A

VCM LEAK SURVEY
-VINYL AREA-

DATE:	3-5-79	3-6-79	3-7-79	3-8-79	3-9-79
INSPECTOR:	J. Robert	J.R.	J.R.	J.R.	J.R.
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge valve				0	
2. Directly Under 741				0	
3. 742 Charge Valve				0	
4. Directly Under 742				0	
5. 743 Charge Valve				0	
6. Directly Under 743				0	
7. 744 Charge Valve				0	
8. Directly Under 744				0	
9. Sweco (Area)				0	
10. Sewer (N of 741)				100	
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal				0	
2. 741 Condenser Bottom Seal				0	
3. 741 Recovery Valve				0	
4. 741 Rinse Water Line				0	
5. 742 Lenape Seal				0	
6. 742 Condenser Bottom Seal				0	
7. 742 Recovery Valve				0	
8. 741 Rinse Water Line				0	
9. 743 Lenape Seal				0	
10. 743 Condenser Bottom Seal				0	

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve				0	
12. 743 Rinse Water Line				0	
13. 744 Lenape Seal				0	
14. 744 Condenser Bottom Seal				0	
15. 744 Recovery Valve				0	
16. 744 Rinse Water Line				0	
17. Steam Jet Exhaust				0	
C. Top of Condensors					
1. 741 Condensor Seal				0	
2. 741 Condensor Valve				0	
3. 742 Condensor Seal				0	
4. 742 Condensor Valve				0	
5. 743 Condensor Seal				0	
6. 743 Condensor Valve				0	
7. 744 Condensor Seal				0	
8. 744 Condensor Valve				0	
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal				0	
2. 901 (South) Vacuum Pump Overflow				0	
3. 902 (North) Vacuum Pump Seal				0	
4. 902 (North) Vacuum Pump Overflow				0	
5. 903 Recover Compressor Seal				0	
6. 903 Recovery Compressor Overflow				0	
7. 904 Recovery Compressor Seal				0	
8. 904 Recovery Compressor Overflow				0	
9. 905 Recovery Compressor Seal				0	
10. 905 Recovery Compressor Overflow				0	

II. New Reactor Area - Recovery Unit

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)				0	
12. East Recovery Condensor (Area)				0	
13. West Recovery Condensor (Area)				0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)				0	
2. East VCM Storage Tank Top (Area)				0	
3. Middle VCM Storage Tank Bottom (Area)				0	
4. Middle VCM Storage Tank Top (Area)				0	
5. West VCM Storage Tank Bottom (Area)				0	
6. West VCM Storage Tank Top (Area)				0	
7. East (894) Rec. VCM Return Pump Seal				0	
8. West (893) Rec. VCM Return Pump Seal				0	
9. South (891) Seal Water Separator Pump Seal				0	
10. North (892) Seal Water Separator Pump Seal				0	
11. Seal Water Filter Pack Head				0	
12. East Rec. VCM Charge Pump Seal				0	
13. East Rec. VCM Charge Pump Overflow				0	
14. West Rec. VCM Charge Pump Seal				0	
15. West Rec. VCM Charge Pump Overflow				0	
16. Rec. VCM Filter Pack Head				0	
17. East Rec. Charge Pump Seal				0	
18. East VCM Charge Pump Valve				0	
19. West VCM Charge Pump Seal				0	

II. New Reactor Area - Recovery Unit

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve				0	
21. North Fresh VCM Filter Pack Head				0	
22. South Fresh VCM Filter Pack Head				0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)			0		
2. Middle VCM Receiver, Bottom (Area)			0		
3. South VCM Receiver, Top (Area)			0		
4. South VCM Receiver, Bottom (Area)			0		
5. 401 Receiver, Top (Area)			0		
6. 401 Receiver, Bottom (Area)			0		
7. VCM Transfer Pump (Under South Receiver)			0		
8. East VCM Charge Pump Seal			0		
9. West VCM Charge Pump Seal			0		
10. Rec. VCM Filter Pack Head			0		
11. North, Fresh VCM Filter Pack Head			0		
12. South, Fresh VCM Filter Pack Head			0		
13. Blowdown Tank Relief Vent (Platform)			0		
14. West VCM Return Pump Seal			0		
15. East VCM Return Pump Seal			0		
B. 1st Floor - V-11 (Area)			0		

