



**Department of Energy**  
Carlsbad Field Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221

ENTERED



FEB 23 2012

Mr. John Kieling, Acting Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Bldg. 1  
Santa Fe, New Mexico 87505-6303

Subject: Revised Documents and Responses to Comments on Final Audit Report  
A-11-14 of the Idaho National Laboratory Central Characterization Project

Dear Mr. Kieling:

This letter transmits the revised C6 checklists and CCP Standing Order CCP-PO-079, Revision 0, for Carlsbad Field Office Audit A-11-14, and an attachment containing responses to the New Mexico Environment Department comments received by letter dated December 23, 2011.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. Randy Unger, Director, Office of Quality Assurance, at (575) 234-7065.

Sincerely,

  
Jose R. Franco, Manager  
Carlsbad Field Office

Enclosures



Mr. John Kieling

-2-

FEB 23 2012

cc: w/enclosures (Report Narrative)

E. Ziemianski, CBFO	*ED
R. Unger, CBFO	ED
J. R. Stroble, CBFO	ED
G. Basabilvazo, CBFO	ED
S. McCauslin, CBFO	ED
C. Fesmire, CBFO	ED
H. Budweg, CBFO	ED
N. Castaneda, CBFO	ED
T. Kliphuis, NMED	ED
T. Hall, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
T. Bowden, CTAC	ED
M. Mager, CTAC	ED

cc: w/enclosures

WIPP Operating Record

CBFO QA File

CBFO M&RC

\*ED denotes electronic distribution

**Attachment 1**  
**CBFO Responses to NMED Comments**

**Attachment 2**  
**CCP Standing Order CCP-SO-079, Revision 0**

**Attachment 3**  
**Redlined C6-1, C6-2, and C6-5 Checklists**

**NMED COMMENTS ON THE**  
**IDAHO NATIONAL LABORATORY CENTRAL CHARACTERIZATION PROJECT**  
**(INL/CCP) FINAL AUDIT REPORT A-11-14**

NMED's review indicated that the body of the Audit Report and the C6 checklists generally appear to address the applicable elements. NMED provides the following comment for the Permittees consideration:

1. Question 56 of the C6 Checklist indicates that the procedure citation given, CCP-TP-002, S. 4.3 answers the question. For completeness, an additional procedure citation should also be listed in the Location column. That procedure citation is CCP-TP-002, Attachment 2.

*Response*

*The additional procedure citation CCP-TP-002, Attachment 2, has been added.*

2. Question 120 of the C6 Checklist has the word "~~hid~~" within the question. It should be removed.

*Response*

*The word "lid" has been removed.*

3. It should be noted that the entire C6 Checklist Table C6-5 has "NA" in the Comment column (with the exception of Question 240, which had a comment). If this is to be, shouldn't all of the C6 Checklist have "NA" in the column for the sake of continuity and consistency between C6 Checklist Tables?

*Response*

*Removed N/A from C6-5 checklist for consistency and continuity.*

4. Question 233 of the C6 Checklist indicates that the procedure citation given, CCP-QP-002, Att. 4 answers the Accuracy portion of the question. The Attachment 4 needs to be corrected as it lists items 1 through 6 on one page and items 8 through 11 on the second page. There is no item 7.

*Response*

*Procedure CCP-QP-002, Revision 31, Attachment 4 is ultimately missing the number "7." There are no procedure missteps as a result of this misnumbering. All required information and signatures are included in Attachment 4. CCP is currently revising CCP-QP-002 to address this misnumbering, among other changes.*

5. Question 248 of the C6 Checklist indicates that the procedure citation is S. 4.3.2 [A-2]. This citation does not exist. The correct citation should be S. 4.3.2 [A.2].

*Response*

*The citation has been corrected to read S. 4.3.2[A.2].*

6. Question 298: The training records for VE Operator/ITR Mike Haderlie indicate that he was not re-qualified within the Permit required two year period under Permit section C1-4 and C3-4b. The operator signed his 2009 Initial Qualification card on May 29, 2009 and CCP Training signed on June 2, 2009. At the time of the INL/CCP audit of June 7-9, 2011, the operator had not yet been re-qualified. Auditors also discovered that this operator was continuing to work as a VE as of June 7, 2011. Under VE section 5.4.6 it states, "No WAP-related concerns were identified during the audit. Overall, the team determined that INL/CCP VE Operations were adequate, satisfactorily implemented, and effective." NMED requests that the Permittees document why this concern was not included in the Final Audit Report as well as address the final resolution.

Response

*CBFO's interpretation of the two-year training qualification period is based on the industry standard of two years from the date of initial qualification through the end of the month that requalification is due. Therefore, at the time of the audit, no condition adverse to quality was identified on this issue and no corrective action report (CAR) was included in the final audit report.*

*As a result of questions arising from this issue, on June 9, 2011, CCP issued CCP Standing Order CCP-SO-079, Revision 0, "Clarification of the Time Period for Requalification of CCP Personnel in Operational Positions Requiring Requalification (CCP-QP-040)." The order adds the following NOTE to step 4.7.1 of CCP-QP-040, Support Training, Revision 0: "Requalifications are due by the end of the month in which the qualification period falls, unless a specific date is listed on the qualification card."*

*On December 16, 2011, CBFO submitted a Class 1 Permit Modification, Continuing Training Timeframe, CBFO letter number CBFO:OESH:AS:ANC:11-1369:UFC 1010.00, addressing the requalification period.*

*On January 18, 2012, the NMED Hazardous Waste Bureau issued a letter to CBFO acknowledging the Class 1 Permit Modification.*

**ATTACHMENT 2**

**CCP STANDING ORDER**  
**CCP-SO-079, REVISION 0**

Attachment 6 – Project Office Standing Order Format

**CCP Standing Order CCP-SO-079 Rev. 0**

**Title:** Clarification of the Time Period for Requalification of CCP Personnel in Operational Positions Requiring Requalification (CCP-QP-040)

**Applicability**

This Standing Order applies to all operational positions that require requalification in accordance with CCP-QP-040.

**Order**

Add the following NOTE to Step 4.7.1 of CCP-QP-040, *Support Training*, Revision 0.

**NOTE**  
Requalifications are due by the end of the month in which the qualification period falls, unless a specific date is listed on the qualification card.

This order will remain in effect until the clarification is incorporated into CCP-QP-040 at the time of next revision.

**Background**

In response to questions about the exact timing for requalification of personnel to operational positions requiring periodic requalification, CCP is clarifying the time period allowed. The information reflects CCPs historical position and is being documented as a clarification only.

If you have any questions regarding this order, please contact A.J. Fisher at (575)-234 -7644.

A.J. FISHER *A.J. Fisher* 6/9/11

Manager Responsible for Training

Printed Name/Signature/Date

Mark Percy *Mark Percy* 6/9/2011

SPM Printed Name/Signature/Date

Mark Percy *Mark Percy* 6/9/2011

CCP Manager Printed Name/Signature/Date

For DK PLOETZ

**ATTACHMENT 3**

**REDLINED C6-1, C6-2, AND C6-5  
CHECKLISTS**

**Revised**  
**Table C6-1 Waste Analysis Plan (WAP) Checklist**  
**INL CCP Recertification Audit A-11-14**  
**June 7 – 9, 2011**

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**Waste Analysis Plan (WAP) General Checklist for use at DOE's Generator/Storage Sites**

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>WASTE STREAM IDENTIFICATION</b>						
<b>1</b>	Does the generator/storage site define "waste stream" as waste material generated from a single process or from an activity that is similar in material, physical form, and hazardous constituents?  (Attachment C Section C-0a)	CCP-PO-001 S.C-0a  CCP-TP-005 S.4.4.11 NOTE above	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10 <b>(AK-2)</b>  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2 <b>(AK-4)</b>	Y	
<b>2</b>	Are procedures in place to ensure that the generator/storage site assigns one of the Summary Category Groups (S3000-homogeneous solids, S4000-soils/gravel, S5000-debris waste) to each waste stream?  (Section C-1b)	CCP-TP-005 S.4.4.14 and S.4.4.15  CCP-TP-002 S.4.3 and Att. 2	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S2.1, 2.3 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S2.0 <b>(AK-2)</b>  CCP AK Summary	Y	

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S2.0 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S2.0 <b>(AK-4)</b>  Waste Stream Profile Form and attachments for waste stream ID-LL-M001-S5400 <b>(AK-5)</b>  Waste Stream Profile Form and attachments for waste stream ID-LL-T004-S3141 <b>(AK-6)</b>  Waste Stream Profile Form and attachments for waste stream ID-SDA-SOIL <b>(AK-7)</b>  Waste Stream Profile Form and attachments for waste stream ID-HFEF-S5400-RH <b>(AK-8)</b>  Waste Stream Profile Form and attachments for waste stream ID-RTC-S3000 <b>(AK-9)</b>		
<b>3</b>	Are procedures in place to ensure that the generator/storage site assigns Waste Matrix Code Groups (e.g., solidified inorganics, solidified organics, salt waste, soils, combustible waste, filters, graphite, heterogeneous debris waste, inorganic nonmetal waste, lead/cadmium metal, uncategorized metal) to each waste stream? (Section C-0a)	CCP-TP-005 S.4.4.13 NOTE Above  CCP-TP-002 S.4.3 and Att. 2	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S2.1, 2.3 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SOIL, CCP-AK-INL-001 R10, S2.0 <b>(AK-2)</b> CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S2.0 <b>(AK-3)</b> CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S2.0 <b>(AK-4)</b> Waste Stream Profile Form and attachments for waste stream ID-LL-M001-S5400 <b>(AK-5)</b> Waste Stream Profile Form and attachments for waste stream ID-LL-T004-S3141 <b>(AK-6)</b> Waste Stream Profile Form and attachments for waste stream ID-SDA-SOIL <b>(AK-7)</b> Waste Stream Profile Form and attachments for waste stream ID-HFEF-S5400-RH <b>(AK-8)</b> Waste Stream Profile Form and attachments for waste stream ID-RTC-S3000 <b>(AK-9)</b>		
<b>4</b>	Are procedures in place to ensure that the generator/storage site assigns a Waste Stream WIPP Identifier (ID) to each waste stream? (Section C3-12b(1))	CCP-TP-002 S.4.3 and Att. 2	Y	Waste Stream Profile Form and attachments for waste stream ID-LL-M001-S5400 <b>(AK-5)</b> Waste Stream Profile Form and attachments for waste stream ID-LL-T004-S3141 <b>(AK-6)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Stream Profile Form and attachments for waste stream ID-SDA-SOIL <b>(AK-7)</b>  Waste Stream Profile Form and attachments for waste stream ID-HFEF-S5400-RH <b>(AK-8)</b>  Waste Stream Profile Form and attachments for waste stream ID-RTC-S3000 <b>(AK-9)</b>		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>4a</b>	<p>Are procedures in place for generator/storage sites to submit an AK Sufficiency Determination (Determination Request) to the Permittees to meet all or part of the waste characterization requirements including:</p> <ul style="list-style-type: none"> <li>All information specified in Permit Attachment C4, Section C4-3d</li> <li>Identification of relevant hazardous constituents, and correctly identifies all toxicity characteristic and listed hazardous waste numbers</li> <li>All hazardous waste number assignments must be substantiated by supporting data and, if not, whether this lack of substantiation compromises the interpretation</li> <li>Resolution of data discrepancies between different AK sources must be technically correct and documented</li> <li>The AK Summary includes all the identification of waste material parameter weights by percentage of the material in the waste stream, and determinations are technically correct</li> <li>All prohibited items specified in the TSDf-WAC should be addressed, and conclusions drawn are technically adequate and substantiated by supporting information</li> <li>If the AK record includes process control information specified in Permit Attachment C4, Section C4-3b, the information should include procedures, waste manifests, or other documentation demonstrating that the controls were adequate and sufficient.</li> <li>The site must provide the supporting information necessary to substantiate technical conclusions within the Determination Request, and this information must be correctly interpreted.</li> </ul> <p>(Section C-0b, Section C4-3d)</p>	CCP-TP-005 S.4.7	Y	N/A	N/A	An AK Sufficiency Determination is not being sought for any INL waste streams examined during this audit
<b>4b</b>	<p>If a generator/storage site does not submit a Determination Request or if the Determination Request is not approved, are procedures in place for the generator/storage site to perform radiography or VE on 100% of the containers in a waste stream and chemical sampling and analysis on a representative sample of the waste stream using headspace gas sampling and analysis (for debris waste) or solids sampling and analysis (for homogeneous solid or soil/gravel waste) as specified in Permit Attachments C1 and C2?</p> <p>(Section C-0b)</p>	CCP-PO-001 S.C-0b CCP-TP-001 S.3.1 CCP-TP-002 (All) CCP-TP-005 S.4.7 CCP-TP-500 (All)	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 (GEN-1) IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 (GEN-2) INHSGS100005 ECL10022G	Y	An AK Sufficiency Determination is not being sought for any INL waste streams examined during this audit

