



Uranium Processing Facility GROUNDING INSTALLATION INSPECTION RECORD

DMC NUMBER:		DATE:	
WORK PACKAGE NO.:		TASK NO.:	
QUALITY LEVEL: <input type="checkbox"/> Q <input type="checkbox"/> RS <input type="checkbox"/> CC		INSTALL <input type="checkbox"/> REPAIR <input type="checkbox"/>	
BLDG/AREA:		LOCATION:	
GROUNDING ID:		SYSTEM:	
REFERENCE DOCUMENT NO.	REV. NO.	REFERENCE DOCUMENT NO.	REV. NO.

ITEM	DESCRIPTION	INSP. TYPE	N/A	FE/DATE (Initials/Date)	QCE/DATE (Initials/Date)
General Grounding Systems					
1	Ground rod placement in accordance with design documents	I	<input type="checkbox"/>		
2	Ground rod material in accordance with design documents	I	<input type="checkbox"/>		
3	Ground rod connection compression and exothermic type in accordance with design document	I	<input type="checkbox"/>		
4	Bolted or Crimped ground connections shall be tight in accordance with design documents	I	<input type="checkbox"/>		
Exothermic Welding					
5	Cable shall be cut to minimize deforming of the cable	I	<input type="checkbox"/>		
6	Weld area surfaces shall be bright, clean and dry	I	<input type="checkbox"/>		
7	Dirt, scale, rust, and paint shall be removed from weld area with a brush	I	<input type="checkbox"/>		
8	Oil and grease shall be removed from weld area with a solvent prior to welding	I	<input type="checkbox"/>		
9	Ensure mold is correct for conductor size and specific application. Record Manuf. Model No. _____ Shot No. _____	I	<input type="checkbox"/>		
Post Weld Acceptance Criteria					
10	Size – the connection has sufficient fill to completely cover conductors.	I	<input type="checkbox"/>		
11	Color –shall be gold to bronze and slightly silver at the top	I	<input type="checkbox"/>		
12	Surface Finish - Connection should not have any major slag	I	<input type="checkbox"/>		
13	Porosity – The connection shall be free from major porosity	I	<input type="checkbox"/>		
Lightning Protection Grounding					
14	Lightning protection equipment shall be installed in accordance with project design drawings and/or vendor drawings	I	<input type="checkbox"/>		