C. 2nd Floor

1. A (East) Vacuum Pump, Seal			0		
2. B (West) Vacuum Pump, Seal			0		
3. East Recovery Compressor Seal			0		
4. West Recovery Compressor Seal			0		
5. North Recovery Compressor Seal			0		

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust			0		
2. West Steam Jet Exhaust			0		
3. D-300 Condensor Top Seal			0		
4. D-300 Condensor Bottom Seal			0		
5. D-300 Lenape Manway Seal			0		
6. D-400 Condensor Top Seal			0		
7. D-400 Condensor Bottom Seal			0		
8. D-400 Lenape Manway Seal			0		
9. D-500 Condensor Top Seal			0		
10. D-500 Condensor Bottom Seal			0		
11. D-500 Lenape Manway Seal			0		
12. D-600 Condensor Top Seal			0		
13. D-600 Condensor Bottom Seal			0		
14. D-600 Lenape Manway Seal			0		

B. Bottom of Reactors

1. D-300 Dump Valve			0		
2. D-400 Dump Valve			0		
3. D-500 Dump Valve			0		
4. D-600 Dump Valve			0		
5. VCM Charge Manifold Line (Area)			0		
6. Sweco Screener (Area)			10		
7. Sewer (E. of Reactors)			50		

V. VCM Tank Farm

1. #1 Compressor (North)			Down for maint.		
2. #2 Compressor			0	No	
3. #3 Compressor			0	Can	
4. #4 Compressor (South)			0		
5. Railcar Connection, North Station			Not hooked up.	Not hooked up	
6. Railcar Connection, Middle Station			25		
7. Railcar Connection, South Station			Not hooked up.		
8. North VCM Charge Pump (S. of Sphere)			0	0	
9. South VCM Charge Pump (S. of Sphere)			0	0	

VCM LEAK SURVEY
-VINYL AREA-

DATE:			3-21-79	3-22-79	3-23-7.
INSPECTOR:			J. Robert	J.R.	J.R.

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge valve				0	
2. Directly Under 741				0	
3. 742 Charge Valve				0	
4. Directly Under 742					
5. 743 Charge Valve				0	
6. Directly Under 743				0	
7. 744 Charge Valve				0	
8. Directly Under 744				0	
9. Sweco (Area)				0	
10. Sewer (N of 741)				40	

B. Third Level (Top of Reactors)

1. 741 Lenape Seal				0	
2. 741 Condenser Bottom Seal				0	
3. 741 Recovery Valve				0	
4. 741 Rinse Water Line				0	
5. 742 Lenape Seal				0	
6. 742 Condenser Bottom Seal				0	
7. 742 Recovery Valve				0	
8. 741 Rinse Water Line				0	
9. 743 Lenape Seal				0	
10. 743 Condenser Bottom Seal				0	

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve				0	
12. 743 Rinse Water Line				0	
13. 744 Lenape Seal				0	
14. 744 Condenser Bottom Seal				0	
15. 744 Recovery Valve				0	
16. 744 Rinse Water Line				0	
17. Steam Jet Exhaust				0	

C. Top of Condensors

1. 741 Condensor Seal				0	
2. 741 Condensor Valve				0	
3. 742 Condensor Seal				0	
4. 742 Condensor Valve				0	
5. 743 Condensor Seal				0	
6. 743 Condensor Valve				0	
7. 744 Condensor Seal				0	
8. 744 Condensor Valve				0	

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal				110	
2. 901 (South) Vacuum Pump Overflow				0	
3. 902 (North) Vacuum Pump Seal				0	
4. 902 (North) Vacuum Pump Overflow				0	
5. 903 Recover Compressor Seal				0	
6. 903 Recovery Compressor Overflow				0	
7. 904 Recovery Compressor Seal				0	
8. 904 Recovery Compressor Overflow				0	
9. 905 Recovery Compressor Seal				0	
10. 905 Recovery Compressor Overflow				0	