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M  <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M  <b>(GEN-4)</b>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>4c</b>	Are procedures in place to ensure that the generator/storage sites complete a Waste Stream Profile Form (WSPF) and Characterization Information Summary (CIS) as specified in Permit Attachment C3, Sections C3-12b(1) and C3-12b(2)? (Section C-0c)	CCP-TP-002 S.1.1	Y	<p>CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.</p> <p>CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream</p>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
2	Are procedures in place to ensure that the generator/storage site divides waste streams into waste stream lots if all of the waste within a waste stream is not accessible for sampling and analysis, as required, at one time? If so, is the division of waste streams into waste stream lots based on staging, transportation and handling issues? (Section C-1a)	CCP-PO-001 S.C-1a CCP-TP-002 (All)	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 - Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 - Transmittal of Idaho	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>6</b>	Are procedures in place to ensure that the generator/storage site assigns EPA hazardous waste numbers associated with the waste? If so, do these assigned EPA hazardous waste numbers correspond to the permitted EPA hazardous waste numbers in Table C-9? Are there any assigned EPA hazardous waste numbers that are not permitted EPA hazardous waste numbers on the Table C-9? If so, did the generator/storage site reject the waste for shipment to and disposal at WIPP? Did the generator assign a state hazardous waste codes or numbers? If so, is it assigned to waste that is permitted at WIPP?  (Section C-1b)	CCP-TP-005 S.4.4.16 – S.4.4.21 and Att. 5	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3, 7.4.3, tables 6, 7, 15 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6, tables 5-5, 5-6, <b>(AK-2)</b>  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2, tables 3, 4 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2, tables 3, 4 <b>(AK-4)</b>  AK Att. 5, Hazardous Constituents, for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-61)</b>		
<b>Z</b>	Are procedures in place to ensure that Summary Category Groups are defined as follows: S3000- Homogeneous solids are solid material, inorganic process residues, inorganic sludges, salt waste, and pyrochemical salt waste excluding soils, that do not meet NMED criteria for classification as debris and are at least 50 percent by volume homogeneous solids or comprise the majority of the waste stream S4000- Waste streams that are at least 50 percent by volume soil/gravel, or comprise the majority of the waste stream S5000- Waste streams that are at least 50 percent volume materials that meet the NMED criteria for debris, or comprise the majority matrix of materials. The criteria for debris are solid materials intended for disposal that exceed 2.36 inch particle size and is a manufactured object, plant or animal matter, or natural geologic material. Particles smaller than 2.36 inches in size may be considered debris if the debris is a manufactured object and if it is not a particle of S3000 or S4000 material. (Section C-0a)	CCP-TP-005 S.4.4.14  CCP-TP-002 S.4.3 and Att. 2	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S2.1, 2.3 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S2.0 <b>(AK-2)</b>  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S2.0 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S2.0 <b>(AK-4)</b>  Waste Stream Profile Form and attachments for waste stream ID-LL-M001-S5400 <b>(AK-5)</b>  Waste Stream Profile Form and attachments for waste stream ID-LL-	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				T004-S3141 <b>(AK-6)</b> Waste Stream Profile Form and attachments for waste stream ID-SDA-SOIL <b>(AK-7)</b> Waste Stream Profile Form and attachments for waste stream ID-HFEF-S5400-RH <b>(AK-8)</b> Waste Stream Profile Form and attachments for waste stream ID-RTC-S3000 <b>(AK-9)</b>		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>8</b>	Does the generator/storage facility have procedures in place to ensure that the following waste characterization parameters will be obtained: <ul style="list-style-type: none"> <li>Determination whether TRU mixed waste streams comply with the applicable provisions of the TSDF-WAC</li> <li>Determination whether TRU mixed wastes exhibit a hazardous characteristic per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart C)</li> <li>Determination whether TRU mixed wastes are listed per 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart D)</li> <li>Estimation of waste material parameter weights</li> </ul> (Section C-2)	<b>AK</b> CCP-TP-005 S.4.4.16 S.4.4.17 S.4.4.27 S.4.4.31 S.4.4.34[K], [L] & [M] CCP-TP-006 (All) CCP-TP-500 S.4.4	Y	B1- AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3.4, 5.4.3.6, 5.4.4, 7.4.3.4, 7.4.3.6, 7.4.4, <b>(AK-1)</b> CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6.5, 5.6.6, 5.7 <b>(AK-2)</b> CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2.3, 5.4.4, 5.4.5, <b>(AK-3)</b> CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2.3, 5.4.4, 5.4.5 <b>(AK-4)</b> AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b> NCRs for prohibited items <b>(AK-26)</b> VE BDRs RHINLVE100001 <b>(AK-29)</b>	Y	

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				IN-ARP-VE-002125 ( <b>AK-30</b> ) IN-ARP-VE-002086 ( <b>AK-31</b> )  B2&3- AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3, 7.4.3, tables 6, 7, 15 ( <b>AK-1</b> )  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6, tables 5-5, 5-6, ( <b>AK-2</b> )  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2, tables 3, 4 ( <b>AK-3</b> )  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2, tables 3, 4 ( <b>AK-4</b> )  AK Att. 5, Hazardous Constituents, for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 ( <b>AK-61</b> )		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				<p>B4- AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.1.2, 7.4.1.2, tables 4 &amp; 13 <b>(AK-1)</b></p> <p>CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.4.4, table 5-1D <b>(AK-2)</b></p> <p>CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.1.2, table 2 <b>(AK-3)</b></p> <p>CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.1.2, table 2 <b>(AK-4)</b></p> <p>Memos attached to AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b></p>		

WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
	Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<b>PL</b> CCP-TP-001 S.4.2 CCP-TP-002 S.4.0 CCP-TP-500 S.4.4	Y	<b>PL</b> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
	Are procedures in place to ensure that waste streams identified to contain incompatible materials or materials incompatible with waste containers cannot be shipped unless treated to remove the incompatibility? (Section C-1c)	CCP-TP-005 S.4.4.31 and S.4.4.34[K]  CCP-TP-001 S.2.7 and S.4.0  CCP-QP-005 S.2.3.1 – S.2.3.3  CCP-TP-500 S.4.4  CCP-TP-006 (All)  CCP-TP-068 S.2.3	Y	AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b>  NCRs for prohibited items <b>(AK-26)</b>  IDC database with "reject" field <b>(AK-18)</b>  Container inspection reports <b>(AK-64)</b>  "Hold" tag <b>(AK-65)</b>  <u>VE BDRs</u> RHINLVE100001 <b>(AK-29)</b> IN-ARP-VE-002125 <b>(AK-30)</b> IN-ARP-VE-002086 <b>(AK-31)</b>	Y	
<b>10</b>	Are procedures in place to ensure that the generator/storage site uses acceptable knowledge and, as necessary, headspace-gas sampling and analysis, radiography, (visual examination), and homogeneous waste sampling and analysis as specified in Table C-5? (Section C-3)	<b>AK</b> CCP-TP-005 S.4.4 and S.4.5	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-	Y	

WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
	Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
			SOIL, CCP-AK-INL-001 R10 <b>(AK-2)</b> CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3 <b>(AK-3)</b> CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2 <b>(AK-4)</b> <u>VE BDRs</u> RHINLVE100001 <b>(AK-29)</b> IN-ARP-VE-002125 <b>(AK-30)</b> IN-ARP-VE-002086 <b>(AK-31)</b> <u>RTR BDRs</u> INLRHRTR10012 <b>(AK-32)</b> INLRHRTR09006 <b>(AK-33)</b> INRTR5100031 <b>(AK-34)</b> INRTR5100033 <b>(AK-35)</b> INRTR5100036 <b>(AK-36)</b> INLRHRTR10014 <b>(AK-37)</b> <u>HSG BDRs</u> INHSGS090009 <b>(AK-38)</b> ECL09022M <b>(AK-39)</b> INHSGS100008 <b>(AK-40)</b> ECL10031M <b>(AK-41)</b> INHSGS100006 <b>(AK-42)</b> ECL10024M <b>(AK-43)</b> <u>SS&amp;A BDRs</u> S4200-LOT-04-05 <b>(AK-44)</b> ALD10025V <b>(AK-45)</b> ALD10025S <b>(AK-46)</b> ALD10025M <b>(AK-47)</b> ALD10025N <b>(AK-48)</b> IDRH0902 <b>(AK-49)</b> ALD09007V <b>(AK-50)</b>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<b>PL</b> CCP-PO-001 S.C-3 CCP-TP-005 S.4.4 and S.4.5 CCP-TP-001 S.4.2 CCP-TP-002 S.4.2 CCP-TP-500 S.4.4	Y	ALD09007S ( <b>AK-51</b> ) ALD09007M ( <b>AK-52</b> ) ALD09007N ( <b>AK-53</b> ) SSG10-00003 ( <b>AK-54</b> ) ALD10058V ( <b>AK-55</b> ) ALD10058S ( <b>AK-56</b> ) ALD10058M ( <b>AK-57</b> ) ALD10058N ( <b>AK-58</b> )  <b>PL</b> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b>		
<b>UNACCEPTABLE WASTE</b>						
	<p>Are procedures in place to ensure that the generator/storage site ensures, through administrative and operational procedures and characterization techniques, that waste containers do not include the following unacceptable waste:</p> <ul style="list-style-type: none"> <li>liquid waste is not acceptable at WIPP. Liquid in the quantities delineated below is acceptable               <ul style="list-style-type: none"> <li>Observable liquid shall be no more than 1 percent by volume of the outermost container at the time of radiography or visual examination</li> <li>Internal containers with more than 60 milliliters or 3 percent by volume observable liquid, whichever is greater, are prohibited</li> <li>Containers with Hazardous Waste number U134 assigned shall have no observable liquid</li> <li>Overpacking the outermost container that was examined during radiography or visual examination or redistributing untreated liquid within the container shall not be used to meet the liquid volume limits</li> </ul> </li> <li>non-radionuclide pyrophoric materials</li> <li>hazardous wastes not occurring as co-contaminants with TRU wastes (non-mixed hazardous wastes)</li> <li>wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes</li> <li>wastes containing explosives or compressed gases (continued below)</li> </ul>	CCP-TP-001 S.4.2 CCP-TP-002 Att. 1 and 2 CCP-TP-500 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 - Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste,		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>12a</b>	<ul style="list-style-type: none"> <li>wastes with polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization</li> <li>wastes exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)</li> <li>waste that has ever been managed as high-level waste and waste from tanks specified in Table C-8, unless specifically approved through a Class 3 permit modification</li> <li>any waste container from a waste stream (or waste stream lot) which has not undergone either radiographic or visual examination of a statistically representative subpopulation of the wastes stream in each shipment pursuant to Permit Attachment C7</li> <li>any waste container from a waste stream which has not been preceded by an appropriate, certified Waste Stream Profile Form (see Section C-1d)</li> </ul> (Section C-1c)	CCP-TP-001 S.4.2 CCP-TP-002 Att. 1 and 2 CCP-TP-500 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 –		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>WASTE ACCEPTANCE CONTROL</b>						
<b>14</b>	Are procedures in place to ensure that the generator/storage site uses a Waste Stream Profile Form (WSPF) which includes, at a minimum, the information indicated on the attached WSPF found in Figure C-1 and a Characterization Information Summary (CIS) prior to waste disposal at the WIPP? (Section C-1d)	CCP-TP-002 (All)	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>16</b>	Are procedures in place to ensure that additional WSPFs are provided to WIPP and NMED for waste streams or portions of waste streams that are reclassified based upon waste characterization information? (Section C-1d)	CCP-TP-002 (All)	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory	Y	No revisions to the WSPF were required.

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>16a</b>	Are criteria in place to determine the specific circumstances under which a WSPF is revised versus when a new WSPF is required? (Section C-1d)	CCP-TP-002 S.4.7	Y	N/A	N/A	No revisions to the WSPF were required.

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>LABORATORY QUALIFICATION</b>						
<b>17</b>	Are procedures in place to ensure that the generator/storage site conduct analyses using laboratories that are qualified through participation in the Performance Demonstration Program (PDP) for headspace gas sampling and analysis, and PDP homogeneous waste sampling and analysis? (Section C-3a(3))	N/A	N/A	N/A	N/A	INL/CCP only performs HSG sampling. INL Labs PDP qualification verified during Audit A-11-13.
	Are procedures in place to ensure that the generator/storage sites conduct analyses using laboratories that implement the analytical methods through laboratory-documented standard operating procedures (SOPs) that ensure that analytical QAOs are met? (Section C-3a(3))	N/A	N/A	N/A	N/A	INL/CCP only performs HSG sampling. INL Labs PDP qualification verified during Audit A-11-13.
<b>19</b>	Are procedures in place to ensure that documented laboratory QA/QC programs include the following: <ul style="list-style-type: none"> <li>• Facility organization</li> <li>• List of equipment/instrumentation</li> <li>• Operating procedures</li> <li>• Laboratory QA/QC procedures</li> <li>• Quality assurance review</li> <li>• Laboratory records management</li> </ul> (Section C-4a(4))	N/A	N/A	N/A	N/A	INL/CCP only performs HSG sampling. INL Labs PDP qualification verified during Audit A-11-13.
<b>GENERAL SAMPLING AND ANALYTICAL REQUIREMENTS</b>						
<b>20</b>	Are procedures in place to ensure that headspace gas sampling and analysis shall be used to: <ul style="list-style-type: none"> <li>• Determine the types and concentrations of VOCs in the void volume of waste containers</li> <li>• VOC constituents shall be compared to those assigned by Acceptable Knowledge</li> </ul> (Section C-3a(1))	CCP-TP-005 S.4.5.3	Y	INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>22</b>	Are procedures in place to ensure that compounds not on the list of target analytes are reported as tentatively identified compounds (TICs) and that the TIC will be added to the target analyte list if it appears in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list and if they are reported in 25% of the waste containers sampled from a given waste stream? (Section C-3a(1))	CCP-TP-003 S.4.3	Y	INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>23</b>	Are procedures in place to ensure that a randomly selected set of samples will be collected through core sampling or other EPA approved sampling from the population of waste containers for homogeneous and soil/gravel waste streams? Are procedures in place that a sufficient number of samples are collected to evaluate the toxicity characteristic of a waste stream at a 90 percent Upper Confidence limit as specified in Attachment C2? (Section C-3a(2))	<b>PL</b> CCP-TP-162 (All)	Y	<b>PL</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<u>SOL</u> CCP-TP-162 (All)	Y	<b>(GEN-5)</b> CP:08:00303 – Solids Random sample Selection Memorandum for the First Lot of Containers of Waste Stream ID-RTC-S3000 Inorganic Sludges Characterized by the Central Characterization Project at the Idaho National Laboratory (Remote Handled). CP:10:01457 – Solids Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Solidified Liquids and Sludges Waste, Waste Stream LL- W019-S3900, being Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.1 CP:10:01760 – Sample Selection Container Replacement Memorandum ID-LL- W019-S3900 <b>(GEN-6)</b> <u>SOL</u> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>24</b>	Are procedures in place to ensure that total analyses or TCLP of VOCs, SVOCs, and RCRA-regulated metals are performed on all core samples to determine if the waste exhibits a toxicity characteristic? (Section C-3a(2))	N/A	N/A	N/A	N/A	INL/CCP only performs HSG sampling. INL Labs PDP qualification verified during Audit A-11-13.
<b>25</b>	Are procedures in place to ensure that Acceptable Knowledge is used in waste characterization activities to delineate TRU mixed waste streams, to assess whether TRU mixed wastes comply with the TSDF-WAC, to assess whether TRU mixed waste exhibits a hazardous characteristic (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart C), and to assess whether TRU wastes are listed (20.4.1.200 NMAC, incorporating 40 CFR 261 Subpart D), and to estimate waste material parameter weights? (Section C-3b)	CCP-TP-005 S.4.4.11 S.4.4.16 S.4.4.17 S.4.4.27 S.4.4.31 S.4.4.34[K], [L] & [M] CCP-TP-006 (All) CCP-TP-500 S.4.4	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S2.1, 2.3 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S2.0 <b>(AK-2)</b>  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S2.0 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S2.0 <b>(AK-4)</b>  AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3.4, 5.4.3.6, 5.4.4, 7.4.3.4, 7.4.3.6, 7.4.4, <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				SOIL, CCP-AK-INL-001 R10, S5.6.5, 5.6.6, 5.7 <b>(AK-2)</b> CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2.3, 5.4.4, 5.4.5, <b>(AK-3)</b> CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2.3, 5.4.4, 5.4.5 <b>(AK-4)</b> AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b> NCRs for prohibited items <b>(AK-26)</b> <u>VE BDRs</u> RHINLVE100001 <b>(AK-29)</b> IN-ARP-VE-002125 <b>(AK-30)</b> IN-ARP-VE-002086 <b>(AK-31)</b> AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3, 7.4.3, tables 6, 7, 15 <b>(AK-1)</b> CCP AK Summary Report for Waste		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6, tables 5-5, 5-6, <b>(AK-2)</b>  CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2, tables 3, 4 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2, tables 3, 4 <b>(AK-4)</b>  AK Att. 5, Hazardous Constituents, for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-61)</b>  AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.1.2, 7.4.1.2, tables 4 & 13 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.4.4, table 5-1D <b>(AK-2)</b>  CCP AK Summary Report for RH TRU		



