

## Sample Receiving and Shipping by the ADEM Sample Management Office

Effective Date: 11/8/2017

Next Review Date: 11/8/2020

**Hazard Class:**       Low                       Moderate                       High/Complex  
**Usage Mode:**       Reference                       UET                       Both UET & Reference

The Responsible Manager has determined that the following organizations' review is required for initial procedure release as well as subsequent major revisions. Review documentation is contained in the Document History File.

ER-FS Operations Manager	Environmental Protection
Shift Operations Manager	Waste Management
Technical Leads	Quality Assurance
Industrial Hygiene & Safety	Training

Classification Review:                       Unclassified                       UCNI                       Classified

Steve Maze	/ 224958	/ /s/ Steve Maze	/ 11/07/17
Name (print)	Z#	Signature	Date

Responsible Manager, Division and Title

Craig Douglass	/ 102267	/ /s/ Craig Douglass	/ 11/8/2017
Name (print)	Z#	Signature	Date

---

**REVISION HISTORY**

Document No./Revision No.	Issue Date	Action	Description
ENV-DO-207	7/29/05	Major	New document derived from E-SOP-1.03 and WQH-SOP-020
EP-ERSS-SOP-5057	10/16/07	Major	New document number, reformatted, minor technical changes. Supersedes ENV-DO-207.
OIO-QP-221	9/12/14	Minor	Assigned a new OIO document control number. This new document applies to ADESH/OIO-DO. The former version, EP-ERSS-SOP-5057, was deactivated per the request of ADEP on March 12, 2015. Revised and updated organization name and editorial changes.
ER-SOP-10094, R0	5/2/2017	Major	Updates to transfer from ADESH to ADEM.
ER-SOP-10094, R1	11/8/2017	Major	Update hazards and process for shipping radioactive materials. Incorporate entirety of ER-SOP-10095 into procedure.

---

**TABLE OF CONTENTS**

<u>Section</u>	<u>Page</u>
TITLE PAGE.....	1
REVISION HISTORY .....	2
TABLE OF CONTENTS .....	3
1. PURPOSE.....	4
2. SCOPE.....	4
3. PRECAUTIONS AND LIMITATIONS .....	5
4. PREREQUISITE ACTIONS .....	6
4.1 Training .....	6
4.2 Materials and Equipment.....	7
4.3 Incidental Spills.....	7
5. PERFORMANCE.....	8
5.1 Transporting Environmental Samples for Shipment .....	9
5.1.1 Sample Submittal to SMO and Receipt of Samples for Shipment .....	10
5.2 Additional Shipping Considerations.....	11
5.2.1 Additional Requirements for Sanitary Waste / Biological Samples.....	11
5.2.2 Additional Requirements for Radioactive Samples.....	12
5.2.3 Additional Requirements for De Minimis Exception Samples .....	12
5.3 Sample Packaging.....	13
5.4 Shipment of Samples to Analytical Laboratory.....	14
5.5 Returned and Unshipped Samples .....	15
6. POST-PERFORMANCE ACTIVITY .....	16
6.1 Records Processing.....	16
7. REFERENCES .....	16
8. APPENDICES AND ATTACHMENTS.....	16

**1. PURPOSE**

This procedure describes the process for receiving and shipping environmental samples through the Associate Directorate of Environmental Management (ADEM) Environmental Remediation (ER) program Sample Management Office (SMO).

**2. SCOPE**

All ER employees and their responsible subcontractors shall implement this procedure when delivering samples to the SMO.

This procedure provides for the handling, packaging, and transporting of samples under Department of Transportation, 49 CFR, Subchapter C, Hazardous Materials Regulations.

Samples as defined in this procedure are potentially hazardous materials, debris or environmental media (e.g., soil, water, air, animal tissue) or an environmental media or debris sample for which the hazard class is uncertain and must be determined by analytical testing. Samples that spark, self-react, explode, or contain strong magnetic fields are excluded from the scope of this procedure.