A

II. New Reactor Area - Recovery Unit

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)				0	
12. East Recovery Condensor (Area)				0	
13. West Recovery Condensor (Area)				0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)				0	
2. East VCM Storage Tank Top (Area)				0	
3. Middle VCM Storage Tank Bottom (Area)				0	
4. Middle VCM Storage Tank Top (Area)				0	
5. West VCM Storage Tank Bottom (Area)				0	
6. West VCM Storage Tank Top (Area)				0	
7. East (894) Rec. VCM Return Pump Seal				0	
8. West (893) Rec. VCM Return Pump Seal				0	
9. South (891) Seal Water Separator Pump Seal				0	
10. North (892) Seal Water Separator Pump Seal				0	
11. Seal Water Filter Pack Head				0	
12. East Rec. VCM Charge Pump Seal				0	
13. East Rec. VCM Charge Pump Overflow				0	
14. West Rec. VCM Charge Pump Seal				0	
15. West Rec. VCM Charge Pump Overflow				0	
16. Rec. VCM Filter Pack Head				0	
17. East Rec. Charge Pump Seal				0	
18. East VCM Charge Pump Valve				0	
19. West VCM Charge Pump Seal				0	

II. New Reactor Area - Recovery Unit

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve				0	
21. North Fresh VCM Filter Pack Head				0	
22. South Fresh VCM Filter Pack Head				0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)			0		0
2. Middle VCM Receiver, Bottom (Area)			0		0
3. South VCM Receiver, Top (Area)			0		0
4. South VCM Receiver, Bottom (Area)			0		120
5. 401 Receiver, Top (Area)			0		0
6. 401 Receiver, Bottom (Area)			0		0
7. VCM Transfer Pump (Under South Receiver)			0		0
8. East VCM Charge Pump Seal			0		0
9. West VCM Charge Pump Seal			0		0
10. Rec. VCM Filter Pack Head			0		0
11. North, Fresh VCM Filter Pack Head			0		0
12. South, Fresh VCM Filter Pack Head			0		0
13. Blowdown Tank Relief Vent (Platform)			0		0
14. West VCM Return Pump Seal			0		0
15. East VCM Return Pump Seal			0		0
B. 1st Floor - V-11 (Area)			0		0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal			0		0
2. B (West) Vacuum Pump, Seal			0		0
3. East Recovery Compressor Seal			0		0
4. West Recovery Compressor Seal			0		0
5. North Recovery Compressor Seal			0		0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust			0		0
2. West Steam Jet Exhaust			0		0
3. D-300 Condensor Top Seal			0		0
4. D-300 Condensor Bottom Seal			0		0
5. D-300 Lenape Manway Seal			0		0
6. D-400 Condensor Top Seal			0		0
7. D-400 Condensor Bottom Seal			0		0
8. D-400 Lenape Manway Seal			0		0
9. D-500 Condensor Top Seal			30		0
10. D-500 Condensor Bottom Seal			0		0
11. D-500 Lenape Manway Seal			0		0
12. D-600 Condensor Top Seal			"1000"		0
13. D-600 Condensor Bottom Seal			0		0
14. D-600 Lenape Manway Seal			0		0

B. Bottom of Reactors

1. D-300 Dump Valve			0		0
2. D-400 Dump Valve			0		0
3. D-500 Dump Valve			0		0
4. D-600 Dump Valve			0		0
5. VCM Charge Manifold Line (Area)			0		0
6. Sweco Screener (Area)			0		0
7. Sewer (E. of Reactors)			120		200

V. VCM Tank Farm

1. #1 Compressor (North)			40	40	40
2. #2 Compressor			300	500	410
3. #3 Compressor			100	60	70
4. #4 Compressor (South)			110	150	120
5. Railcar Connection, North Station			50		
6. Railcar Connection, Middle Station			30		
7. Railcar Connection, South Station			100		
8. North VCM Charge Pump (S. of Sphere)			0	0	0
9. South VCM Charge Pump (S. of Sphere)			0	0	0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:				3-1-79	3-2-79
INSPECTOR:				J. Robert	J. Robert