	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		Att. 1		IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>27</b>	<p>Are procedures in place to ensure that the following characterization activities shall occur for newly generated wastes:</p> <ul style="list-style-type: none"> <li>• Acceptable Knowledge for all wastes, with sampling and analysis as necessary to augment AK including;               <ul style="list-style-type: none"> <li>- Either visual examination during packaging or radiography (or VE in lieu of radiography) after packaging for all waste containers, ensuring this occurs prior to any treatment designed to supercompact waste</li> <li>- Headspace gas analysis for randomly selected containers, except for qualifying waste containers belonging to LANL sealed sources waste streams</li> <li>- Total VOC, SVOC, and Metals analyses for a selected number of homogeneous solids and soil/gravel waste containers as specified in Attachment C2</li> <li>- Evaluation of any TICs found in headspace gas and totals analyses</li> </ul> </li> </ul> <p>(Section C-3d(1))</p>	<p><b>AK</b>            CCP-TP-005            S.4.4 and S.4.5</p>	Y	<p>CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10 <b>(AK-2)</b></p> <p>IN-ARP-VE-002125 <b>(AK-30)</b>            IN-ARP-VE-002086 <b>(AK-31)</b>            S4200-LOT-04-05<b>(AK-44)</b>            ALD10025V <b>(AK-45)</b>            ALD10025S <b>(AK-46)</b>            ALD10025M <b>(AK-47)</b>            ALD10025N <b>(AK-48)</b></p> <p>Solids S&amp;A Random Container Selection Memos for ID-SDA-SOIL <b>(AK-23)</b></p> <p>Solids Summary Reports for ID-SDA-SOIL <b>(AK-24)</b></p> <p>Waste Stream Characterization Checklists for ID-SDA-SOIL lots 45, 48 <b>(AK-25)</b></p>	Y	
		<p><b>PL</b>            CCP-TP-002 (All)            CCP-TP-162 (All)</p>	Y	<p><b>PL</b></p> <p>INRTR5110016            INRTR5100031            INRTR5100023            INLRHRTR10013            INLRHRTR11001</p> <p><b>(GEN-1)</b></p> <p>IN-ARP-VE-002402            IN-ARP-VE-002268            RHINLVE110001</p> <p><b>(GEN-2)</b></p> <p>INHSGS100005            ECL10022G            ECL10022M</p>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>27a</b>	Are procedures in place to ensure that the visual examination during packaging for all waste containers includes the documentation of packaging configuration, type and number of filters, and rigid liner vent hole presence and diameter necessary to determine the appropriate DAC in accordance with Permit Attachment C1, Section C1-1? (Section C-3d(1))	CCP-TP-113 Att. 1 and 2 CCP-TP-500 Att. 1 CCP-TP-006 Att. 1	Y	(BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>		
	Are procedures in place to ensure that the following characterization activities shall occur for retrievably stored wastes: <ul style="list-style-type: none"> <li>• Acceptable Knowledge for all wastes, with sampling and analysis as necessary to augment AK including;               <ul style="list-style-type: none"> <li>- Visual examination or radiography for all waste containers</li> <li>- Headspace gas analysis for randomly selected containers except for qualifying waste containers belonging to LANL sealed sources waste streams</li> <li>- Total VOC, SVOC, and Metals analyses for a statistically selected number of homogeneous solids and soil/gravel waste containers as specified in Attachment C2</li> <li>- Evaluation of any TICs found in headspace gas and totals analyses</li> </ul> </li> </ul> (Section C-3d(2))	<b>AK</b> CCP-TP-005 S.4.4 and S.4.5	Y	AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1 <b>(AK-1)</b> CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3 <b>(AK-3)</b> CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2 <b>(AK-4)</b>  RHINLVE100001 <b>(AK-29)</b> INLRHRTR10012 <b>(AK-32)</b> INLRHRTR09006 <b>(AK-33)</b> INRTR5100031 <b>(AK-34)</b> INRTR5100033 <b>(AK-35)</b> INRTR5100036 <b>(AK-36)</b> INLRHRTR10014 <b>(AK-37)</b> INHSGS090009 <b>(AK-38)</b> ECL09022M <b>(AK-39)</b> INHSGS100008 <b>(AK-40)</b> ECL10031M <b>(AK-41)</b> INHSGS100006 <b>(AK-42)</b> ECL10024M <b>(AK-43)</b> IDRHO902 <b>(AK-49)</b> ALD09007V <b>(AK-50)</b> ALD09007S <b>(AK-51)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<p><b>PL</b>            CCP-TP-002            (All)            CCP-TP-162            (All)</p>	Y	<p>ALD09007M <b>(AK-52)</b>            ALD09007N <b>(AK-53)</b>            SSG10-00003 <b>(AK-54)</b>            ALD10058V <b>(AK-55)</b>            ALD10058S <b>(AK-56)</b>            ALD10058M <b>(AK-57)</b>            ALD10058N <b>(AK-58)</b></p> <p>HSG S&amp;A Random Container Selection memos for ID-LL-M001-S5400 and ID-HFEF-S5400-RH <b>(AK-21)</b></p> <p>HSG Summary Reports for ID-LL-M001-S5400 and ID-HFEF-S5400-RH <b>(AK-22)</b></p> <p>Solids S&amp;A Random Container Selection Memos for ID-LL-T004-S3141 and ID-RTC-S3000 <b>(AK-23)</b></p> <p>Solids Summary Reports for ID-LL-T004-S3141 and ID-RTC-S3000 <b>(AK-24)</b></p> <p>Waste Stream Characterization Checklists for ID-LL-M001-S5400, ID-HFEF-S5400-RH, ID-LL-T004-S3141 and ID-RTC-S3000 <b>(AK-25)</b></p> <p><b>PL</b>            INRTR5110016            INRTR5100031            INRTR5100023            INLRHRTR10013            INLRHRTR11001  <b>(GEN-1)</b>            IN-ARP-VE-002402</p>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>  CP:08:00303 – Solids Random sample		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Selection Memorandum for the First Lot of Containers of Waste Stream ID-RTC-S3000 Inorganic Sludges Characterized by the Central Characterization Project at the Idaho National Laboratory (Remote Handled).  CP:10:01457 – Solids Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Solidified Liquids and Sludges Waste, Waste Stream LL-W019-S3900, being Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.1  CP:10:01760 – Sample Selection Container Replacement Memorandum ID-LL-W019-S3900  <b>(GEN-6)</b>  CP:10:01758 – Headspace Gas Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Heterogeneous Debris Waste, Waste Stream LL-M001-S5400, Being Characterized by the Central Characterization Project at the Idaho National Laboratory Site,		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Rev.2 CP:11:01337 – 100 Percent Headspace Gas sampling in Lieu of Random Selection for Waste Stream ID-GEVNC-02 CP:10:01647 – Subsequent Headspace Gas Random Sample Selection Candidate Memorandum for Lot 3 of Containers of Waste Stream ID-HFEF-S5400-RH Debris Characterized by the Central Characterization Project at the Idaho National Laboratory. <b>(GEN-7)</b>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>DATA GENERATION, VERIFICATION, VALIDATION, DOCUMENTATION, AND QUALITY ASSURANCE</b>						
<b>30</b>	<p>Are procedures in place to ensure that the following Data Quality Objectives are met:</p> <ul style="list-style-type: none"> <li>Use Acceptable Knowledge to delineate TRU mixed waste streams, assess whether TRU mixed wastes comply with the applicable requirements of the TSDF-WAC, assess whether TRU mixed wastes exhibit a hazardous characteristic, assess whether TRU mixed wastes are listed and to estimate waste material parameter weights</li> <li>Use Headspace gas sampling and analysis, as necessary, to identify and quantify VOCs in waste containers to resolve the assignment of EPA hazardous waste numbers</li> <li>Perform totals analyses of homogeneous solids and soils/gravel wastes to establish if the waste is hazardous based on the toxicity characteristics levels in 20.4.1.200 NMAC through a comparison of the upper confidence limits (UCL<sub>90</sub>) of the mean concentrations to resolve the assignment of hazardous waste numbers</li> <li>Use radiography or visual examination to determine physical waste form, the absence of prohibited items, and additional waste characterization techniques that may be used based on Summary Category Groups</li> </ul> <p>(Section C-4a(1))</p>	<p><b>AK</b>            CCP-TP-005            S.4.4.11            S.4.4.16            S.4.4.17            S.4.4.27            S.4.4.31            S.4.4.34[K], [L] &amp; [M]            CCP-TP-006 (All)            CCP-TP-500            S.4.4</p>	Y	<p>AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S2.1, 2.3 <b>(AK-1)</b></p> <p>CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S2.0 <b>(AK-2)</b></p> <p>CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S2.0 <b>(AK-3)</b></p> <p>CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S2.0 <b>(AK-4)</b></p> <p>AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3.4, 5.4.3.6, 5.4.4, 7.4.3.4, 7.4.3.6, 7.4.4, <b>(AK-1)</b></p> <p>CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6.5, 5.6.6, 5.7 <b>(AK-2)</b></p>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2.3, 5.4.4, 5.4.5, <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2.3, 5.4.4, 5.4.5 <b>(AK-4)</b>  AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b>  NCRs for prohibited items <b>(AK-26)</b>  <u>VE BDRs</u> RHINLVE100001 <b>(AK-29)</b> IN-ARP-VE-002125 <b>(AK-30)</b> IN-ARP-VE-002086 <b>(AK-31)</b>  AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.3, 7.4.3, tables 6, 7, 15 <b>(AK-1)</b>  CCP AK Summary Report for Waste Retrieved from Designated Areas within		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				<p>the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.6, tables 5-5, 5-6, <b>(AK-2)</b></p> <p>CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.2, tables 3, 4 <b>(AK-3)</b></p> <p>CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.2, tables 3, 4 <b>(AK-4)</b></p> <p>AK Att. 5, Hazardous Constituents, for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-61)</b></p> <p>AK Summary Report for INL LLNL Waste Streams, ID-LL-M001-S5400, ID-LL-T004-S3141, CCP-AK-INL-018 R1, S5.4.1.2, 7.4.1.2, tables 4 &amp; 13 <b>(AK-1)</b></p> <p>CCP AK Summary Report for Waste Retrieved from Designated Areas within the SDA at INL, ID-SDA-SOIL, CCP-AK-INL-001 R10, S5.4.4, table 5-1D <b>(AK-2)</b></p> <p>CCP AK Summary Report for RH TRU Debris Waste from MFC HFEF at the INL, ID-</p>		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<u>PL</u> CCP-TP-002 (All)	Y	HFEF-S5400-RH, CCP-AK-INL-580 R3, S5.4.1.2, table 2 <b>(AK-3)</b>  CCP AK Summary Report for Stored RH TRU Sludge Waste from RTC at the INL, ID-RTC-S3000, CCP-AK-INL-520 R2, S5.4.1.2, table 2 <b>(AK-4)</b>  Memos attached to AK Att. 6, Waste Form, Waste Material Parameters, Prohibited Items and Packaging for waste streams ID-LL-M001-S5400, ID-LL-T004, S3141, ID-SDA-SOIL, ID-HFEF-S5400-RH and ID-RTC-S3000 <b>(AK-62)</b>  <u>PL</u> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 - Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
	Are procedures in place to ensure that the following Quality Assurance Objectives are adequately defined and assessed for each characterization method: <ul style="list-style-type: none"> <li>Precision as a measure of the mutual agreement among multiple measurements.</li> <li>Accuracy as the degree of agreement between a measurement result and a true or known value.</li> <li>Completeness is a measure of the amount of valid data obtained from a method compared to the total amount of data obtained that is expressed as a percentage.</li> <li>Comparability is the degree to which one data set can be compared to another data set.</li> <li>Representativeness as an expression of the degree to which data</li> </ul>	<b>RTR</b> CCP-TP-053 Att. 3 CCP-TP-508 Att. 4	Y	<b>RTR</b> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	



	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
(Section C3-10a)						
		<b>HSG</b> CCP-TP-106 S.4.1, Att. 2 and 3	Y	INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>  <b>HSG</b> Bullet 1:  <u>RH BDRs</u> INHSG1103 <b>(HSG-2)</b>  <u>CH BDRs</u> INHSG1101 <b>(HSG-1)</b> INHSG1104 <b>(HSG-3)</b> INHSG1105 <b>(HSG-4)</b>  Bullet 2:  <u>RH BDRs</u> INHSG1103, P. 3-4 <b>(HSG-2)</b>  <u>CH BDRs</u> INHSG1101, P. 3-4 <b>(HSG-1)</b> INHSG1104, P. 3-4 <b>(HSG-3)</b> INHSG1105, P. 3-4 <b>(HSG-4)</b>	Y	<b>HSG</b> INL/CCP only performs HSG sampling. Data packages only require ITR review.
		<b>VE</b> CCP-TP-113 Att. 2 and 3 CCP-TP-006 Att. 1 and 2 CCP-TP-500 Att. 1 and 2	Y	<b>VE</b> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419	Y	

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<b>SOL</b> CCP-TP-008 Att. 1, 2, and 3  CCP-TP-512 Att. 1, 2, and 3	Y	IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>  <b>SOL</b> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>33</b>	Are procedures in place to ensure that the generator/storage site performs validation of waste characterization data for each waste container? (Section C-4)	<b>PL</b> CCP-TP-001 S.4.2 CCP-TP-500 S.4.4	Y	<b>PL</b> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N	Y	

WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
	Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
			ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b>		
	<u><b>RTR</b></u> CCP-TP-053 S.4.10 and Att. 3 CCP-TP-508 S.4.9 and Att. 3	Y	<u><b>RTR</b></u> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	
	<u><b>HSG</b></u> CCP-TP-106 S.4.1.4 and Att. 3	Y	<u><b>HSG</b></u> RH BDRs INHSG1103, P. 3-4 <b>(HSG-2)</b>  CH BDRs INHSG1101, P. 3-4 <b>(HSG-1)</b> INHSG1104, P. 3-4 <b>(HSG-3)</b> INHSG1105, P. 3-4 <b>(HSG-4)</b>	Y	<u><b>HSG</b></u> INL/CCP only performs HSG sampling.