This procedure does not address handling, packaging, and transporting of samples requiring classification and communication of hazards under OSHA 29 CFR 1910.1200 Hazard Communication. Contact the Operation Support-Packaging and Transportation (OS-PT) Service Center at 664-0765, if the sample for shipment matches any item in the Laboratory's material safety data sheet (MSDS) online portal.

This procedure also ensures QA/QC, data defensibility and usability, and completeness of documentation within Environmental Information Management (EIM) Sample Planning and Sample Processing are accurate.

### **3. PRECAUTIONS AND LIMITATIONS**

- The SMO is open during normal Laboratory work hours. Any submittal of samples outside of this timeframe must be coordinated with the SMO and placed on the ER plan of the day (POD).
- Check routes to ensure obstructions and/or slip and trip hazards are removed before carrying heavy or bulky objects.
- Before handling materials, inspect for slivers, jagged or sharp edges, burrs, missing handles, and rough or slippery surfaces.
- Use proper lifting techniques and good judgment to safely lift a load
  - Normally, do not lift more than 35 pounds per individual
  - Use two people for lifting items
  - Ensure good grip on the load before lifting
  - Do not twist the back or bend sideways
  - Do not lift with the arms extended
  - Lift by placing feet close to load, and lift mostly by straightening the legs, keeping the load close to the body
- Inspect all tools before use and use tools only for their intended purposes.
- Wear cut-resistant gloves when handling sharp materials and knives.
- Personal protective equipment (PPE) is required when packaging samples, including safety glasses, nitrile gloves, and lab coat.
- PPE of nitrile gloves and eye protection are required during samples acceptance.

#### **4. PREREQUISITE ACTIONS**

##### **4.1 Training**

SMO Personnel shall read the current revision of this standard operating procedure (SOP), Environmental Information Management (EIM) Sample Planning SS21128 and EIM Sample Planning How-to Guide RR27027 in the approved LANL training system (UTrain) and submit for training credit before performing work at the SMO.

Additional trainings shall fulfill the hazmat employee training requirements in 49 CFR 172, Subpart H and retrain every three years:

**NOTE**     *Training can be taken within the LANL U-Train system or equivalent.*

- HMPT 27915: Introduction
- HMPT 27918: Identification of Hazardous Materials
- HMPT 27920: Preparation of Shipment
- HMPT 27922: Movement by Highway
- HMPT 30462: Basic Radioactive Material Transportation

For Radioactive Shipments the following training and certification is required:

- HMPT 18733: IATA/ICAO Basic Training
- HMPT Test 56660: P&T AS ICAO/IATA Comp Exam
- Course 4261: Chemical Workers, Authorized (HAZ COM):
- Course 23263: Waste Generation Overview Live Course
- Course 21464: Waste Generation Overview Refresher SS

All personnel using ladders 6 ft. or greater in height must complete the following:

- Course 12985: Ladder Safety

## 4.2 Materials and Equipment

### SMO Personnel

Ensure that the following tools and equipment are available, as required:

- Refrigerators capable of maintaining samples at 6°C
- Freezer and blue ice
- Shipping containers, including coolers w/handles, soft sided shipping package, hard sided shipping box, and high density polyethylene (HDPE) container with screw top lid.
- Packing materials (bubble wrap sheets and bags)
- FedEx shipment kiosk
- Safety glasses w/side shields, lab coat, nitrile gloves, cut resistant gloves, closed toe shoes
- Access to the EIM database for sample planning and sample processing.

## 4.3 Incidental Spills

### SMO Personnel

- [1] **ASSESS** spill and **DETERMINE** the nature of the spilled material and PPE needs.
- [2] **IF** radioactive sample is broken, leaking, or may have leaked, **DO NOT** cleanup; **BARRICADE** area to prevent others from entering, and **NOTIFY** the SMO Shift Operations Manager (SOM).
- [3] For non-radioactive sample, **ABSORB** and, if necessary, **NEUTRALIZE**, the spills using the available spill-specific type kit (e.g., acid, base, glass, water or solid, sanitary waste water).
- [4] **CLEAN** up spill, and **CONTAINERIZE** waste per Waste Characterization Strategy Form (WCSF).
- [5] **NOTIFY** the SMO SOM, project manager, and/or Subcontract Technical Representative (STR) of the spill/sample loss.
- [6] **IF** a spill cannot be managed with the equipment and material on hand, **REPORT** the spill to Emergency Management at 667-6211, **BARRICADE** area to prevent others from entering, and **NOTIFY** the SMO SOM.