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge valve				0	
2. Directly Under 741				0	
3. 742 Charge Valve				0	
4. Directly Under 742				0	
5. 743 Charge Valve				0	
6. Directly Under 743				0	
7. 744 Charge Valve				0	
8. Directly Under 744				0	
9. Sweco (Area)				20	
10. Sewer (N of 741)				150	

B. Third Level (Top of Reactors)

1. 741 Lenape Seal				0	
2. 741 Condenser Bottom Seal				0	
3. 741 Recovery Valve				0	
4. 741 Rinse Water Line				0	
5. 742 Lenape Seal				0	
6. 742 Condenser Bottom Seal				0	
7. 742 Recovery Valve				0	
8. 741 Rinse Water Line				0	
9. 743 Lenape Seal				0	
10. 743 Condenser Bottom Seal				0	

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve				0	
12. 743 Rinse Water Line				0	
13. 744 Lenape Seal				0	
14. 744 Condenser Bottom Seal				0	
15. 744 Recovery Valve				0	
16. 744 Rinse Water Line				0	
17. Steam Jet Exhaust				0	
C. Top of Condensors					
1. 741 Condensor Seal				0	
2. 741 Condensor Valve				0	
3. 742 Condensor Seal				0	
4. 742 Condensor Valve				0	
5. 743 Condensor Seal				0	
6. 743 Condensor Valve				0	
7. 744 Condensor Seal				0	
8. 744 Condensor Valve				0	
I. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal				0	
2. 901 (South) Vacuum Pump Overflow				0	
3. 902 (North) Vacuum Pump Seal				0	
4. 902 (North) Vacuum Pump Overflow				0	
5. 903 Recover Compressor Seal				0	
6. 903 Recovery Compressor Overflow				0	
7. 904 Recovery Compressor Seal				0	
8. 904 Recovery Compressor Overflow				0	
9. 905 Recovery Compressor Seal				0	
10. 905 Recovery Compressor Overflow				0	

I. New Reactor Area - Recovery Unit

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)				0	
12. East Recovery Condensor (Area)				0	
13. West Recovery Condensor (Area)				0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)				0	
2. East VCM Storage Tank Top (Area)				0	
3. Middle VCM Storage Tank Bottom (Area)				20	
4. Middle VCM Storage Tank Top (Area)				0	
5. West VCM Storage Tank Bottom (Area)				0	
6. West VCM Storage Tank Top (Area)				0	
7. East (894) Rec. VCM Return Pump Seal				0	
8. West (893) Rec. VCM Return Pump Seal				0	
9. South (891) Seal Water Separator Pump Seal				0	
10. North (892) Seal Water Separator Pump Seal				20	
11. Seal Water Filter Pack Head				0	
12. East Rec. VCM Charge Pump Seal				0	
13. East Rec. VCM Charge Pump Overflow				0	
14. West Rec. VCM Charge Pump Seal				0	
15. West Rec. VCM Charge Pump Overflow				0	
16. Rec. VCM Filter Pack Head				0	
17. East Rec. Charge Pump Seal				0	
18. East VCM Charge Pump Valve				0	
19. West VCM Charge Pump Seal				0	

II. New Reactor Area - Recovery Unit

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve				0	
21. North Fresh VCM Filter Pack Head				0	
22. South Fresh VCM Filter Pack Head				0	

I I. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (Under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					
2. West Steam Jet Exhaust					
3. D-300 Condensor Top Seal					
4. D-300 Condensor Bottom Seal					
5. D-300 Lenape Manway Seal					
6. D-400 Condensor Top Seal					
7. D-400 Condensor Bottom Seal					
8. D-400 Lenape Manway Seal					
9. D-500 Condensor Top Seal					
10. D-500 Condensor Bottom Seal					
11. D-500 Lenape Manway Seal					
12. D-600 Condensor Top Seal					
13. D-600 Condensor Bottom Seal					
14. D-600 Lenape Manway Seal					

