCEDURE WP1
WASTE GENERATION**

		CHECKPOINTS
1.	JOB HAZARD ANALYSIS	_____
2.	REVIEW OF WCP PLAN	_____
3.	GENERAL AWARENESS TRAINING https://oraproducts.net/pwt	_____
4.	SUBMISSION OF PROOF OF TRAINING	_____
5.	WASTE PROFILES	____ _
6.	FORMS TRAINING	____ _

5.0 WASTE GENERATION

- 5.1 Waste is placed in the designated container for the appropriate waste stream at or before the end of the analytical process.
- 5.2 If the isotope(s) and concentration(s) of the generated waste is known, it will be recorded into a waste generation logbook (bound or electronic) for each waste stream.

- 5.3 If the isotope(s) and concentration(s) is not known, an aliquot from a full waste container will be analyzed using standard ESSAP laboratory procedures, which apply to the suspected contaminants, to determine the activity in the waste stream. In the case of organic liquids, the presence or absence of radioactivity will determine the final waste stream that is to be used for disposal. If no radioactivity is detected, the organic waste stream will be used. If radioactivity is detected, the mixed waste stream will be used.
- 5.4 When a container for a given waste stream becomes full, laboratory personnel will complete the appropriate paperwork (See attachments A and 2109.) and send the information to the Radiation Safety Officer of ESH. This will serve as notification that the waste container is ready for disposal.

6.0 RECORDS

- 6.1 ESSAP MUST maintain a record of all waste container information in an active file for one year.
- 6.2 After one year, this information will be archived in the RSAT archival room.



WASTE ITEM DESCRIPTION

Waste Item ID Number

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ALL FIELDS MUST BE COMPLETED

Generator/Source Information					
W1. Generator's Name (FTEID)	W2. RIDER Number	W3. Generator's Project No.	W4. NEEL Shop	W5. CADD No/WO	
W6. Generator's Company	W7. Origin Division	W8. Origin Site	W9. Origin Party	W10. Origin Room/Room No.	W11. Remanufacture Area <input type="checkbox"/> Yes <input type="checkbox"/> No
W12. Process Stream ID	W13. Process Category	W14. Process Activity	W15. AWA Number		
W16. Physical Form	W17. Material Type(s)	W18. Waste Item Desc. Attachment		W19. Master Profile No./Title	

Waste Subcategories (Check all)					
	Yes	No		Yes	No
W20. Biological			W23. Construction Debris		W26. Classified
W21. Accountable			W24. Medical		W27. Friable Asbestos
W22. Carcinogen			W25. Slurry/Industrial		W28. Non-Friable Asbestos

W29. Waste Description

Handling/Pickup Information					
P1. Handling Site	P2. Handling Facility	P3. Handling Structure	P4. Pickup Site	P5. Pickup Facility	P6. Pickup Area
(Reference)	P7. Respirator <input type="checkbox"/> None <input type="checkbox"/> Mask <input type="checkbox"/> Full <input type="checkbox"/> Unknown			P8. Container Type	
P9. Handling Instructions					

10. Bags/Container _____ of _____

Waste Item/Container Information					
10. Waste Item ID Number	11. Origin Date	12. RCRA 90-241 Start Date	14. (With Barcode Label Here)		
13. Container ID/Number	15. PCB Start Date	16. Asbestos Materials <input type="checkbox"/> Yes <input type="checkbox"/> No			
17. RCRA 90-241 End Date	18. UIC	19. UIC	20. UIC	21. UIC	22. UIC
23. Area of Contamination <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	24. Use of Container	25. UIC	26. UIC	27. UIC	28. UIC
29. Top Tag No.	30. Instrument Identification	31. Instrument Identification	32. Instrument Identification	33. Instrument Identification	34. Instrument Identification
MEIS					
Serial/Volume					
Material					

Signatures and Approvals					
35. Generator	36. Date	37. Date	38. Date	39. Date	40. Date
41. Verification Officer	42. Date	43. Date	44. Derivative Classifier	45. Date	46. Date

1075-019100-01 Rev. 1