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<u><b>VE</b></u> CCP-TP-113 Att. 2 and 3 CCP-TP-006 Att. 1 and 2 CCP-TP-500 Att.1 and 2	Y	<u><b>VE</b></u> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>	Y	
		<u><b>SOL</b></u> CCP-TP-008 Att. 1, 2, and 3 CCP-TP-512 Att. 1, 2, and 3	Y	<u><b>SOL</b></u> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
	Are procedures in place to ensure that the generator/storage site has a pre-approved format for reporting waste characterization data? (Section C-4a(4))	<u><b>PL</b></u> CCP-TP-001 S.4.2 CCP-TP-500 S.4.4	Y	<u><b>PL</b></u> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M  <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M  <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL- W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
		<u>RTR</u> CCP-TP-053 (All) CCP-TP-508 (All)	Y	<u>RTR</u> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045	Y	

WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
	Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<p><b>HSG</b>            CCP-TP-106            S.4.1, Att. 2 and 3</p> <p><b>VE</b>            CCP-TP-113            Att. 2 and 3            CCP-TP-006            Att. 1 and 2            CCP-TP-500            Att. 1 and 2</p> <p><b>SOL</b>            CCP-TP-008            Att. 1, 2, and 3            CCP-TP-512            Att. 1, 2, and 3</p>	<p>Y</p> <p>Y</p> <p>Y</p>	<p>INLRHRTR10010            INLRHRTR10017            INLRHRTR10019            INLRHRTR11001  <b>(RTR-1)</b></p> <p><b>HSG</b>  <u>RH BDRs</u>            INHSG1103 <b>(HSG-2)</b></p> <p><u>CH BDRs</u>            INHSG1101 <b>(HSG-1)</b>            INHSG1104 <b>(HSG-3)</b>            INHSG1105 <b>(HSG-4)</b></p> <p><b>VE</b>            (BDRs)            IN-ARP-VE-002061            IN-ARP-VE-002140            IN-ARP-VE 002297            IN-ARP-VE-002421            IN-ARP-VE-002294            IN-ARP-VE-002331            IN-ARP-VE-002150            IN-ARP-VE-002084            IN-ARP-VE-002419            IN-ARP-VE-002146            IN-ARP-VE-002427            IN-ARP-VE-002371            RH-INL-VE-110001  <b>(VE-1)</b></p> <p><b>SOL</b>            (BDRs)            S3900-LOT-04-05            S4200-LOT-04-01            S4200-LOT-04-04  <b>(SOL-1)</b></p>	<p>Y</p> <p>Y</p> <p>Y</p>	<p><b>HSG</b>            INL/CCP only performs HSG sampling.</p>

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>35</b>	Are procedures in place to ensure that the generator/storage site prepares analytical, testing, and sampling batch data reports to meet the requirements of their own site-specific QAPjP and/or SOPs? (Section C-4a(4))	<b>PL</b> CCP-TP-001 S.4.2 CCP-TP-500 S.4.4	Y	<b>PL</b> INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b>	Y	

WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
	Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<b><u>RTR</u></b> CCP-TP-053 (All) CCP-TP-508 (All)	Y	<b><u>RTR</u></b> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	
	<b><u>HSG</u></b> CCP-TP-106 S.4.1, Att. 2 and 3	Y	<b><u>HSG</u></b> <b><u>RH BDRs</u></b> INHSG1103 <b>(HSG-2)</b>  <b><u>CH BDRs</u></b> INHSG1101 <b>(HSG-1)</b> INHSG1104 <b>(HSG-3)</b> INHSG1105 <b>(HSG-4)</b>	Y	<b><u>HSG</u></b> INL/CCP only performs HSG sampling.
	<b><u>VE</u></b> CCP-TP-113 Att. 2 and 3 CCP-TP-006 Att. 1 and 2 CCP-TP-500 Att. 1 and 2	Y	<b><u>VE</u></b> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<b>SOL</b> CCP-TP-008 Att. 1, 2, and 3 CCP-TP-512 Att. 1, 2, and 3	Y	<b>SOL</b> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>36</b>	<p>Are procedures in place to ensure that all raw data is collected and managed at the data generation level in accordance with the following criteria:</p> <ul style="list-style-type: none"> <li>All raw data shall be signed and dated in reproducible ink by the individual collecting the data, or signed and dated using electronic signatures</li> <li>All data shall be recorded clearly, legibly, and accurately in field and laboratory records and include all applicable sample identification numbers</li> <li>All changes to original data shall be lined out, initialed, and dated by the individual making the change. Original data may not be obliterated or otherwise be made unreadable</li> <li>All data shall be transferred and reduced from field and laboratory records completely and accurately</li> <li>All field and laboratory records shall be maintained as specified in Table C-6 of Attachment C</li> <li>Data shall be organized into standard reporting formats for reporting purposes.</li> <li>All electronic and video data must be stored to ensure that waste container, sample and QC data are readily retrievable</li> </ul> <p>(Section C3-10a)</p>	<p><b>RTR</b> CCP-TP-053 S.5.0, Att. 2 and 3</p> <p>CCP-TP-508 S.5.0, Att. 2 and 3</p>	Y	<p>INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b></p>	Y	
		<p><b>HSG</b> CCP-TP-106 S.4.1, Att. 2 and 3, and S.5.0</p>	Y	<p><b>HSG</b> <u>RH BDRs</u> INHSG1103, P. 3-4 <b>(HSG-2)</b></p> <p><u>CH BDRs</u> INHSG1101, P. 3-4 <b>(HSG-1)</b> INHSG1104, P. 3-4 <b>(HSG-3)</b> INHSG1105, P. 3-4 <b>(HSG-4)</b></p>	Y	<b>HSG</b> INL/CCP only performs HSG sampling.
		<p><b>VE</b> CCP-TP-113 S.5.0, Att. 2 and 3</p> <p>CCP-TP-006 S.5.0, Att. 1 and 2</p> <p>CCP-TP-500 S.5.0, Att. 1 and 2</p>	Y	<p><b>VE</b> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b></p>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<b>SOL</b> CCP-TP-008 S.5.0, Att. 1, 2, and 3 CCP-TP-512 S.5.0, Att. 1,2, and 3	Y	<b>SOL</b> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>37</b>	<p>Are procedures in place to ensure that 100 % of batch data reports are subject to independent technical review by an individual qualified to review the data who was not involved in the generation or recording of the data under review. The reviewer shall release the data through signature with an associated review checklist prior to characterization of the associated waste and shipment to the WIPP. The review shall ensure the following, as applicable:</p> <ul style="list-style-type: none"> <li>Data generation and reduction were conducted according to the methods used and reported in the proper units and significant figures</li> <li>Calculations have been verified by a valid calculation program, a spot check of verified calculation programs, and/or a 100 percent check of all hand calculations</li> <li>The data have been reviewed for transcription errors</li> <li>The testing, sampling, and analytical QA documentation for BDRs is complete and includes, as applicable, raw data, DAC and equilibrium calculations and times, calculation records, chain of custody forms, calibration records, QC sample results and copies or originals of gas canister sample tags.</li> <li>All QC sample results are within established control limits, and if not, the data has been appropriately qualified</li> <li>Reporting flags were assigned correctly</li> <li>Sample holding times and preservation requirements were met, or exceptions documented</li> <li>Radiography tapes are reviewed on a waste container basis at a minimum of once per testing batch or once per day of operation, whichever is less frequent. The radiography tape will be reviewed against the data on the radiography form to ensure that data are complete and correct</li> <li>Field sampling records are complete</li> </ul>	<p><b>RTR</b> CCP-TP-053 S.4.6, S.4.10, and Att. 3 CCP-TP-508 S.4.5, S.4.9, and Att. 3</p> <p><b>HSG</b> CCP-TP-106 S.4.1 and Att. 3</p> <p><b>VE</b> CCP-TP-113 Att. 3 CCP-TP-006 Att. 2 CCP-TP-500</p>	<p>Y</p> <p>Y</p> <p>Y</p>	<p><b>RTR</b> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b></p> <p><b>HSG</b> <b>RH BDRs</b> INHSG1103, P. 3-4 <b>(HSG-2)</b></p> <p><b>CH BDRs</b> INHSG1101, P. 3-4 <b>(HSG-1)</b> INHSG1104, P. 3-4 <b>(HSG-3)</b> INHSG1105, P. 3-4 <b>(HSG-4)</b></p> <p><b>VE</b> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297</p>	<p>Y</p> <p>Y</p> <p>Y</p>	<p><b>HSG</b> INL/CCP only performs HSG sampling.</p>



	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<p>headspace gas and homogeneous solids and soil/gravel were taken</p> <ul style="list-style-type: none"> <li>Data generation level independent technical review, validation, and verification have been performed as evidenced by the completed review checklists and appropriate signature releases.</li> <li>Independent technical reviewers were not involved in the generation or recording of the data under review.</li> <li>Batch Data review checklists are complete</li> <li>Batch Data Reports are complete and data properly reported</li> <li>Verify that data are within established data assessment criteria and meet all applicable QAOS</li> </ul> <p>(Section C3-10(b)(1))</p>			<p><b>(GEN-3)</b>            S3900-LOT-04-05            ALD10020V            ALD10020S            ALD10020N            ALD10020M            S4200-LOT-04-05            ALD10025V            ALD10025S            ALD10025N            ALD10025M            S4200-LOT-04-01            ALD10041V            ALD10041S            ALD10041N            ALD10041M</p> <p><b>(GEN-4)</b>            CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.            CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.            CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and</p>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>  CP:08:00303 – Solids Random sample Selection Memorandum for the First Lot of Containers of Waste Stream ID-RTC-S3000 Inorganic Sludges Characterized by the Central Characterization Project at the Idaho National Laboratory (Remote Handled).  CP:10:01457 – Solids Random Sample Selection Memorandum for the First Lot of Containers of Lawrence		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Livermore National Laboratory Solidified Liquids and Sludges Waste, Waste Stream LL-W019-S3900, being Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.1  CP:10:01760 – Sample Selection Container Replacement Memorandum ID-LL-W019-S3900  <b>(GEN-6)</b>  CP:10:01758 – Headspace Gas Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Heterogeneous Debris Waste, Waste Stream LL-M001-S5400, Being Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.2  CP:11:01337 – 100 Percent Headspace Gas sampling in Lieu of Random Selection for Waste Stream ID-GEVNC-02  CP:10:01647 – Subsequent Headspace Gas Random Sample Selection Candidate Memorandum for Lot 3 of Containers of Waste Stream ID-HFEF-S5400-		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				RH Debris Characterized by the Central Characterization Project at the Idaho National Laboratory. <b>(GEN-7)</b>		
<b>42</b>	Are procedures in place to ensure that a repeat of the data review process at the data generation level will be performed on a minimum of one randomly chosen waste container every quarter to determine if the verification and validation is performed according to documented procedures?  (Section C3-10b)	CCP-TP-001 S.4.3	Y	CH - 2Q2010 – CP:10:01585 HSG; CP:10:01468/ CP:10:01552 RTR; CP:10:01446/ CP:10:01635 SS; CP:10:01466/ CP:10:01521 VE; 3Q2010 – CP:10:01646/ CP:11:01160 HSG; CP:10:01698/ CP:11:01155 RTR; CP:10:01630/ CP:10:01752 SS; CP:10:01697/ CP:10:01735 VE; 4Q2010 – CP:11:01050/ CP:11:01154 HSG; CP:11:01051/ CP:11:01155 RTR; CP:11:01034/ CP:11:01229 SS; CP:11:01053/ CP:11:01156 VE; 1Q2011 – CP:11:01256/ CP:11:01315 HSG; CP:11:01257/ CP:11:01316 RTR; CP:11:01235/ None SS; CP:11:01280/ CP:11:01314 VE;  RH – 2Q2010 – CP:10:01427/ CP:11:01032 HSG; CP:10:01487/ CP:10:01573 RTR; 3Q2010 – CP:10:01695/ CP:10:01600 HSG; CP:10:01602/	Y	Objective evidence - 1Q2011 (None Solids): no sampling occurred that quarter for that characterization process.

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CP:10:01700 RTR; 4Q2010 - CP:11:01096/ CP:11:01011 HSG; CP:11:01012/ CP:11:01127 RTR; 1Q2011 - None HSG; CP:11:01204/ CP:01296 RTR <b>(GEN-8)</b>		
43	Are procedures in place and checklists are available to prepare a Site Project Manager (SPM) Summary and a Data Validation Summary (the summaries may be in the same document)? The SPM Summary includes a validation checklist for each batch that is of sufficient detail to document all aspects of a batch data report that could affect data quality. The Data Validation Summary must identify each Batch Data Report reviewed, describe how the validation was performed, identify all problems, and identify all acceptable and unacceptable data. Summaries must include release signatures. (Section C3-10b(2))	CCP-TP-001 S.3.1.6, S.3.1.8, and S.4.2 CCP-TP-500 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b>		
<b>44</b>	Are procedures in place to ensure that non-administrative, WAP-related nonconformances first identified at the site project manager level are reported to the Permittees within seven calendar days of identification, that nonconformance reports are prepared within 30 calendar days, and that corrective action is implemented prior to waste shipment? (Section C3-13)	CCP-QP-005 S.2.4.1 and S.2.4.2	Y	<u>CH NCRs:</u> NCR-INL-0511-11 NCR-INL-0513-11 <u>RH NCRs:</u> NCR-RHINL-0508-10 NCR-RHINL-0510-10 <b>(GEN-14)</b>	Y	
<b>45</b>	Are procedures in place to ensure that any waste container for which a nonconformance report (NCR) has been written will not be shipped to the WIPP facility unless the condition that led to the NCR for that container is appropriately identified, reconciled, corrected, and documented? Are nonconformance reports prepared for nonconformances identified? Are nonconformances identified and tracked, and does the Site Project Manager oversee the nonconformance report process? (Section C3-13)	CCP-QP-005 (All)	Y	<u>CH NCR Logs:</u> INL NCR Log 2010 INL NCR Log 2011 <u>RH NCR Logs:</u> RHINL NCR Log 2010 RHINL NCR Log 2011 INL CH NCR Log Reconciliation CY 2010 INL CH DGL NCR Log Reconciliation CY 2010 INL RH NCR Log Reconciliation CY 2010 INL RH DGL NCR Log Reconciliation CY 2010 SPM NCR Oversight Report <b>(GEN-15)</b> <u>CH NCRs:</u> NCR-INL-0036-10 NCR-INL-0147-10 NCR-INL-0501-11 NCR-INL-0601-11 NCR-INL-2852-11 <u>RH NCRs:</u> NCR-RHINL-2580-11	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				NCR-RHINL-2579-11 NCR-RHINL-0007-10 <b>(GEN-16)</b>		
<b>SAMPLE CONTROL</b>						
<b>46</b>	<p>Are procedures in place to ensure that the site's sample handling and control program includes the following:</p> <ul style="list-style-type: none"> <li>Field documentation of samples including point of origin, date of sample, container identification, sample type, analysis requested, and chain-of-custody (COC) number?</li> <li>Proper labeling and/or tagging including proper sample numbering, sample identification, sample date, sampling conditions, and analysis requested?</li> <li>COC record including name of sample relinquisher, sample receiver, and date and time of sample transfer? and</li> <li>Proper sample handling and preservation?</li> </ul> <p>(Section C-4a(3))</p>	<p><b>HSG</b> CCP-TP-093 S.4.4.4, S.4.5, and Att. 1</p> <p><b>SOL</b> CCP-TP-008 Att. 1, 2, and 3 CCP-TP-512 Att. 1, 2, and 3</p>	<p>Y</p> <p>Y</p>	<p><b>HSG</b> RH BDRs INHSG1103, P. 5-6 <b>(HSG-2)</b></p> <p>CH BDRs INHSG1101, P. 5-6 <b>(HSG-1)</b> INHSG1104, P. 5-6 <b>(HSG-3)</b> INHSG1105. P. 5-6 <b>(HSG-4)</b></p> <p><b>SOL</b> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b></p>	<p>Y</p> <p>Y</p>	<p><b>HSG</b> INL/CCP only performs HSG sampling.</p>
<b>47</b>	<p>Are procedures in place to ensure that the site's QAPjP or site-specific procedures includes COC forms to control the sample from the point of origin to the final analysis result reporting?</p> <p>(Section C-4a(3))</p>	<p><b>HSG</b> CCP-TP-093 S.4.0 and Att. 1</p>	<p>Y</p>	<p><b>HSG</b> RH BDRs INHSG1103, P. 5-6 <b>(HSG-2)</b></p> <p>CH BDRs INHSG1101, P. 5-6 <b>(HSG-1)</b> INHSG1104, P. 5-6 <b>(HSG-3)</b> INHSG1105. P. 5-6</p>	<p>Y</p>	<p><b>HSG</b> INL/CCP only performs HSG sampling.</p>