## **5. PERFORMANCE**

### **Group Leader or Project Manager**

Ensure the following:

- Trained individuals are designated with the responsibility of verifying compliance Department of Transportation, 49 CFR, Subchapter C, Hazardous Materials Regulations, of all sample shipments to analytical laboratories.
- Sample receiving and shipping operational process compliant with requirements of Department of Transportation, 49 CFR, Subchapter C, Hazardous Materials Regulations, is provided.
- Samples collected that require release by Radiation Protection (RP) are not accepted at the SMO until the radiological acceptance requirements are met (these samples shall be preserved and secured at the work site until the radiological acceptance requirements [Attachment 1, Shipping Classification Determination Checklist] are met and the samples can be removed from the site).
- ALL samples collected in a Weapons Facility Operations (WFO) area are HE SPOT tested and results are negative prior to receipt at the SMO (the samples shall be secured at the site until the HE SPOT test is completed). The WFO areas include TAs 8, 9, 11, 16, 37, 14, 15, 36, 22, 39, 40, and 49.
- Samples chemically preserved do not exceed limits specified in 40 CFR 136, Table II – Required Containers, Preservation Techniques and Holding Times
- Correct off-site analytical laboratories are identified for method-specific analyses
- All data and meta-data ensure quality assurance/quality control (QA/QC) and are complete in the EIM database for sample planning and sample processing.
- Chain-of-custody is maintained for legally defensible environmental sampling data.
- All samples are submitted to the off-site analytical laboratory in a timely manner to allow the laboratory to conduct analyses within analytical method holding times.
- The procedure used is the latest revision and identified as Working Copy or Information Only on the title page.
- As a minimum, one operator who is trained in the use of this procedure is available for performance of this procedure.



## **5.1 Transporting Environmental Samples for Shipment**

**NOTE** *Within the EIM database, SMO personnel will create and/or verify project specific sample plan requests contain the correct locations, matrix, analytical groups, and schedule to print work lists, print Field Chain-of-Custody, and print bottle labels for field personnel to conduct field sampling activities.*

### **Field Team Member**

**NOTE 1** *Transportation of samples to the SMO by using a personal or other nongovernmental vehicle is not permitted, except for approved subcontractor vehicles.*

**NOTE 2** *SMO-approved facilities for radiological screening analysis are RP, Health Physics Analysis Laboratories (HPAL), and American Radiation Services (ARS) as needed.*

**NOTE 3** *Delivery of samples that have limited holding times must be coordinated ahead of time with the SMO.*

- [1] **PACKAGE** and **TRANSPORT** environmental samples as specified in the work activity work package to the SMO or radiation screening laboratory.
- [2] **COMPLETE** original Field Chain-of-Custody forms (or Sample Collection Log) and **DELIVER** with samples to the SMO.
- [3] **PROVIDE** a completed Attachment 1 checklist to the SMO personnel when delivering a sample.

5.1.1 Sample Submittal to SMO and Receipt of Samples for Shipment

**Field Team Member**

- [1] **RELINQUISH** custody to the SMO by signing and legibly printing name with the date and time in the “Relinquished by” field on the Field Chain-of-Custody at the time of sample delivery to the SMO.

**SMO Personnel**

**NOTE** *Samples will not be accepted if documentation is incomplete or incorrect, or if Attachment 1 is not complete and signed.*

- [2] **VERIFY** that samples transported to the SMO are properly prepared for shipment and the Field Chain-of-Custody documentation is complete and accurate. This includes confirming the collected number of bottles/analytical tests correspond to the Field Chain-of-Custody.