B. Bottom of Reactors

1. D-300 Dump Valve					
2. D-400 Dump Valve					
3. D-500 Dump Valve					
4. D-600 Dump Valve					
5. VCM Charge Manifold Line (Area)					
6. Sweco Screener (Area)					
7. Sewer (E. of Reactors)					

A

V. VCM Tank Farm

1. #1 Compressor (North)				500	
2. #2 Compressor				Down	
3. #3 Compressor				Down	
4. #4 Compressor (South)				Down	
5. Railcar Connection, North Station				"	
6. Railcar Connection, Middle Station				"	
7. Railcar Connection, South Station				"	
8. North VCM Charge Pump (S. of Sphere)				0	
9. South VCM Charge Pump (S. of Sphere)				0	

A

VCM LEAK SURVEY
-VINYL AREA-

DATE:	2.12.79	2.20.79	2.21.79	2.22.79	2.23.79
INSPECTOR:	J. Roberts	J.R.	J.R.	J.R.	J.R.
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge valve		0			
2. Directly Under 741		0			
3. 742 Charge Valve		0			
4. Directly Under 742		0			
5. 743 Charge Valve		0			
6. Directly Under 743		0			
7. 744 Charge Valve		0			
8. Directly Under 744		0			
9. Sweco (Area)		20			
10. Sewer (N of 741)		110			
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal		0			
2. 741 Condenser Bottom Seal		0			
3. 741 Recovery Valve		0			
4. 741 Rinse Water Line		0			
5. 742 Lenape Seal		0			
6. 742 Condenser Bottom Seal		0			
7. 742 Recovery Valve		0			
8. 741 Rinse Water Line		0			
9. 743 Lenape Seal		0			
10. 743 Condenser Bottom Seal		0			

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve		0			
12. 743 Rinse Water Line		0			
13. 744 Lenape Seal		0			
14. 744 Condenser Bottom Seal		0			
15. 744 Recovery Valve		0			
16. 744 Rinse Water Line		0			
17. Steam Jet Exhaust		0			

C. Top of Condensors

1. 741 Condensor Seal		0			
2. 741 Condensor Valve		0			
3. 742 Condensor Seal		0			
4. 742 Condensor Valve		0			
5. 743 Condensor Seal		0			
6. 743 Condensor Valve		0			
7. 744 Condensor Seal		0			
8. 744 Condensor Valve		0			

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal		0			
2. 901 (South) Vacuum Pump Overflow		0			
3. 902 (North) Vacuum Pump Seal		0			
4. 902 (North) Vacuum Pump Overflow		0			
5. 903 Recover Compressor Seal		0			
6. 903 Recovery Compressor Overflow		0			
7. 904 Recovery Compressor Seal		0			
8. 904 Recovery Compressor Overflow		0			
9. 905 Recovery Compressor Seal		0			
10. 905 Recovery Compressor Overflow		0			

A

II. New Reactor Area - Recovery Unit

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)		0			
12. East Recovery Condensor (Area)		0			
13. West Recovery Condensor (Area)		0			

B. Ground Level

1. East VCM Storage Tank Bottom (Area)		0			
2. East VCM Storage Tank Top (Area)		0			
3. Middle VCM Storage Tank Bottom (Area)		Valve (13-[illegible]) leaking bad 15:00 Maint working on Valve			
4. Middle VCM Storage Tank Top (Area)					
5. West VCM Storage Tank Bottom (Area)		0			
6. West VCM Storage Tank Top (Area)		0			
7. East (894) Rec. VCM Return Pump Seal		0			
8. West (893) Rec. VCM Return Pump Seal		0			
9. South (891) Seal Water Separator Pump Seal		0			
10. North (892) Seal Water Separator Pump Seal		0			
11. Seal Water Filter Pack Head		0			
12. East Rec. VCM Charge Pump Seal		0			
13. East Rec. VCM Charge Pump Overflow		0			
14. West Rec. VCM Charge Pump Seal		0			
15. West Rec. VCM Charge Pump Overflow		0			
16. Rec. VCM Filter Pack Head		0			
17. East Rec. Charge Pump Seal		0			
18. East VCM Charge Pump Valve		0			
19. West VCM Charge Pump Seal		0			