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<b>SOL</b> CCP-TP-008 Att. 1 and 2  CCP-TP-512 Att. 1 and 2	Y	<b>(HSG-4)</b>  <b>SOL</b> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>DATA TRANSMITTAL</b>						
<b>48</b>	Are procedures in place to ensure that the generator/storage site transmits data by hard copy or electronic copy from the data generation level to the site project level? If electronic, does the generator/site have a hard copy available on demand? (Section C-4a(6))	CCP-TP-001 S.4.2 and S.4.2.1  CCP-TP-500 S.4.3.8, S.4.3.9, and S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b>  IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b>  INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b>  S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b>		
	Are procedures in place to ensure that the generator/storage site inputs the data into the WWIS manually or electronically? (Section C-4a(6))	CCP-TP-030 (All) CCP-TP-530 (All)	Y	CH WWIS Data Package for Waste Container No. ARP21804 ARP11020 ARP06227 <b>(GEN-17)</b> RH WWIS Data Package for Canister ID0244 Containing Waste Container No. SN053A <b>(GEN-18)</b>	Y	
<b>51</b>	Are procedures in place to ensure that the generator/storage site enters the data into the WWIS in the exact format required by the database? (Section C-4a(6))	CCP-TP-030 (All) CCP-TP-530 (All)	Y	CH WWIS Data Package for Waste Container No. ARP21804 ARP11020 ARP06227 <b>(GEN-17)</b> RH WWIS Data Package for Canister ID0244 Containing Waste Container No. SN053A <b>(GEN-18)</b>	Y	
<b>51a</b>	Are procedures in place to ensure that if a container was part of a composite headspace gas sample, the analytical results from the composite sample must be assigned as the container headspace gas data results, including associated TICs, for every waste container associated with the composite sample in the WWIS? (Section C3-12b(4))	N/A	N/A	NA	NA	INL/CCP DOES NOT COMPOSITE HEADSPACE GAS
<b>52</b>	Are procedures in place to ensure all of the data presented on Table C-7 of the	CCP-TP-030	Y	CH WWIS Data Package	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	Permit is transmitted to the WWIS? (Table C-7)	(All) CCP-TP-530 (All)		for Waste Container No. ARP21804 ARP11020 ARP06227 <b>(GEN-17)</b> RH WWIS Data Package for Canister ID0244 Containing Waste Container No. SN053A <b>(GEN-18)</b>		
<b>RECORDS AND RECORD MANAGEMENT</b>						
<b>55</b>	Are procedures in place to ensure that the generator/storage site's hard copy and/or electronic data reports follow the Permittees' format requirements? (Section C-4a(4))	CCP-TP-001 S.4.2 CCP-TP-500 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M  <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>56</b>	Are procedures in place to ensure that hard copy or electronic Waste Stream Profile Form will include the following: <ul style="list-style-type: none"> <li>• Generator/storage site name</li> <li>• Generator/storage site EPA ID</li> <li>• Date of audit report approval by NMED (if obtained)</li> <li>• Original generator of waste stream</li> <li>• Whether waste is Contact-Handled or Remote-Handled</li> <li>• Waste Stream WIPP Identification Number</li> <li>• Summary Category Group</li> <li>• Waste Matrix Code Group</li> <li>• Waste Material Parameter Weight Estimates per unit of waste</li> <li>• Waste stream name</li> <li>• A description of the waste stream</li> <li>• Applicable EPA hazardous waste codes numbers</li> </ul>	CCP-TP-002 S.4.3 and Att. 2	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<ul style="list-style-type: none"> <li>Applicable TRUCON codes</li> <li>A listing of acceptable knowledge documentation used to identify the waste stream</li> <li>The waste characterization procedures used and the reference and date of the procedure</li> <li>Certification signature of Site Project Manager, name, title, and date signed (Section C3-12b(1))</li> </ul>			Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>56a</b>	Are procedures in place to ensure that hard copy or electronic Characterization Information Summary will include the following: <ul style="list-style-type: none"> <li>Data reconciliation with DQOs</li> <li>Headspace gas summary data listing the identification numbers of samples used in the statistical reduction, the maximum, mean, standard deviation, UCL<sub>90</sub>, RTL, and associated EPA hazardous waste numbers that must be applied to the waste stream.</li> <li>Total metal, VOC, and SVOC analytical results for homogeneous solids and soil/gravel (if applicable).</li> <li>TIC listing and evaluation.</li> </ul>	CCP-TP-002 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001  <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001  <b>(GEN-2)</b> INHSGS100005 ECL10022G	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	<ul style="list-style-type: none"> <li>Radiography and visual examination summary to document that all prohibited items are absent in the waste (if applicable).</li> <li>A complete listing of all container identification numbers used to generate the Waste Stream Profile Form, cross-referenced to each Batch Data Report.</li> <li>Complete AK summary, including stream name and number, point of generation, waste stream volume (current and projected), generation dates, TRUCON codes, Summary Category Group, Waste Matrix Code(s) and Waste Matrix Code Group, other TWBIR information, waste stream description, areas of operation, generating processes, RCRA determinations, radionuclide information, all references used to generate the AK summary, and any other information required by Permit Attachment C4, Section C4-2b.</li> <li>Method for determining Waste Material Parameter Weights per unit of waste.</li> <li>List of any AK Sufficiency Determinations requested for the waste stream.</li> <li>Certification through acceptable knowledge or testing and/or analysis that any waste assigned the hazardous waste number of U134 (hydrofluoric acid) no longer exhibits the characteristic of corrosivity. This is verified by ensuring that no liquid is present in U134 waste.</li> <li>A justification for the selection of radiography and/or VE as an appropriate method of characterizing the waste.</li> </ul> <p>(Section C3-12b(2))</p>			ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>56b</b>	Are procedures in place to assure that ongoing container characterization results are cross referenced to Batch Data Reports? (Section C3-12b)	CCP-TP-002 S.4.4	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 -		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>58</b>	Are procedures in place to ensure that project level reports are compiled into Characterization Information Summaries? (Section C3-12b)	CCP-TP-002 S.4.4	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 - Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 - Transmittal of NMED Waste Stream Profile Form for Waste Stream	Y	



	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<u>SOL</u> CCP-TP-008 Att. 1, 2, and 3 CCP-TP-512 Att. 1, 2, and 3	Y	IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>  <u>SOL</u> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>60</b>	Are procedures in place to ensure that the generator/storage site's site project manager submits to the WIPP facility a summary of the waste stream information and reconciliation with data quality objectives (DQOs) once a waste stream is characterized? (Section C-4a(6))	CCP-TP-002 S.4.6	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 - Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 - Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 - Transmittal of NMED Waste Stream Profile Form for Waste Stream	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>61</b>	Are procedures in place to ensure that the generator/storage site project office completes a WSPF based on the Batch Data Reports? (C3-12b)	CCP-TP-002 S.4.3	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b> INHSGS100005 ECL10022G ECL10022M INHSGS100006 ECL10024G ECL10024M INHSGS100010 ECL10034G ECL10034M INHSGS100008 ECL10031G ECL10031M <b>(GEN-3)</b> S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile		

	WAP Requirement <sup>1</sup> INL/CCP Recertification Audit A-11-14 Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>62</b>	Are procedures in place to ensure that the generator/storage Site Project Manager submits the WSPF to the Permittees for DOE's approval along with the accompanying Characterization Information Summary for that waste stream? (Section C-4a(6))	CCP-TP-002 S.4.6	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
				Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>63</b>	Are procedures in place to ensure that the generator/storage site maintains records related to waste characterization sampling and analysis activities in the testing, sampling or analytical facilities files, or site project files for those facilities located on-site? (Section C-4a(7))	CCP-QP-008 (All) CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>	Y	
<b>64</b>	Are procedures in place to ensure that the appropriate documented training and indoctrination is performed for all individuals and that procedures are documented in site specific QAPjPs and procedures? (Section C3-14)	CCP-QP-002 (All)	Y	List of Qualified Individuals (LOQI) <b>(GEN-20)</b> Training Files <b>(GEN-21)</b>	Y	
<b>65</b>	Are procedures in place to ensure that the generator/storage site requires contract waste analytical facilities to forward testing, sampling and analytical records along	CCP-QP-008 (All)	Y	CH Records Inventory and Disposition Schedule	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	with testing, sampling and analytical batch data reports to the site project office for inclusion in the sites project files? (Section C-4a(7))	CCP-QP-028 (All)		(RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>		
<b>66</b>	Are procedures in place to ensure that the generator/storage site has an appropriate records inventory and disposition schedule (RIDS) or equivalent that was prepared and approved by appropriate site personnel? (Section C-4a(7))	CCP-QP-008 S.3.1.2 CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>	Y	
<b>67</b>	Are procedures in place to ensure that the generator/storage site maintains all records relevant to an enforcement action, regardless of disposition, until they are no longer needed for enforcement action, and then dispositioned per the approved RIDS? (Section C-4a(7))	CCP-QP-008 S.4.15.1[A] NOTE CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>	Y	
<b>68</b>	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Lifetime Records for the life of the waste characterization program plus six years or that the records have been transferred to the WIPP Records Archive facility? Lifetime Records include: <ul style="list-style-type: none"> <li>• Field sampling data forms,</li> <li>• Field and laboratory COC forms,</li> <li>• Test facility and laboratory Batch Data Reports,</li> <li>• Waste Stream Characterization Package,</li> <li>• Sampling plans,</li> <li>• Data reduction, validation, and reporting documentation,</li> <li>• Acceptable knowledge documentation,</li> <li>• WSPF and Characterization Information Summary</li> </ul> (Section C-4a(7), Table C-6)	CCP-QP-008 S.4.10.1[B] 2 <sup>nd</sup> NOTE CCP-QP-028 (All)	Y	CH Records Inventory and Disposition Schedule (RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>	Y	
<b>69</b>	Are procedures in place to ensure that the generator/storage site maintains records that are designated as Non-Permanent Records for ten years from the date of	CCP-QP-008 S.4.10.1[B] 2 <sup>nd</sup>	Y	CH Records Inventory and Disposition Schedule	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
	record generation, and then dispositioned according per the approved RIDs or transferred to the WIPP Records Archive facility? Non-Permanent Records include: <ul style="list-style-type: none"> <li>• Nonconformance documentation,</li> <li>• Variance documentation,</li> <li>• Assessment documentation,</li> <li>• Gas canister tags,</li> <li>• Methods performance documentation,</li> <li>• PDP documentation,</li> <li>• Sampling equipment certifications,</li> <li>• Calculations and related software documentation,</li> <li>• Training/qualification documentation,</li> <li>• QAPjP documentation (all revisions),</li> <li>• Calibration documentation,</li> <li>• Analytical raw data,</li> <li>• Procurement documentation,</li> <li>• QA procedures (all revisions),</li> <li>• Technical implementing procedures (all revisions), and</li> <li>• Audio/video recording (radiography, visual, etc.).</li> </ul> (Section C-4a(7), Table C-6)	NOTE CCP-QP-028 (All)		(RIDS) dated 2/23/2011 RH Records Inventory and Disposition Schedule (RIDS) dated 2/21/2011 <b>(GEN-19)</b>		
<b>70</b>	Are procedures in place to ensure that the generator/storage site has raw data that is identifiable and legible, and provides documentary evidence of quality? (Section C-4a(7))	<b>RTR</b> CCP-TP-053 Att. 1, 2, and 3 CCP-TP-508 Att. 1, 2, and 3	Y	<b>RTR</b> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
		<u>HSG</u> CCP-TP-093 (All) CP-TP-106 (All)	Y	<u>HSG</u> <u>RH BDRs</u> INHSG1103 ( <b>HSG-2</b> )  <u>CH BDRs</u> INHSG1101 ( <b>HSG-1</b> ) INHSG1104 ( <b>HSG-3</b> ) INHSG1105 ( <b>HSG-4</b> )	Y	<u>HSG</u> INL/CCP only performs HSG sampling.
		<u>VE</u> CCP-TP-113 Att. 2 and 3 CCP-TP-006 Att. 1 and 2 CCP-TP-500 Att. 1 and 2	Y	<u>VE</u> (BDRs) IN-ARP-VE-002061 IN-ARP-VE-002140 IN-ARP-VE 002297 IN-ARP-VE-002421 IN-ARP-VE-002294 IN-ARP-VE-002331 IN-ARP-VE-002150 IN-ARP-VE-002084 IN-ARP-VE-002419 IN-ARP-VE-002146 IN-ARP-VE-002427 IN-ARP-VE-002371 RH-INL-VE-110001 <b>(VE-1)</b>	Y	
		<u>SOL</u> CCP-TP-008 Att. 1, 2, and 3 CCP-TP-512 Att. 1, 2, and 3	Y	<u>SOL</u> (BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>71</b>	Are procedures in place to ensure that if the generator/storage site ceases to operate, that all records be transferred before closeout? (Section C-4a(7))	CCP-QP-008 S.4.10.2	Y	N/A	N/A	THIS SITE HAS NOT CEASED OPERATIONS