**NOTE 1** *Samples must remain under positive control of the individual who has signed for them. At no time should a sample be relinquished without being received.*

**NOTE 2** *Samples should be accepted ONLY if they are described on completed Field Chain-of-Custody forms. Completed Field Chain-of-Custody forms include date and time of sample collection, acknowledgement that containers are accounted for or canceled, annotation for any container deviations, and representation for field screening results.*

- [3] **DETERMINE** a hazard classification using the data provided in the completed Attachment 1 checklist. See section 5.2 for additional shipping considerations.

- [4] **INSPECT** samples for the following:

- Leaks
- Proper labels and intact and legible markings on sample containers
- Custody seal over the lid of all containers

5.1.1 Sample Submittal to SMO and Receipt of Samples for Shipment (continued)

**NOTE** *The acceptance of a sample at the SMO by signing the Field Chain-of-Custody provides an independent verification that the samples can be accepted and shipped in accordance with this procedure.*

- [5] **ACCEPT** custody of properly prepared samples by signing and printing name, with the date and time in the “Received by” field on the Field Chain-of-Custody at the time of sample receipt at the SMO.
- [6] **PROVIDE** a copy of the signed Field Chain-of-Custody to personnel relinquishing the sample.
- [7] Immediately after being received at the SMO, **PLACE** samples in a containment bin (for breakable storage containers) and **STORE** in designated location until they are prepared for shipment to the analytical laboratory.
- [8] **UPDATE** EIM planned sample information in comparison to the actual samples collected from the field (e.g., edit planned analyses, edit planned samples, void samples, and analyses not collected).
- [9] **FINALIZE** and **PRINT** Laboratory Chain-of-Custody. In EIM:
  - [A] **CHOOSE** analytical laboratories.
  - [B] **SELECT** turn-around times, select reporting criteria, shipping date, shipping time, organization.
  - [C] **ENSURE** correct analytical groups and bottle counts.

**5.2 Additional Shipping Considerations**

5.2.1 Additional Requirements for Sanitary Waste / Biological Samples

**SMO Personnel**

- [1] **INCLUDE** a label on the outside of the transport container containing sanitary waste or biological samples:

*“This package contains samples of sanitary waste. If leakage is noted, take all prudent precautions and notify the sampling team that collected the samples.”*

### 5.2.2 Additional Requirements for Radioactive Samples

#### **SMO Personnel**

**NOTE** *Until ER personnel are trained and qualified to meet the requirements in HMPT 18733: IATA/ICAO Basic Training and HMPT Test 56660: P&T AS ICAO/IATA Comp Exam, shipping samples identified as “UN2910” will utilize the Shipping Request Form 1768 to get samples to the analytical laboratories.*

- [1] For samples with questions in Attachment 1 answered “YES” for radioactive samples UN2910 under “Test – Field Screen,” “Test – Location,” or “Test – AK,” **SHIP** samples utilizing the OS-PT organization.
- [2] **COMPLETE** Shipping Request Form 1768, to ship these samples to the analytical laboratories.
- [3] **FORWARD** Shipping Request to OS-PT for sample pick-up, packaging, and shipment.

### 5.2.3 Additional Requirements for De Minimis Exception Samples

#### **SMO Personnel**

- [1] For samples using the De Minimis Exception of 49 CFR 173.4b, a sample consists of less than 1 g of solid or 1 mL of liquid, consists of non-infectious animal specimen, and is NOT marked as UN2910 radioactive in section 5.2.2 of this procedure. Samples transported using the De Minimis Exception must be packaged per 49 CFR 173.4b.

### **5.3 Sample Packaging**

#### **SMO Personnel**

**NOTE 1** *Samples may be bundled and shipped to the analytical lab. In this case, Laboratory Chain-of-Custody analytical request forms are also bundled with the shipment and placed in one of the shipping containers. The paper work is also emailed to the analytical lab in case the shipping containers get separated in transit.*

**NOTE 2** *Samples associated with NPDES compliance, UN2910 Rad and New Mexico Special waste (high TPH) must be shipped in their own shipping container with their corresponding paperwork.*

[1] **ENSURE** the shipping container's drain hole is sealed and secured.