II. New Reactor Area - Recovery Unit

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve		0			
21. North Fresh VCM Filter Pack Head		0			
22. South Fresh VCM Filter Pack Head		0			

III Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)	0			0	
2. Middle VCM Receiver, Bottom (Area)	0			0	
3. South VCM Receiver, Top (Area)	0			0	
4. South VCM Receiver, Bottom (Area)	0			0	
5. 401 Receiver, Top (Area)	0			0	
6. 401 Receiver, Bottom (Area)	0			0	
7. VCM Transfer Pump (Under South Receiver)	0			0	
8. East VCM Charge Pump Seal	0			0	
9. West VCM Charge Pump Seal	0			0	
10. Rec. VCM Filter Pack Head	0			0	
11. North, Fresh VCM Filter Pack Head	0			0	
12. South, Fresh VCM Filter Pack Head	0			0	
13. Blowdown Tank Relief Vent (Platform)	0			0	
14. West VCM Return Pump Seal	0			0	
15. East VCM Return Pump Seal	0			0	
B. 1st Floor - V-11 (Area)	0			0	
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal	0			0	
2. B (West) Vacuum Pump, Seal	0			0	
3. East Recovery Compressor Seal	0			0	
4. West Recovery Compressor Seal	0			0	
5. North Recovery Compressor Seal				0	

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust	0			0	
2. West Steam Jet Exhaust	0			0	
3. D-300 Condensor Top Seal	0			0	
4. D-300 Condensor Bottom Seal	0			0	
5. D-300 Lenape Manway Seal	0			0	
6. D-400 Condensor Top Seal	0			20	
7. D-400 Condensor Bottom Seal	0			0	
8. D-400 Lenape Manway Seal	0			0	
9. D-500 Condensor Top Seal	0			0	
10. D-500 Condensor Bottom Seal	0			0	
11. D-500 Lenape Manway Seal	0			0	
12. D-600 Condensor Top Seal	0			0	
13. D-600 Condensor Bottom Seal	0			0	
14. D-600 Lenape Manway Seal	0			0	

B. Bottom of Reactors

1. D-300 Dump Valve	0			0	
2. D-400 Dump Valve	0			0	
3. D-500 Dump Valve	0			0	
4. D-600 Dump Valve	0			0	
5. VCM Charge Manifold Line (Area)	0			0	
6. Sweco Screener (Area)	20			0	
7. Sewer (E. of Reactors)	200			150	

A

V. VCM Tank Farm

1. #1 Compressor (North)	200	205		200	
2. #2 Compressor	175	160		60	
3. #3 Compressor	150	150		100	
4. #4 Compressor (South)	700	675		350	
5. Railcar Connection, North Station	Not Checked Sp.	100		450	
6. Railcar Connection, Middle Station		75		Line Leaking	
7. Railcar Connection, South Station		110		Line Leaking Sp. D.H	
8. North VCM Charge Pump (S. of Sphere)	0	0		0	
9. South VCM Charge Pump (S. of Sphere)	0	0		0	

VCM LEAK SURVEY
-VINYL AREA-

DATE:	2-12-79	2-13-79	2-14-79	2-15-79	2-16-79
INSPECTOR:	J. Robert	J.R.	J.R.	J.R.	J.R.

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge valve		0			0
2. Directly Under 741		0			0
3. 742 Charge Valve		0			0
4. Directly Under 742					
5. 743 Charge Valve		0			0
6. Directly Under 743		0			0
7. 744 Charge Valve		0			0
8. Directly Under 744		0			0
9. Sweco (Area)		0			40
10. Sewer (N of 741)		100			200