	WAP Requirement <sup>1</sup> <i>INL/CCP Recertification Audit A-11-14</i> Table C6-1 Waste Analysis Plan (WAP) Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why?)	Item Reviewed	Adequate? Y/N	
<b>SHIPMENT</b>						
<b>72</b>	<p>Are procedures in place to ensure that the generator/storage site accurately completes an EPA Hazardous Waste Manifest prior to shipping the waste to WIPP that contains the following information:</p> <ul style="list-style-type: none"> <li>• Generator/storage site name and EPA ID</li> <li>• Generator/storage site contact name and phone number</li> <li>• Quantity of waste</li> <li>• List of up to six state and/or federal hazardous waste numbers in each line item</li> <li>• Listing of all container IDS</li> <li>• Signature of authorized generator representative</li> </ul> <p>(Section C-5b)</p>	CCP-TP-033 (All) CCP-TP-507 (All)	Y	Shipping Packages and Uniform Hazardous Waste Manifests for CH Shipment # IN110209 and RH Shipment # INR11022. <b>(GEN-22)</b>	Y	
<b>73</b>	<p>Are procedures in place to ensure that the generator/storage site accurately completes the following container specific information:</p> <ul style="list-style-type: none"> <li>• Waste stream identification number</li> <li>• List of hazardous waste numbers per container</li> <li>• Certification data</li> <li>• Shipping data</li> </ul> <p>(Section C-5b)</p>	CCP-TP-030 (All) CCP-TP-033 (All) CCP-TP-507 (All) CCP-TP-530 (All)	Y	Shipping Packages and Uniform Hazardous Waste Manifests for CH Shipment # IN110209 and RH Shipment # INR11022. <b>(GEN-22)</b>	Y	

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

**Revised**  
**Table C6-2 Solids and Soils/Gravel Sampling Checklist**  
**INL/CCP Recertification Audit A-11-14**  
**June 7 – 9, 2011**

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**Solids and Soils/Gravel Sampling Checklist**

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>GENERAL SOLIDS SAMPLING REQUIREMENTS</b>						
<u>75</u>	Are procedures documented that adequately ensure that when a Determination Request has not been approved, sampling and analysis of newly generated homogeneous solid and soil/gravel waste streams shall be conducted in accordance with the requirements specified in Attachment C1, Section C1-2? (Section C-3d(1)(a))	CCP-TP-008 (All) CCP-TP-512 (All)	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<u>10</u>	Are procedures in place to ensure that the number of newly generated soils/gravel waste containers to be randomly sampled will be determined using the procedure specified in Section C2-1, wherein a statistically selected portion of the waste will be sampled? (Section C-3d(1)(a))	CCP-TP-162 (All)	Y	CP:08:00303 – Solids Random sample Selection Memorandum for the First Lot of Containers of Waste Stream ID-RTC-S3000 Inorganic Sludges Characterized by the Central Characterization Project at the Idaho National Laboratory (Remote Handled). CP:10:01457 – Solids Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Solidified Liquids and Sludges Waste, Waste Stream LL-W019-S3900, being Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.1 CP:10:01760 – Sample Selection Container Replacement Memorandum ID-LL-W019-S3900 <b>(GEN-6)</b>	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
77	<p>Are procedures in place to ensure that the following sample collection requirements for retrievably stored and newly generated waste streams are met:</p> <ul style="list-style-type: none"> <li>The number of random samples collected for characterization of retrievably homogeneous solid and soil/gravel stored waste is performed by developing preliminary mean and variance estimates for each analyte to define the number of required random samples; and that the sample selection process is adequately documented.</li> <li>A minimum of 5 waste containers in a retrievably stored waste streams are sampled to establish the preliminary estimate for the number of samples.</li> <li>Based on the number of samples required by the preliminary estimate, the subsequent sample means and deviations for each analyte are evaluated against the regulatory threshold for each constituent to determine if additional samples shall be collected.</li> <li>Samples (the number of which is statistically determined) are collected to verify that a TRU mixed waste is below the regulatory threshold, where the regulatory threshold is the toxicity limit for toxicity characteristics and the PRQL for listed waste constituents.</li> <li>Samples from preliminary estimates counted as required samples were randomly selected and were collected, analyzed, and validated using representative methods</li> </ul> <p>(Section C2-1a)</p>	CCP-TP-003 S.4.1 CCP-TP-162 (All)	Y	S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory	Y	

	WAP Requirement <i>INL/CCP Audit A-11-14</i> Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b> CP:08:00303 – Solids Random sample Selection Memorandum for the First Lot of Containers of Waste Stream ID-RTC-S3000 Inorganic Sludges Characterized by the Central Characterization Project at the Idaho National Laboratory (Remote Handled). CP:10:01457 – Solids Random Sample Selection Memorandum for the First Lot of Containers of Lawrence Livermore National Laboratory Solidified Liquids and Sludges Waste, Waste Stream LL-W019-S3900, being		

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				Characterized by the Central Characterization Project at the Idaho National Laboratory Site, Rev.1  CP:10:01760 – Sample Selection Container Replacement Memorandum ID-LL-W019-S3900  <b>(GEN-6)</b>		
<b>80</b>	Are procedures in place that allow toxicity characteristic contaminants associated with F-numbers for a waste stream to be omitted from sampling requirements? (Section C2-1a)	CCP-TP-003 S.4.1, 2 <sup>nd</sup> Note	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01202 –	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.  CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory.  <b>(GEN-5)</b>		
<b>SOLIDS SAMPLING PROCEDURES</b>						
<b>81</b>	Do procedures ensure that samples for retrievably stored waste are collected using appropriate coring tools or other EPA approved methods, and that newly generated wastes that are sampled from a process as it is generated are sampled using EPA approved methods, including scoops and ladles, that are capable of collecting a representative sample? (Section C1-2a)	CCP-TP-008 (All) CCP-TP-512 (All)	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>82</b>	Do site specific procedures, QAPjPs, and/or SOPs indicate that rotational coring tools are available for the collection of cores and non-rotational coring tools available for collection of cores in relatively soft media? The method used shall be appropriate to retrieve the maximum core amount. The coring tools will include the following features: <ul style="list-style-type: none"> <li>Removable tube liners constructed of rigid materials unlikely to affect the composition and/or concentration of target analytes in the sample core (Teflon®) and sufficiently transparent to allow visual examination of the core. The liner outer diameters are between 1-2 inches and the liner wall thickness is no greater than 1/16 inch. The liner shall fit flush with the coring tool inner wall and be of sufficient length to hold a core representative of the waste along the entire depth of the waste.</li> <li>Sleeves composed of polycarbonate, Teflon, or glass for most samples and brass or stainless steel for non-metal samples</li> <li>Liner end caps shall fit tightly around the ends of the liner and shall be composed of materials unlikely to affect the composition and/or concentration of analytes in the core (Teflon®)</li> <li>Spring retainers shall be used when the physical properties of the</li> </ul>	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	<p>sampling media may cause the sample to fall out of the liner. The retainer shall be composed of inert materials and the inner diameter shall not be less than the inner diameter of the liner</p> <ul style="list-style-type: none"> <li>• Coring tools may have an air lock mechanism. The air lock shall also close when the core is removed from the waste container</li> <li>• Core extruders shall be used to extrude the liner if the liner does not slide freely</li> <li>• Coring tools shall be of sufficient length to hold the liner and shall be constructed to allow placement of the liner leading edge as close as possible to the coring tools leading edge</li> </ul>					
	<ul style="list-style-type: none"> <li>• All surfaces of the coring tool that have the potential to contact the sample core or sample media shall be cleaned prior to use</li> <li>• Rotational coring tools shall have a mechanism to minimize inner liner rotation and shall be designed to minimize frictional heat transfer to the sample core</li> <li>• The leading edge of the coring tool is may be sharpened and tapered to a diameter equivalent or slightly smaller than the inner diameter of the liner.</li> <li>• Non-Rotational coring tools shall be designed to minimize the kerf width (½ the difference between the outer diameter of the tool and the tools inlet inner diameter)</li> </ul> <p>(Section C1-2a(1))</p>	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>83</b>	Does the site adequately document that the liner material and retainers are not likely to contain any analytes of concern? (Section C1-2a(1))	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>84</b>	Are procedures in place to ensure that equipment blanks are collected and evaluated to verify that liner material, retainers, or other sampling equipment in contact with the sample do not contain analytes of concern? (Section C1-2b(2))	CCP-TP-008 S.2.6.2 CCP-TP-512 S.3.4	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>SAMPLE COLLECTION</b>						
<b>85</b>	Are procedures in place to ensure that sampling is completed in a timely manner, within 60 minutes of core collection, or that the core shall remain in the capped liner, or the coring tool shall remain in the waste container with the air lock mechanism attached? (Section C1-2a(2))	CCP-TP-008 S.2.3.3 CCP-TP-512 S.4.2.18	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>86</b>	Are procedures in place to ensure that VOC samples are sampled prior to extruding the core from the liner and that the sample locations are documented? These samples may be collected by choosing a single sample from the representative subsection of the core, or three equal length VOC sample locations on the core are selected randomly along the long axis of the core to form a single 15-gram composite sample. Smaller sample sizes may be used if method PRQL requirements are met for all analytes. (Section C1-2a(2))	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>87</b>	Are procedures documented to ensure that a VOC sample is collected using a metal coring cylinder or equivalent equipment as described in SW-846 and that the sample is immediately extruded into a 40 mL VOA vial (or other containers specified in appropriate SW-846 methods)? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>88</b>	Are procedures in place to ensure that SVOC and Metals sample location(s) on the core are selected randomly along the long axis of the core and that the sample locations are documented, or that samples are collected at the same locations as VOC samples? Samples may be collected by splitting or compositing the representative subsection of the core. The representative subsections are chosen by randomly selecting a location along the portion of the core from which the sample was taken? (Section C1-2a(2))	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>89</b>	Are procedures in place to ensure that the SVOC and Metals samples are collected using equipment constructed of materials unlikely to affect the composition or concentrations of the samples? (Section C1-2a(2))	CCP-TP-008 S.2.6 CCP-TP-512 S.3.4	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>90</b>	Are procedures in place to ensure that newly generated waste samples collected by means other than coring are collected as soon as possible and that spatial and temporal homogeneity is evaluated to determine if composite or grab samples are appropriate? (Section C1-2a(2))	CCP-TP-008 S.4.2	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>91</b>	Are procedures in place to ensure sample volumes, preservatives, containers, and holding times meet the following specifications: Minimum sample quantity VOC 15 grams SVOC 50 grams Metals 10 grams (Quantity may be increased or decreased according to the requirements of the analytical laboratory, as long as the QAOs are met.) Preservative VOC Cool to 4C SVOC Cool to 4C Metals Cool to 4C Sample Container VOC 40 mL VOA glass vial (or other appropriate containers) cap SVOC glass jar with Teflon lined cap Metals polyethylene or polypropylene bottle Holding Time from Date of Collection VOC 14 days prep/40 days analyze SVOC 14 days prep/40 days analyze Metals 180 days/ 28 days Hg (Table C1-4)	CCP-TP-008 S.4.2 and S.2.6 CCP-TP-512 S.4.2.10	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>QUALITY CONTROL SAMPLE COLLECTION</b>						
<b>92</b>	Are procedures in place to ensure that sampling precision will be determined through the collection of co-located core field duplicate samples for core samples and through the collection of co-located samples for samples collected using alternate methods at the frequency of once per 20 sample batch collected over 14 days or once per week, whichever is more frequent? (Section C1-2b(1))	CCP-TP-008 S.2.3.1 CCP-TP-512 S.2.3.1	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>93</b>	Are procedures in place to ensure that co-located cores are collected side by side as close as feasible to each other, that the cores are collected and handled in the same manner? (Section C1-2b(1))	CCP-TP-008 S.2.3.2 CCP-TP-512 S.2.3.1	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>94</b>	Are procedures in place to ensure that an additional sampling location is found or new co-located cores are collected if the visual examination of the original co-located cores detects inconsistency in the sample color, texture, or waste type? (Section C1-2b(1))	CCP-TP-008 S.2.3.2 CCP-TP-512 S.2.3.1	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>95</b>	Are procedures in place to ensure that all surfaces of sampling tools that have the potential to come into contact with the sample, including tube liners, endcaps, spring retainers, extruders, coring tool surfaces, or any other sampling equipment, are either thoroughly decontaminated or disposed of after each sampling event? (Sections C1-2b(2), C1-2b(3))	CCP-TP-008 S.2.6.2 CCP-TP-512 S.4.1.3 and S.4.1.4	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>96</b>	Are procedures in place to ensure that equipment blanks are collected from randomly selected fully assembled coring tools or randomly selected liners (if they are cleaned separately) and from randomly selected sampling equipment (e.g. VOC subsampler, spoons, bowls) at a frequency of once per equipment cleaning batch and that the sample is collected prior to first use? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Disposable sampling equipment Used and purchased certified clean
<b>97</b>	Are procedures in place to ensure that equipment blanks will be collected in the area where sampling equipment coring tools are cleaned, prior to covering the coring tools with protective wrapping and storage? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Disposable sampling equipment Used and purchased certified clean
<b>99</b>	Are procedures in place to ensure that miscellaneous sampling tool equipment blanks will be collected by pouring deionized or HPLC water over the surface of the equipment and into a clean sample container appropriate for the requested analysis? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Disposable sampling equipment Used and purchased certified clean
<b>100</b>	Are procedures in place to ensure that equipment blanks are analyzed for VOC, SVOC, and Metals and that the entire equipment batch will be re-cleaned and re-sampled if any analytes are detected at levels greater than 3 times the MDL or PRDL? (Section C1-2b(2))	N/A	N/A	N/A	N/A	Disposable sampling equipment Used and purchased certified clean

