

Source Control Change

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Bob Lykowski 9/12/11
Derivative Classifier Date

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Bob Lykowski 9/12/11
ECI Reviewer Date

License Amendment Request

- The LAR (AET 11-0032 dated June 3, 2011) proposed changes to Chapters 1 and 4 of the Lead Cascade License Application to allow the Lead Cascade to use sources administratively controlled by the American Centrifuge Plant Material License and License Application and Supporting Documents.
- LC License Application Section 4.8.3 will now state:
 - Radioactive source and byproduct material sources are used at the Lead Cascade for calibration and instrument checks under the American Centrifuge Plant Materials License.
- The LAR also provided a mechanism for disposal of the Lead Cascade Sources under the ACP Decommissioning Funding Plan
- NRC RAls addressed in Letter AET 11-0035 dated July 12, 2011

ACP Source Control Procedure

- ACD2-HP-012, contains the requirements outlined in Section 4.8.3 of the License Application, providing for:
 - Routine Inventory
 - Storage, control, and labeling
 - Leak testing
 - Disposal
 - Purchase etc.
- It is based on GDP Certificate Source Control Procedure and incorporated the NRC BTP requirements

Use of the Sources

- Sources used to perform response checks and calibration of Lead Cascade Radiation Protection Instrumentation.
- Currently Source Users limited to qualified HP personnel
 - GS/FBP Shift HP have keys to ACP Source Storage Locations
- Sources will be also tracked in the GS/FBP Source Database to provide tracking across the DOE Reservation

Sources Planned for LC

Date used to determine activity of source =						5/26/2011	
Source ID	Isotope	Listed Activity	Listed Units	Listed Date	Current Activity	units	
672	Th-230	2.00E+04	dpm	11/1/1993	19996.8	dpm	
930	Tc-99	5.39E+03	dpm	4/22/1993	5389.7	dpm	
1428	Th-230	1.92E+04	dpm	5/28/1997	19197.6	dpm	
1429	Sr-90	1.69E+04	dpm	5/28/1997	12040.1	dpm	
1483	Sr-90	8.00E+03	dpm	1/29/1992	5009.1	dpm	
2031	Sr-90	563	uCi	3/1/1994	370.8	uCi	

Subsequent ACP Actions

- In preparation for “mini-ORR”, ACP HP assessed Source Control at ACP
 - ESH-343-11-024 Control of Source and Byproduct Material Sources at the Lead Cascade
- Open Actions include:
 - Clarification of procedure ACDD2-HP-012 (CATSWeb Subtask 14832)
 - Perform Initial Source Inventory (CATSWeb Subtask 15190)
 - Complete HP-IH Crew Brief (CATSWeb Subtask 15198)