B. Third Level (Top of Reactors)

1. 741 Lenape Seal		0			0
2. 741 Condenser Bottom Seal		0			0
3. 741 Recovery Valve		0			0
4. 741 Rinse Water Line		0			0
5. 742 Lenape Seal		0			0
6. 742 Condenser Bottom Seal		0			0
7. 742 Recovery Valve		0			0
8. 741 Rinse Water Line		0			0
9. 743 Lenape Seal		0			0
10. 743 Condenser Bottom Seal		0			0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve		0			0
12. 743 Rinse Water Line		0			0
13. 744 Lenape Seal		0			0
14. 744 Condenser Bottom Seal		0			0
15. 744 Recovery Valve		0			0
16. 744 Rinse Water Line		0			0
17. Steam Jet Exhaust		15			90

C. Top of Condensors

1. 741 Condensor Seal		0			0
2. 741 Condensor Valve		0			0
3. 742 Condensor Seal		0			0
4. 742 Condensor Valve		0			0
5. 743 Condensor Seal		0			0
6. 743 Condensor Valve		0			0
7. 744 Condensor Seal		0			0
8. 744 Condensor Valve		0			0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal		0			0
2. 901 (South) Vacuum Pump Overflow		0			0
3. 902 (North) Vacuum Pump Seal		0			0
4. 902 (North) Vacuum Pump Overflow		0			0
5. 903 Recover Compressor Seal		0			0
6. 903 Recovery Compressor Overflow		0			0
7. 904 Recovery Compressor Seal		0			0
8. 904 Recovery Compressor Overflow		0			0
9. 905 Recovery Compressor Seal		0			0
10. 905 Recovery Compressor Overflow		0			0

II. New Reactor Area - Recovery Unit

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)		0			0
12. East Recovery Condensor (Area)		0			0
13. West Recovery Condensor (Area)		0			0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)		0			0
2. East VCM Storage Tank Top (Area)		0			0
3. Middle VCM Storage Tank Bottom (Area)		0			0
4. Middle VCM Storage Tank Top (Area)		0			0
5. West VCM Storage Tank Bottom (Area)		0			0
6. West VCM Storage Tank Top (Area)		0			0
7. East (894) Rec. VCM Return Pump Seal		0			0
8. West (893) Rec. VCM Return Pump Seal		0			0 Seal burned out!
9. South (891) Seal Water Separator Pump Seal		0			[redacted] 100
10. North (892) Seal Water Separator Pump Seal		0			Told a Farmer Hay F.
11. Seal Water Filter Pack Head		0			0
12. East Rec. VCM Charge Pump Seal		0			0
13. East Rec. VCM Charge Pump Overflow		0			0
14. West Rec. VCM Charge Pump Seal		0			0
15. West Rec. VCM Charge Pump Overflow		0			0
16. Rec. VCM Filter Pack Head		0			0
17. East Rec. Charge Pump Seal		0			0
18. East VCM Charge Pump Valve		0			0
19. West VCM Charge Pump Seal		0			0

II. New Reactor Area - Recovery Unit

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve		0			0
21. North Fresh VCM Filter Pack Head		0			0
22. South Fresh VCM Filter Pack Head		0			0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)	0			0	
2. Middle VCM Receiver, Bottom (Area)	0			0	
3. South VCM Receiver, Top (Area)	0			0	
4. South VCM Receiver, Bottom (Area)	0			0	
5. 401 Receiver, Top (Area)	0			0	
6. 401 Receiver, Bottom (Area)	0			0	
7. VCM Transfer Pump (Under South Receiver)	0			0	
8. East VCM Charge Pump Seal	0			0	
9. West VCM Charge Pump Seal	0			0	
10. Rec. VCM Filter Pack Head	0			0	
11. North, Fresh VCM Filter Pack Head	0			0	
12. South, Fresh VCM Filter Pack Head	0			0	
13. Blowdown Tank Relief Vent (Platform)	0			0	
14. West VCM Return Pump Seal	0			0	
15. East VCM Return Pump Seal	0			0	
B. 1st Floor - V-11 (Area)	0			0	
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal	0			0	
2. B (West) Vacuum Pump, Seal	0			650	
3. East Recovery Compressor Seal	40			0	
4. West Recovery Compressor Seal	0			0	
5. North Recovery Compressor Seal	0			0	