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>101</b>	Are procedures and processes in place to ensure that equipment blanks are traceable to a specific equipment cleaning batch and that the equipment cleaning batch is traceable to specific identified sampling equipment? Are sampling equipment or coring tools labeled with unique identification numbers that are referenced in field records? (Section C1-2b(3))	N/A	N/A	N/A	N/A	Disposable sampling equipment Used and purchased certified clean
<b>102</b>	Are procedures in place to ensure that disposable sampling equipment is certified as clean prior to use? (Section C1-2b(2))	CCP-TP-008 S.2.6.2 CCP-TP-512 S.4.1.4 and S.2.7.1	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>SAMPLE EQUIPMENT TESTING, INSPECTION AND MAINTENANCE</b>						
<b>103</b>	Are procedures in place to ensure that all sampling and coring tools are tested prior to use in accordance with manufacturers specification to ensure that the air-lock mechanism and rotation mechanism are in working order? (Section C1-2c)	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>104</b>	Are procedures in place to ensure that malfunctioning sampling and coring tools are repaired or replaced prior to use? (Section C1-2c)	CCP-TP-008 S.4.1.3 CCP-TP-512 S.4.1.6	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
<b>105</b>	Are procedures in place to ensure that all equipment is cleaned, sealed inside a protective wrapping and stored in a clean area? (Section C1-2c)	CCP-TP-008 S.4.1.1 CCP-TP-512 S.3.4	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 (SOL-1)	Y	
	Are procedures in place to ensure that an adequate spare part inventory is available? (Section C1-2c)	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>107</b>	Are procedures in place to ensure that all equipment maintenance and repair is documented in field records and that field record logbooks are available to document equipment maintenance and repair activities? (Section C1-2c)	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>108</b>	<p>Are procedures in place to ensure that inspection of equipment and work area cleanliness will encompass the following:</p> <ul style="list-style-type: none"> <li>Sample collection equipment in the immediate area of sample collection shall be inspected daily for cleanliness and that any visible contamination that has a potential to contaminate a waste sample shall be thoroughly cleaned upon discovery</li> <li>The waste coring and sampling work areas shall be maintained in clean condition</li> <li>Expendable equipment shall be visually inspected for cleanliness prior to use and properly discarded after use</li> <li>Protective wrapping on coring tools and other sampling equipment are visually inspected prior to unwrapping. Coring tools or other equipment with torn protective wrappers or with visible contamination are returned to be cleaned or properly discarded prior to use.</li> <li>All sampling equipment shall be visually inspected prior to use to determine if protective wrapping is torn or if equipment is contaminated after unwrapping. Equipment with torn wrapping or signs of contamination will be returned for cleaning or properly discarded.</li> <li>Clean sampling and coring equipment is segregated from all equipment that has not been decontaminated.</li> </ul> <p>(Section C1-2c)</p>	<p>CCP-TP-008 S.4.1.1, S.4.1.2, and S.4.1.3 CCP-TP-512 S.4.1</p>	Y	<p>(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b></p>	Y	
<b>109</b>	<p>Are procedures documented to ensure that scales used for weighing sub-samples are calibrated as necessary to maintain its operation within manufacturer's specification, that the calibration is documented, that calibration is verified using NIST traceable weights upon each day of use, and that all calibration verification is documented in field records?</p> <p>(Section C1-2d)</p>	<p>CCP-TP-512 S.4.1.2</p>	Y	<p>(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b></p>	Y	
<b>SAMPLE HANDLING AND CUSTODY</b>						
<b>111</b>	<p>Do formats for field logs and custody records specify documentation of the following information:</p> <ul style="list-style-type: none"> <li>Signature of individual initiating custody control, along with the date and time</li> <li>Documentation of sample numbers for each sample under custody. Sample numbers will be referenced to a specific sampling event description that will identify the sampler(s) through signature, date and time of sample collection, type/number containers for each sample, sample matrix, preservatives (if applicable), requested methods of analysis, place/address of sample collection and the waste container number</li> <li>For off-site shipping, method of shipping transfer, responsible shipping organization or corporation, and associated air bill or lading number.</li> </ul>	<p>CCP-TP-008 Att. 2 CCP-TP-512 S.4.2.13 and Att. 2</p>	Y	<p>(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b></p>	Y	<p>Samples are not shipped off site.</p>
<b>111a</b>	<ul style="list-style-type: none"> <li>Signatures of custodians relinquishing and receiving custody of</li> </ul>	<p>CCP-TP-008</p>	Y	<p>(BDRs)</p>	Y	

	WAP Requirement <i>INL/CCP Audit A-11-14</i> Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	<ul style="list-style-type: none"> <li>samples including date and time of transfer.</li> <li>Description of final sample container disposition, along with signature of individual removing sample container from custody</li> <li>Comments section</li> <li>Documentation of discrepancies, breakage or tampering</li> </ul> (Section C1-5)	S.4.3 and Att.2 CCP-TP-512 S.4.3, S.4.3.2, and Att. 2		S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>		
<b>112</b>	Are procedures in place to ensure that samples and sampling equipment are identified with unique identification numbers? (Section C1-5)	CCP-TP-008 S.2.6.1 CCP-TP-512 S.4.1.10	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>113</b>	Do sample tags or labels contain the following information: <ul style="list-style-type: none"> <li>Sample ID number</li> <li>Sampler initials and organization</li> <li>Ambient temperature and pressure (for gas samples only)</li> <li>Sample description</li> <li>Requested analysis</li> <li>Date and time of collection</li> <li>QC designation (if applicable)</li> </ul> (Section C1-5)	CCP-TP-008 S.2.6.1, S.4.2.13, and S.4.2.17 CCP-TP-512 S.4.1.10	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>114</b>	Are procedures in place to ensure waste containers and samples are sealed with intact custody seals and that one or more of the following custody conditions are met: <ul style="list-style-type: none"> <li>It is in the possession of an authorized individual</li> <li>It is in the view of an authorized individual, after being in the possession of that individual</li> <li>It was in the possession of an authorized individual and access to the sample was controlled by locking or placement of signed custody seals that prevent undetected access</li> <li>It is in a designated secure area, such as a controlled access location with complete documentation of personnel access or a radiological containment area (hot cell or glove box)</li> </ul> (Section C1-5)	CCP-TP-008 S.2.5.2 CCP-TP-512 S.2.3.4	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>117</b>	Are procedures in place to ensure that sample custody is maintained until the sample is released by the SPM or is expended? (Section C1-5)	CCP-TP-180 S.4.10	Y	Electronic Mail Correspondence for Disposal of ARP Samples. <b>(GEN-9)</b>	Y	
<b>118</b>	Are procedures in place to ensure that samples in glass jars are wrapped in plastic to prevent breakage and placed in appropriate containers, such as coolers, for shipment? (Section C1-6)	CCP-TP-008 S.4.2.30 CCP-TP-512 S.4.3	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>119</b>	Are procedures in place to ensure that adequate cold packs are included in the sample shipping container to ensure that all temperature requirements are met? (Section C1-6)	CCP-TP-008 S.2.5.1 and S.4.2.30 CCP-TP-512 S.4.2.22	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>120</b>	Are procedures in place to ensure that sample COC forms are secured for shipment to the inside of the sealed and locked shipping container and that samples and shipping containers are affixed with tamper proof seals? (Section C1-6)	CCP-TP-008 S.2.5.3 and S.4.4.11 CCP-TP-512 S.4.3.1	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>121</b>	Are procedures in place to ensure that appropriate blank samples are included with each shipment container containing VOC samples? (Section C1-6)	CCP-TP-008 S.4.2.10[D] and S.4.2.11 [F] CCP-TP-512 S.2.3.6	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>122</b>	Are procedures in place to ensure that a custody seal or device is securely affixed across the lid and body of each sample and shipment container, and is traceable to the individual who affixed the seal or device? (Section C1-6)	CCP-TP-008 S.4.2.18 and S.4.4.13 CCP-TP-512 S.4.2.20 NOTE	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>LABORATORY OPERATIONS</b>						
	Are procedures in place to ensure that only laboratories that are qualified through participation in the Performance Demonstration Program are eligible to analyze waste samples? (Section C-3a(3))	N/A	N/A	N/A	N/A	The INL Labs were evaluated by CBFO Audit A-11-13.
<b>124</b>	Are procedures available from all participating laboratories that adequately document that custody is maintained until the sample is released by the site project manager or until the sample is expended? (Section C1-5)	CCP-TP-180 S.4.10	Y	S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				ALD10041S ALD10041N ALD10041M <b>(GEN-4)</b> Electronic Mail Correspondence for Disposal of ARP Samples. <b>(GEN-9)</b>		
<b>VOLATILE AND SEMI-VOLATILE ANALYSIS OF CORE SAMPLES</b>						
<b>125</b>	<p>Are procedures documented to ensure that all VOC and SVOC analyses are evaluated using the following criteria:</p> <ul style="list-style-type: none"> <li>GC/MS Tunes, Initial Calibrations and Continuing Calibration will be performed and evaluated using criteria in Table C3-5 (VOCs) or Table C3-7 (SVOCs) and SW-846 methods</li> <li>Precision is shall be assessed through analyzing of laboratory duplicates or matrix spike duplicates, LCS replicates, and PDP blind-audit samples in comparison to Table C3-4 (VOCs) and Table C3-6 (SVOCs).</li> <li>Accuracy as %R is shall be assessed through evaluation of LCS, Matrix spikes, PDP blind-audit samples, and surrogate compounds in comparison to criteria in Table C3-4 and Table C3-5 (VOCs) and Table C3-6 and Table C3-7 (SVOCs) or the SW-846 method.</li> <li>Laboratory completeness shall be expressed as the number of samples analyzed with valid results as a percent of the total number of samples collected.</li> <li>Comparability is assessed through use of standardized SW-846 methods sample preparation and methods that meet the QAO requirements in Tables C3-4 and C3-5 (VOCs) and Tables C3-6 and C3-7(SVOCs), traceable standards, and by requiring participation in the PDP.</li> <li>Representativeness is assured through the use of unbiased sample collection.</li> <li>Results and method detection limits are expressed in Mg/Kg.</li> <li>All method detection limits and program required quantitation limits shall be less than or equal to the limits listed in Table C3-4 or Table C3-6 and the detection limit study procedures shall be documented in SOPs.</li> </ul> <p>(Section C3-6 and C3-7)</p>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.
<b>126</b>	<p>Are procedures documented to ensure that Tentatively Identified Compounds shall be added to the target analyte list if detected in a given waste stream if they are reported in 25% of the waste containers sampled from a given waste stream, and if they appear in the 20.4.1.200 NMAC (incorporating 40 CFR 261) Appendix VIII list?</p>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.

	WAP Requirement <i>INL/CCP Audit A-11-14</i> Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
	(Section C-3a(1))					
<b>126a</b>	<p>Are procedures documented to ensure that the following criteria are met with regard to the recognition and reporting of TICS for GC/MS Methods for homogeneous solids and soils and gravels in accordance with SW-846 criteria:</p> <ul style="list-style-type: none"> <li>Relative intensities of major ions in the reference spectrum (ions greater than 10% of the most abundant ion) should be present in the sample spectrum.</li> <li>The relative intensities of the major ions should agree within <math>\pm 20</math> percent.</li> <li>Molecular ions present in the reference spectrum should be present in the sample spectrum.</li> <li>Ions present in the sample spectrum but not in the reference spectrum should be reviewed for possible background contamination or presence of coeluting compounds.</li> <li>Ions present in the reference spectrum but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting peaks.</li> <li>The reference spectra used for identifying TICs shall include, at minimum, all of the available spectra for compounds that appear in the 20.4.1.200 NMAC (incorporating 40 CFR Part 261) Appendix VIII list. The reference spectra may be limited to VOCs when analyzing headspace gas samples.</li> <li>TICs for headspace gas analyses that are performed through FTIR analyses shall be identified in accordance with the specifications of SW-846 Method 8410.</li> </ul> <p>(Section C3-1)</p>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.

	WAP Requirement <i>INL/CCP Audit A-11-14</i> Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>126b</b>	<p>TICs shall be reported as part of the analytical batch data reports for GC/MS Methods in accordance with the following minimum criteria:</p> <ul style="list-style-type: none"> <li>a TIC in an individual container headspace gas or solids sample shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 10% of the area of the nearest internal standard.</li> <li>a TIC in a composited headspace gas sample that contains 2 to 5 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 2% of the area of the nearest internal standard.</li> <li>a TIC in a composited headspace gas sample that contains 6 to 10 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 1% of the area of the nearest internal standard.</li> <li>a TIC in a composited headspace gas sample that contains 11 to 20 individual container samples shall be reported in the analytical batch data report if the TIC meets the SW-846 identification criteria listed above and is present with a minimum of 0.5% of the area of the nearest internal standard.</li> </ul> <p>(Section C3-1)</p>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>METALS ANALYSIS OF CORE SAMPLES</b>						
<b>127</b>	<p>Are procedures in place to ensure that all Metals analyses are evaluated using the following criteria:</p> <ul style="list-style-type: none"> <li>Precision shall be assessed by analyzing of laboratory sample duplicates or laboratory matrix spike duplicates, LCS replicates, and PDP blind audit samples in comparison to Table C3-8</li> <li>Accuracy is shall be assessed through analysis of laboratory , matrix spikes, PDP blind-audit samples, serial dilutions, interference check samples, and laboratory control samples in comparison to criteria in Tables C3-8 and C3-9</li> <li>Instrument detection limits are expressed in ug/L and results are listed in Mg/Kg.</li> <li>All instrument detection limits and program required detection limits shall be less than the limits listed in Table C3-8 and the detection limit study procedures shall be documented in laboratory SOPs. The instrument detection limits shall be less than the associated PRDL for each analyte <i>(This requirement is not mandatory if the sample concentrations are greater than 5 times the instrument detection limit (IDL) for a method)</i></li> <li>Instrument detection limits shall be determined semiannually using procedures documented in laboratory SOPs</li> </ul>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.
<b>127a</b>	<ul style="list-style-type: none"> <li>Laboratory completeness shall be expressed as the number of samples analyzed with valid results as a percent of the total number of samples submitted for analysis.</li> <li>Comparability is assessed through use of standardized SW-846 sample preparation and methods that meet the QAO requirements in Tables C3-8 and C3-9, demonstrating successful participation in the PDP and use of traceable standards.</li> <li>Representativeness is assured through the use of unbiased sample collection and preparation of samples using unbiased methods.</li> <li>Results PRQLs are expressed in Mg/Kg wet weight</li> </ul> <p>(Section C3-8)</p>	N/A	N/A	N/A	N/A	Laboratory analyses were evaluated during CBFO Audit A-11-13.

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
<b>QUALITY ASSURANCE OBJECTIVES</b>						
<b>128</b>	Are procedures in place to ensure that the sample completeness rate is expressed as the number of valid samples collected as a percentage of the total samples collected for each waste stream? The rate must be greater than 90 percent for all compounds in a waste stream. (Section C3-3)	CCP-PO-001, S. C3-3 CCP-TP-002, Att. 1	Y	S3900-LOT-04-05 ALD10020V ALD10020S ALD10020N ALD10020M S4200-LOT-04-05 ALD10025V ALD10025S ALD10025N ALD10025M S4200-LOT-04-01 ALD10041V ALD10041S ALD10041N ALD10041M  <b>(GEN-4)</b> CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.  CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>129</b>	Are procedures in place to ensure that sampling operations are comparable through the use of standardized procedures, sampling equipment, and measurement unit's participation in the PDP? (Section C3-3)	CCP-TP-008 (All) CCP-TP-512 (All)	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	PDP Participation being verified in LAB audit A-11-13.
<b>130</b>	Are procedures in place to ensure that sampling precision shall be determined through the collection of field duplicates at a rate of 1 per sampling batch (up to 20 samples) or 1 per week, whichever is more frequent? (Section C3-3)	CCP-TP-008 S.2.3.1 CCP-TP-512 S.2.3.1 & 2.3.2	Y	(BDRs) S3900-LOT-04-05 S4200-LOT-04-01 S4200-LOT-04-04 <b>(SOL-1)</b>	Y	
<b>131</b>	Are procedures in place to ensure that the variance measured between co-located core samples is compared to the variance within the waste stream using the F-test? (Section C3-3)	CCP-TP-001, S. 4.4	Y	CP:10:01707 – Colocated Sample Relative Percent Difference and F-Test Report for Idaho National Laboratory Solids Sampling Batch S4200-	Y	

	WAP Requirement INL/CCP Audit A-11-14 Table C6-2 Solids and Soils/Gravel Sampling Checklist <sup>1</sup>	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N(Why?)	Item Reviewed	Adequate? Y/N	
				LOT-04-01. CP:10:01541 - Colocated Sample Relative Percent Difference and F-Test Report for Idaho National Laboratory Solids Sampling Batch S3900-LOT-04-05. CP:10:01560 - Colocated Sample Relative Percent Difference and F-Test Report for Idaho National Laboratory Solids Sampling Batch S4200-LOT-04-05. <b>(GEN-10)</b>		
<b>132</b>	Are procedures in place to ensure that sampling accuracy as a result of equipment blank evaluation is determined through the collection of equipment blanks at a frequency of once per equipment cleaning batch? (Section C3-3)	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring
<b>133</b>	Are procedures in place to ensure that the representativeness of samples is demonstrated through the following requirements: <ul style="list-style-type: none"> <li>• Use of coring tools and sampling equipment that are clean prior to use</li> <li>• The entire depth of the waste minus a documented safety factor shall be cored and the core collected shall have a core length greater than or equal to 50 percent</li> <li>• The core recovery is calculated as the length of the core collected over the depth of the waste in the container</li> <li>• Coring operations and tools should be designed to minimize alteration of the in-place waste characteristics and the minimum waste disturbance shall be verified by visually examining the core and documenting the observation in field logbooks</li> </ul> (Note: if core recovery is less than 50 percent, a second core shall be randomly selected. The core with the best recovery shall be used for sample collection) (Section C3-3)	N/A	N/A	N/A	N/A	Sampling procedures are for grab sampling not coring

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.