[2] **WIPE DRY** all sample containers before packaging (e.g., bubble wrap).

[3] Individually **WRAP** glass bottles in plastic to contain sample if breakage occurs during shipment, then **PLACE** in self-sealing bubble bags.

**NOTE** *To avoid increasing the likelihood of container breakage, water samples should not be frozen or transported in dry ice.*

[4] **PLACE** blue ice or equivalent in shipping container for samples that require cooling for sample preservation.

[5] **INCLUDE** the Laboratory Chain-of-Custody form and/or analytical request form in shipping container.

#### **5.4 Shipment of Samples to Analytical Laboratory**

##### **SMO Personnel**

- [1] **CONFIRM** the correct analytical laboratories are contracted and employed for the method-specific tests before all shipments.
  
- [2] **MARK** the outside of all shipping containers with the following information:
  - Environmental Samples
  - Name of contact
  - Contact information (e.g., phone number)
  
- [3] **VERIFY** that properly packaged and transported environmental sample documentation includes the statement below (labeling placed in the shipping container per 49 CFR 173.421 so that the label can be seen as soon as it is opened):

*“These samples do not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200”*
  
- [4] **GENERATE** the bill laden using the designated FedEx kiosk.
  
- [5] **SHIP** using FedEx overnight air transport.
  
- [6] **EMAIL** the Laboratory Chain-of Custody paperwork to the analytical lab.
  
- [7] **UPDATE** EIM sample and field information (e.g., sample collection times, sample date, sample intervals, background classification codes, special comments, field measurements, field QC, sample purpose, sample type, field prep code, depths, units, and groundwater levels).

## **5.5 Returned and Unshipped Samples**

### **STR**

- [1] **OBTAIN** prior approval from the ER Operations Manager for the return of collected samples.
- [2] **CONFIRM** charge code, disposal path, and WCSF, and **DETERMINE** sample owner information.
- [3] **AUTHORIZE** return of samples to SM-30.
- [4] For UN2910 or UN2908 classified return samples, **COORDINATE** the handling and inventory of returned samples directly with the ER RP RCT and with receiving at SM-30.

### **SMO Personnel**

- [5] **INVENTORY** returned samples.
- [6] **LABEL** and **SEGREGATE** the shipping container with the date of receipt, the contact information of the individual responsible for disposition of the samples, and a target date, 30 days from receipt, for the removal of samples from the SMO.
- [7] **CONFIRM** acknowledgement of receipt of notification to the individual responsible for disposition of the returned or unshipped samples via email. (Include the identity of the samples received, their received date, and the target date for removal of samples from the SMO.)

## **6. POST-PERFORMANCE ACTIVITY**

### **6.1 Records Processing**

Records generated while performing this procedure must be processed and maintained in accordance with EP-AP-10003, Records Management.

The final records package consists of the following:

- Field Chain-of-Custody
- Laboratory Chain-of-Custody
- Data validation package
- Analytical data package

## **7. REFERENCES**

EIM Sample Planning How-to Guide RR27027

Environmental Information Management (EIM) Sample Planning SS21128

EP-AP-10003, Records Management

P121, Radiation Protection

## **8. APPENDICES AND ATTACHMENTS**

Appendix A, Areas with Potential for Elevated Alpha and Beta Activity

Appendix B, Sample Activity Concentrations and Consignment Activity Limits Given in 49 CFR 173.436

Appendix C, Example Shipping Outcomes

Attachment 1, Shipping Classification Determination Checklist



**APPENDIX A**

Page 1 of 1

**Areas with Potential for Elevated Alpha and Beta Activity**

1	Townsite and adjacent hillsides
2	TA-21
3	Acid Canyon
4	MDA C at TA-50
5	Area G at TA-54
6	Effluent Canyon
7	Soil/Sediment from Mortandad Canyon from Effluent Canyon to the Soil Contamination Area near the sediment traps
8	Bayo Canyon at TA-10
9	TA-15
10	TA-35
11	TA-36
12	TA-39
13	TA-48
14	TA-49
15	Posted Radiological Areas

