

GENERATOR ACCUMULATION TANK SYSTEM ASSESSMENTS  
FOR THE PLUTONIUM FINISHING PLANT

COVER SHEET

Tank System Identification:

241-Z Waste Treatment and Storage Facility

Tanks TK-D4, TK-D7, and TK-D8  
and TK-D5

236-Z Plutonium Reclamation Facility

Tanks TK-19, TK-39, TK-40, and  
TK-40

Submitter Name: J. E. Bramson

Date: 11 Feb 1993

Submitter Signature: original signed this date



**GENERATOR ACCUMULATION TANK SYSTEM ASSESSMENTS  
FOR THE PLUTONIUM FINISHING PLANT**

**241-Z Waste Treatment and Storage Facility**

Tank System Identification: Tanks TK-D4, TK-D7, and TK-D8

**A. Applicability Checklist**

A1	YES		Q83	NO	
A2	YES	Tank, Tank System	Q84	NO	go to C28
A3	NO		Q85	YES	
A4	YES		Q86	YES	
A5	YES		Q87	YES	
A6	NO	tank system is not Generator Accumulation	Q88	NO	go to Q93
A10	YES	go to A14	Q93	YES	
A14	NO	go to A16	Q94	NO	
A16	YES	go to A19	Q95	YES	
A19	NO	go to Q1 and A22	Q96	YES	
A22	YES	as part of tank system	Q97	YES	
A23	NO		Q98	YES	
A24	NO		Q99	YES	
A25	YES		Q100	NO	go to Q109
A26	YES	go to Q47	Q109	NO	go to Q114
			Q114	NO	
			Q115	YES	
			Q116	YES	end of checklist

**B. Compliance Checklist**

Q1	NO	
Q2	NO	go to E1 through E9 and Q14
Q14	NO	go to E10 AND Q47
Q47	YES	
Q48	NO	go to C1 through C2
Q49	NO	go to C3
Q50	NO	go to C4
Q51	YES	
Q52	YES	
Q53	YES	
Q54	YES	
Q55	NO	
Q56	YES	go to Q63
Q63	YES	
Q64	YES	go to Q66
Q66	NO	go to C16
Q67	NO	go to C17
Q68	YES	
Q69	NO	go to C19 and Q74
Q74	YES	go to Q80
Q80	NO	go to Q82
Q82	YES	

**C. Specific Corrective Measures**

**Existing Tank Systems Integrity Assessment**  
E1 through E6 and E8 through E10 (E7 applies only to nonenterable underground tanks)

**Containment and Detection of Releases**  
C1 through C4, C16, C17, C19, and C28

**GENERATOR ACCUMULATION TANK SYSTEM ASSESSMENTS  
FOR THE PLUTONIUM FINISHING PLANT**

**241-Z Waste Treatment and Storage Facility**

Tank System Identification: TK-D5

**A. Applicability Checklist**

A1	YES		Q84	NO	go to C28
A2	YES	Tank System	Q85	YES	
A3	NO		Q86	YES	
A4	YES		Q87	YES	
A5	NO	tank system is not Generator Accumulation	Q88	NO	go to Q93
			Q93	YES	
A10	YES	go to A14	Q94	NO	
A14	NO	go to A16	Q95	NO	go to Q109
A16	YES	go to A19	Q109	NO	go to Q114
A19	NO	go to Q1 and A22	Q114	NO	
A22	YES	as part of tank system	Q115	NO	end of checklist
A23	NO				
A24	NO				
A25	YES				
A26	YES	go to Q47			

**B. Compliance Checklist**

Q1	NO	
Q2	NO	go to E1 through E9 and Q14
Q14	NO	go to E10 and Q47
Q47	YES	
Q48	NO	go to C1 through C2
Q49	NO	go to C3
Q50	NO	go to C4
Q51	YES	
Q52	YES	
Q53	YES	
Q54	YES	
Q55	NO	
Q56	YES	go to Q63
Q63	YES	
Q64	YES	go to Q66
Q66	NO	go to C16
Q67	NO	go to C17
Q68	YES	
Q69	NO	go to C19 and Q74
Q74	YES	go to Q80
Q80	NO	go to Q82
Q82	YES	
Q83	NO	

**C. Specific Corrective Measures**

**Existing Tank Systems Integrity Assessment**  
E1 through E6 and E8 through E10 (E7 applies only to nonenterable underground tanks)

**Containment and Detection of Releases**  
C1 through C4, C16, C17, C19, and C28

**GENERATOR ACCUMULATION TANK SYSTEM ASSESSMENTS  
FOR THE PLUTONIUM FINISHING PLANT**

**236-Z Plutonium Reclamation Facility**

Tank Unit Identification: Tanks TK-19, TK-39, TK-40, and TK-WM1

**A. Applicability Checklist**

A1	YES		Q82	YES	
A2	YES	Tank, Tank System	Q83	NO	
A3	NO		Q84	NO	go to C28
A4	YES		Q85	YES	
A5	YES		Q86	YES	
A6	YES		Q87	YES	
A7	YES	tanks system is Generator Accumulation	Q88	NO	go to Q93
			Q93	YES	
A8	NO	go to A16	Q94	NO	
A16	YES	go to A19	Q95	YES	
A19	NO	go to Q1 and A22	Q96	YES	
A22	YES	as part of tank system	Q97	Yes	
A23	NO		Q98	YES	
A24	NO		Q99	YES	
A25	YES		Q100	NO	go to Q109
A26	YES	go to Q47	Q109	NO	go to Q114
			Q114	NO	
			Q115	NO	end of checklist

**B. Compliance Checklist**

Q1	NO	
Q2	NO	go to E1 through E9 and Q14
Q14	NO	go to E10 and Q47
Q47	YES	
Q48	YES	
Q49	YES	
Q50	YES	
Q51	YES	
Q52	YES	
Q53	YES	
Q54	YES	
Q55	NO	
Q56	YES	go to Q63
Q63	YES	
Q64	YES	go to Q66
Q66	Yes	
Q67	YES	
Q68	YES	
Q69	NO	(not applicable to this vault structure) go to Q74
Q74	YES	go to Q80
Q80	NO	go to Q82

**C. Specific Corrective Measures**

**Existing Tank Systems Integrity Assessment**  
E1 through E6 and E8 through E10 (E7 applies only to nonenterable underground tanks)

**Containment and Detection of Releases**  
C28