**Revised**  
**Table C6-5 Radiography Checklist**  
**INL/CCP Recertification Audit A-11-14**  
**June 7 – 9, 2011**

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**Radiography Checklist**

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
<b>QUALITY ASSURANCE OBJECTIVES</b>						
<b>233</b>	<p>Are process procedures in place to meet the following Quality Assurance Objectives?</p> <p><u>Precision</u></p> <ul style="list-style-type: none"> <li>Does the site describe in its QAPJP and SOP(s) activities to reconcile any discrepancies between two radiography operators with regard to identification of the waste matrix code, liquids in excess of TSDF-WAC limits, and compressed gases through independent replicate scans and independent observations? And additionally, activities to verify the precision of radiography prior to use by tuning precisely enough to demonstrate compliance with QAOs through viewing an image test pattern?</li> </ul> <p><u>Accuracy</u></p> <ul style="list-style-type: none"> <li>Was accuracy obtained by using a target to tune the image for maximum sharpness and by requiring operators to successfully identify 100 percent of the required items in a training container during their initial qualification and subsequent requalification</li> </ul>	CCP-TP-053 S.4.3.4, S.4.5, and S.4.6  CCP-TP-508 S.4.2.1, S.4.4, and S.4.5  CCP-QP-002 Att. 4	Y	<p><b>RTR</b> BDRs:</p> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>233a</b>	<p><u>Completeness</u></p> <ul style="list-style-type: none"> <li>Was an audio/videotape (or equivalent media) of the radiography examination and a radiography data form validated according to the requirements in Section C3-10?</li> <li>Was an audio/videotape (or equivalent media) of the radiography examination and a radiography data form obtained for 100% of the waste containers subject to radiography?</li> </ul> <p><u>Comparability</u></p> <ul style="list-style-type: none"> <li>Is comparability ensured through the use of standardized radiography procedures and operator training and qualifications</li> </ul> <p>(Section C3-4a)</p>	CCP-TP-053 S.2.2, S.4.3, Att. 2 and 3  CCP-TP-508 S.2.2, S.4.2, Att. 2 and 3  CCP-QP-002 S.4.3.2	Y	<p><b>RTR</b> BDRs:</p> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
				Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six		

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				RTR Operators <b>(RTR-2)</b>		
<b>CHARACTERIZATION AND SYSTEM REQUIREMENTS</b>						
4	Does the site have procedures to ensure that radiography is used to identify and verify waste container contents and verify the waste's physical form? Does the site have procedures to identify prohibited materials? (Section C-3c; C1-3)	CCP-TP-053 S.1.0, Table 1, and Att. 2 CCP-TP-508 S.1.0, Table 1, and Att. 2	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
235	Do procedures or other supporting documentation ensure that <u>every</u> waste container will undergo radiography and/or VE as necessary to augment AK? (Section C-3c)	CCP-PO-001 S.C-3c CCP-TP-001 S.3.1	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b>	Y	



	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				<p>Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1.</p> <p>CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000 Hot Cell Debris Waste, with CIS Lot 1.</p> <p>CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National</p>		

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>238</b>	Are there procedures to ensure the data is obtained from an audio/video recorded scan provided by trained radiography operators? (Section C1-3)	CCP-TP-053 S.2.2, Att. 2 and 3 CCP-TP-508 S.2.2, Att. 2 and 3	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>  Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>239</b>	Were all activities required to achieve the radiography objective described in site Quality Assurance Project Plans (QAPjPs) and Standard Operating Procedures (SOPs)? (Section C3-4)	CCP-TP-053 (All) CCP-TP-508 (All)	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				INLRHRTR11001 <b>(RTR-1)</b>		
<b>240</b>	<p>Did the radiography system consist of the following equipment or equivalent:</p> <ul style="list-style-type: none"> <li>• an X-ray producing device?</li> <li>• an imaging system?</li> <li>• an enclosure for radiation protection?</li> <li>• a waste container handling system?</li> <li>• an audio/video recording system or equivalent?</li> <li>• an operator control and data acquisition station?</li> </ul> <p>(Section C1-3)</p>	CCP-TP-053 S.2.3 and S.4.2 – S.4.4 CCP-TP-508 S.4.1 – S.4.3 CCP-TP-119 (All) CCP-TP-080 (All)	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	The reference components were verified during the observation of characterization scans for CH container number 10051272 and RH container number FCO105B.
<b>241</b>	<p>Did the X-ray producing device have controls which allow the operator to vary voltage, thereby controlling image quality? Was it possible to vary the voltage, typically between 150-400 kV, to provide an optimum degree of penetration through the waste? Was high-density material examined with the X-ray device set on the maximum voltage? Was low-density material examined at lower voltage settings to improve contrast and image definition?</p> <p>(Section C1-3)</p>	CCP-TP-053 S.4.4.1 [C] CCP-TP-508 S.4.3.2 [D]	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
<b>242</b>	Do procedures or other documentation ensure that an audio/videotape or equivalent is made of the waste container scan and maintained as a non-permanent record? (Section C1-3)	CCP-TP-053 S.5.1.2, Att. 1, 2, and 3 CCP-TP-508 S.5.1.2, Att. 1, 2, and 3	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>DATA COMPILATION</b>						
<b>243</b>	Are there procedures to ensure that a radiography data form is used to document the waste matrix code, ensure the waste container contains no ignitable, corrosive or reactive waste by documenting the absence of liquid in excess of TSDF-WAC limits or compressed gases, and verify that the physical form of the waste is consistent with the waste stream description documented on the WSPF? (Section C1-3)	CCP-TP-053 Att. 2 and 3 CCP-TP-508 Att. 2 and 3	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>245</b>	If radiography indicates that the waste does not match the waste stream description, do procedures ensure that the appropriate corrective action was taken? (Section C-3c)	CCP-TP-053 S.4.4.2 [H.2] CCP-TP-508 S.4.3.3 [E.1]	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>		
<b>246</b>	If a discrepancy is noted, do procedures ensure that the proper waste stream assignment is determined, the correct hazardous waste numbers assigned, and the resolution documented? (Section C-3c)	CCP-PO-001 S.C-3c CCP-TP-005 S.4.8	Y	CP:11:01009 - Waste Stream Profile Form, ID-LL-M001-S5400, Contact Handled Heterogeneous Debris from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01102 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-LL-T004-S3141, Salt Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01092 – Transmittal of Idaho National Laboratory Waste Stream #ID-LL-W019-S3900, S3000 Homogeneous Solids, Solidified Liquids and Sludges Waste from Lawrence Livermore National Laboratory Research and Development Laboratory with CIS Lot 1. CP:11:01202 – Transmittal of Idaho National Laboratory Waste Stream Profile Form for Waste Stream #ID-GEVNC-02, S5000	Y	

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
				Hot Cell Debris Waste, with CIS Lot 1. CP:11:01371 – Transmittal of NMED Waste Stream Profile Form for Waste Stream ID-RTC-S3000 Managed at Idaho National Laboratory, Stored Remote Handled Transuranic Waste from the Reactor Technology Complex at the Idaho National Laboratory. <b>(GEN-5)</b>		
<b>TRAINING</b>						
<b>247</b>	Do site procedures ensure that only trained personnel are allowed to operate radiography equipment? (Section C1-3)	CCP-TP-053 S.2.2.1 CCP-TP-508 S.2.2.1 CCP-QP-002 S.4.3.2	Y	<b>RTR BDRs:</b> INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>  Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>248</b>	Do site procedures ensure that training requirements for radiography operators is	CCP-QP-002	Y	Records of RTR Operators: Training &	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	based upon existing industry standard training requirements? (Section C1-3)	S.4.3.2 [A-2] [A.2]		Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>		
<b>249</b>	Does the documented training program provide radiography operators with both formal and on-the-job training (OJT)? (Section C1-3)	CCP-QP-002 S.4.3.2	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>250</b>	Does the documented training program ensure that the radiography operators are instructed in the specific waste generating practices and typical packaging configurations expected to be found in each waste stream at the site? (Section C1-3)	CCP-QP-002 S.4.1 and S.4.2	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>251</b>	Does the documented training program ensure that the OJT and apprenticeship are conducted by an experienced, qualified radiography operator prior to qualification of the candidate? (Section C1-3)	CCP-QP-002 S.4.3.2 [A]	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
<b>252</b>	Is the documented training program site specific? (Section C1-3)	CCP-QP-002 S.4.1, S.4.2, and S.4.3.2	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>262</b>	Does the documented training program ensure that a training drum with various container sizes is scanned by each operator on a semiannual basis? Is the videotape reviewed by a supervisor to ensure that operator's interpretations remain consistent and accurate? (Section C1-3)	CCP-QP-002 S.4.3.2 [C-2] and [D] CCP-TP-028 (All) CCP-TP-510 (All)	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A
<b>263</b>	Do site procedures ensure that the site prepares Testing Batch Data Reports or equivalent which includes all data pertaining to radiography for up to 20 waste containers without regard to waste matrix? (Section C3-10)	CCP-TP-053 S.4.9 CCP-TP-508 S.4.8	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>QUALITY ASSURANCE</b>						
<b>265</b>	Does the documented training program ensure that the imaging system characteristics are verified on a routine basis? (Section C1-3)	CCP-TP-053 S.4.3 CCP-TP-508 S.4.2	Y	Records of RTR Operators: Training & Qualification including Test and Training Drum documentation for six RTR Operators <b>(RTR-2)</b>	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
<b>266</b>	Do procedures ensure that independent replicate scans and replicate observations of the video output of the radiography process are performed under uniform conditions and procedures? Are independent replicate scans performed on one waste container per day or per testing batch of 20 samples, which ever is less frequent, by a qualified radiography operator that was not involved in the original scan of the water container? Are independent observations of one scan (not the replicate scan) performed once per day or per testing batch, which ever is less frequent, by a qualified radiography operator that was not involved in the original scan of the waste container? (Section C1-3)	CCP-TP-053 S.4.5 and S.4.6 CCP-TP-508 S.4.4 and S.4.5	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>267</b>	Do procedures ensure that oversight functions include periodic audio/video media reviews of accepted waste containers, are performed by qualified radiography operators that were not involved in the original scans of the waste containers? (Section C1-3)	CCP-TP-053 S.4.5 and S.4.6 CCP-TP-508 S.4.4 and S.4.5	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
<b>268</b>	Is the site project manager responsible for monitoring the quality of the radiography data and calling for corrective action, when necessary? (Section C1-3)	CCP-TP-001 S.4.2 and Att. 2	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b>	Y	
<b>DATA VALIDATION, REVIEW, VERIFICATION AND REPORTING</b>						
<b>277</b>	Do procedures ensure that all applicable data generation review verification and validation activities specified in C3-10 are followed, including all signatory releases? (Section C3-10)	CCP-TP-053 S.4.10 and Att. 3	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
		CCP-TP-508 S.4.9 and Att. 3		INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>		
<b>278</b>	Do procedures ensure that radiography tapes have been reviewed at a frequency of one waste container per day or once per testing batch, whichever is less frequent, to ensure data are correct and completed? (Section C1-3)	CCP-TP-053 S.4.6 CCP-TP-508 S.4.5	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028 INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>	Y	N/A
	Do procedures ensure that all applicable project-level signatory releases and DQOs (Section C3-11) as specified in the WAP are performed? (Section C3-10b)	CCP-TP-001 S.4.2 and Att. 2	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b> IN-ARP-VE-002402 IN-ARP-VE-002268 RHINLVE110001 <b>(GEN-2)</b>	Y	
<b>282</b>	At the data generation level, do procedures ensure that all electronic and video data stored appropriately to ensure that waste container, sample, and associated QA data are readily retrievable? Are radiography tapes reviewed, at a frequency of one waste container per day or once per testing batch, whichever is less frequent,	CCP-TP-053 S.4.6 and S.5.0 CCP-TP-508 S.4.5 and S.5.0	Y	<b>RTR</b> BDRs: INRTR5100023 INRTR5110027 INRTR5100028	Y	N/A

	WAP Requirement <sup>1</sup> INL/CCP Audit A-11-14 Table C6-5 Radiography Checklist	Procedure Documented		Example of Implementation/ Objective Evidence, as applicable		Comment (e.g., any change in procedure since last audit, etc.)
		Location	Adequate? Y/N (Why)	Item Reviewed	Adequate? Y/N	
	against the data reported on the radiography form? (Section C3-10a, C3-10a(1))			INRTR5100037 INRTR5100039 INRTR5100061 INRTR5110045 INLRHRTR10010 INLRHRTR10017 INLRHRTR10019 INLRHRTR11001 <b>(RTR-1)</b>		
<b>283</b>	At the project level, do procedures require the Site Project Manager to certify that the radiography data are complete and acceptable based on the videotape review of at least one waste container per testing batch or daily, whichever is less frequent? (Section C3-10b(1))	CCP-TP-001 S.4.2 and Att. 2	Y	INRTR5110016 INRTR5100031 INRTR5100023 INLRHRTR10013 INLRHRTR11001 <b>(GEN-1)</b>	Y	

1. The WAP requirements should be presented in documents, such as procedures. Each of the questions posed under WAP requirements is meant to ask whether procedures are in place or whether documents are evident which demonstrate that the specific WAP requirement is or can be met.