**APPENDIX B**

Page 1 of 1

**Sample Activity Concentrations and Consignment  
Activity Limits Given in 49 CFR 173.436**

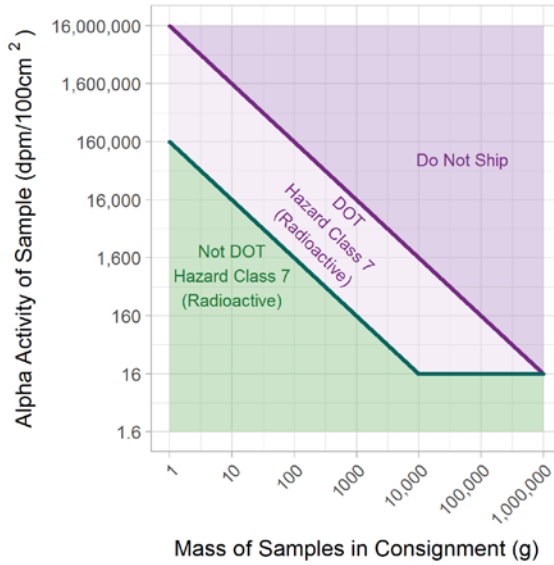
Prior analytical measurements at the sampling location show:

- Am-241 sample > 27 pCi/g, and shipment > 270,000 pCi or
- Cs-137 sample > 270 pCi/g, and shipment > 0.16 Ci or
- Pu-238 sample > 27 pCi/g, and shipment > 270,000 pCi or
- Pu-239/240 sample > 27 pCi/g, shipment > 270,000 pCi or
- Th-228 sample > 27 pCi/g, and shipment > 270,000 pCi or
- U-234 sample > 270 pCi/g, and shipment > 0.0016 Ci or
- U-238 sample > 270 pCi/g, and shipment > unlimited or
- H-3 sample > 27,000,000 and shipment > 0.027 Ci.

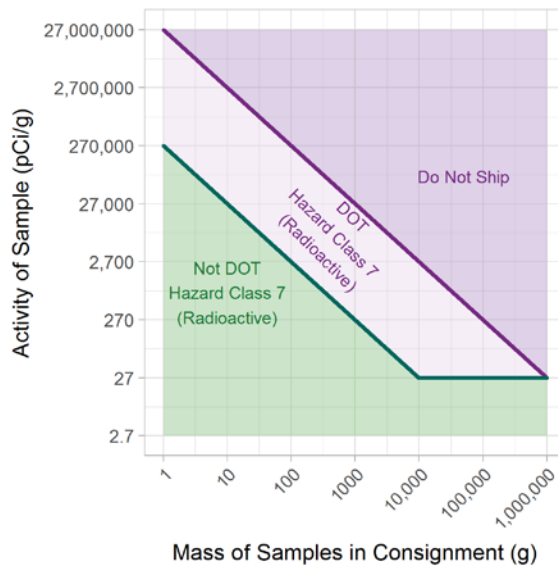
**APPENDIX C**

Page 1 of 1

**Example Shipping Outcomes**



Shipping outcomes for samples collected from a location within Townsite and adjacent hillsides, TA 21, Acid Canyon, MDA C in TA-50, or Area G in TA-54 given alpha sample activity and consignment weight.



Shipping outcomes for Am-241, Pu-238, Pu-239/240, and Th-228 bearing samples given sample activity and consignment weight.

**ATTACHMENT 1**

Page 1 of 1

**Shipping Classification Determination Checklist**

Sampling Plan ID/Name: \_\_\_\_\_ COC: \_\_\_\_\_

TEST – Explosives			YES	NO	
Samples collected from a WFO area? (TAs -8, 9, 11, 16, 37, 14, 15, 36, 22, 39, 40, and 49)					
Field Test for Explosives Results			YES	NO	NA
HE SPOT test result positive. If YES - Do not transport.					
TEST – Chemical Preservation			YES	NO	
Samples are chemically preserved?					
Field Team Member Statement			YES	NO	NA
Chemical preservation exceeds limits given 40 CFR 136, Table II – Required Containers, Preservation Techniques and Holding Times (footnote 3). If YES - Do not ship.					
TEST – Field Screen			YES	NO	
The sample has field screening measurements of alpha activity and beta activity?					
Sample Activity (dpm/100cm <sup>2</sup> )	Shipment Activity (dpm*g/100cm <sup>2</sup> )	Sampled Location	YES	NO	NA
Alpha detectable	AND Alpha ≥160,000	AT TA-1 and adjacent hillsides, TA-21, Acid Canyon, MDA C at TA-50, Area G at TA-54, TA-48, or TA-49			
Alpha ≥ 125	AND Alpha ≥1,250,000	AT other locations			
Beta ≥ 1,500	AND Beta ≥15,000,000	AT any location			
The sample Alpha ≥16,000,000 dpm*g/100cm <sup>2</sup> or Beta ≥ 160,000,000 dpm*g/100cm <sup>2</sup> . If YES – Do not ship.					
On the external surface of the sample container, alpha activity ≥ 24 dpm/cm <sup>2</sup> , beta activity ≥ 240 dpm/cm <sup>2</sup> , or surface activity ≥ 0.5 mR/hr. If YES – Do not ship.					
The sample is tentatively identified as DOT Hazard Class 7 (Radioactive). The shipment is labeled Radioactive Material, Excepted Package – Limited Quantity of Material – UN2910, based on field screening measurements of alpha and beta activity.					
TEST - Location			YES	NO	
Prior analytical measurements of radioactive isotopes are available?					
Sample Activity (pCi/g)	Shipment Activity (pCi)		YES	NO	NA
• Am-241 ≥ 27 pCi/g	AND	Am-241 ≥ 270,000 pCi Total			
• Cs-137 ≥ 270 pCi/g	AND	Cs-137 ≥ 270,000 pCi Total			
• Pu-238 ≥ 27 pCi/g	AND	Pu-238 ≥ 270,000 pCi Total			
• Pu-239/240 ≥ 27 pCi/g	AND	Pu-239/240 ≥ 270,000 pCi Total			
• Th-228 ≥ 27 pCi/g	AND	Th-228 ≥ 270,000 pCi Total			
• U-234 ≥ 270 pCi/g	AND	U-234 ≥ 1,600,000,000 pCi Total			
• U-238 ≥ 270 pCi/g	AND	U-238 ≥ unlimited			
• H-3 ≥ 27,000,000 pCi/g	AND	H-3 ≥ 27,000,000,000 pCi Total			
Am-241, Pu-238, Pu-239/240, or Th-228 ≥ 27,000,000 pCi; or Cs-137 ≥ 270,000,000 pCi or U-234 ≥ 160,000,000 pCi; or H-3 ≥ 1 Ci. If YES – Do not ship.					
The sample is tentatively identified as DOT Hazard Class 7 (Radioactive). The shipment is labeled Radioactive Material, Excepted Package – Limited Quantity of Material – UN2910, based on prior analytical measurements of radioactive isotopes.					
TEST –AK			YES	NO	
The shippers documented knowledge of the sample positively identifies appropriate labeling.					
Documented Field Team Member Statement			YES	NO	NA
The sample is tentatively identified as DOT Hazard Class 7 (Radioactive). The shipment is labeled <i>Radioactive Material, Excepted Package – Limited Quantity of Material – UN2910</i> , and the sample is submitted to ARS or RP for hazard classification analysis.					

These samples do not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200. The sample(s) contained in this shipment have been assigned a tentative proper DOT shipping name, hazard class, identification number, and packing group, based on the shipper's knowledge of the sample:

Hazard Assessment Completed By:	Date/Time
(Printed Name)	
(Signature)	

Hazard Assessment Reviewed By:	Date/Time
(Printed Name)	
(Signature)	