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust	0			40	
2. West Steam Jet Exhaust	0			0	
3. D-300 Condensor Top Seal	0			0	
4. D-300 Condensor Bottom Seal	0			0	
5. D-300 Lenape Manway Seal	0			0	
6. D-400 Condensor Top Seal	0			0	
7. D-400 Condensor Bottom Seal	0			0	
8. D-400 Lenape Manway Seal	0			0	
9. D-500 Condensor Top Seal	0			0	
10. D-500 Condensor Bottom Seal	0			0	
11. D-500 Lenape Manway Seal	0			0	
12. D-600 Condensor Top Seal	0			0	
13. D-600 Condensor Bottom Seal	0			0	
14. D-600 Lenape Manway Seal	0			0	

B. Bottom of Reactors

1. D-300 Dump Valve	0			0	
2. D-400 Dump Valve	0			0	
3. D-500 Dump Valve	0			0	
4. D-600 Dump Valve	0			0	
5. VCM Charge Manifold Line (Area)	0			0	
6. Sweco Screener (Area)	25			0	
7. Sewer (E. of Reactors)	60			100	

V VCM Tank Farm

1. #1 Compressor (North)	400	900		250	210
2. #2 Compressor	75	75		50	50
3. #3 Compressor	60	65		80	60
4. #4 Compressor (South)	600	650		600	610
5. Railcar Connection, North Station	250	75		75	75
6. Railcar Connection, Middle Station	150	30		200	175
7. Railcar Connection, South Station	40	350		100	150
8. North VCM Charge Pump (S. of Sphere)	0	0		0	0
9. South VCM Charge Pump (S. of Sphere)	0	0		0	0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:	1-22-79	1-23-79	1-24-79	1-25-79	1-26-79
INSPECTOR:	J. Roberts	J.R.	J.R.	J.R.	J.R.
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge Valve	0			0	
2. Directly Under 741	0			0	
3. 742 Charge Valve	0			0	
4. Directly Under 742	0			0	
5. 743 Charge Valve	0			0	
6. Directly Under 743	0			0	
7. 744 Charge Vlave	0			0	
8. Directly Under 744	0			0	
9. Sweco (Area)	20			0	
10. Sewer (N of 741)	110			100	
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal	0			0	
2. 741 Condenser Bottom Seal	0			0	
3. 741 Recovery VAlve	0			0	
4. 741 Rinse Water Line	0			0	
5. 742 Lenape Seal	0			0	
6. 742 Condenser Bottom Seal	0			0	
7. 742 Recovery Valve	0			0	
8. 741 Rinse Water Line	0			0	
9. 743 Leanpe Seal	0			0	
10. 743 Condenser Bottom Seal	0			0	

A

B. Third Level (Top of Reactors) (Cont.)

11.	743 Recovery Valve	0			0	
12.	743 Rinse Water Line	0			0	
13.	744 Lenape Seal	0			0	
14.	744 Condenser Bottom Seal	0			0	
15.	744 Recovery Valve	0			0	
16.	744 Rinse Water Line	0			0	
17.	Steam Jet Exhaust	0			0	

C. Top of Condensors

1.	741 Condensor Seal	0			0	
2.	741 Condensor Valve	0			0	
3.	742 Condensor Seal	0			0	
4.	742 Condensor Valve	0			0	
5.	743 Condensor Seal	20			0	
6.	743 Condensor Valve	0			0	
7.	744 Condensor Seal	0			0	
8.	744 Condensor Valve	0			0	

II New Reactor Area - Recovery Unit

A. 2nd Floor

1.	901 (South) Vacuum Pump Seal	0			0	
2.	901 (South) Vacuum Pump Overflow	0			0	
3.	902 (North) Vacuum Pump Seal	0			0	
4.	902 (North) Vacuum Pump Overflow	0			0	
5.	903 Recovery Compressor SEal	0			0	
6.	903 Recovery Compressor Overflow	0			0	
7.	904 Recovery Compressor Seal	0			0	
8.	904 Recovery Compressor Overflow	0			0	
9.	905 Recovery Compressor Seal	0			0	
10.	905 Recovery Compressor Overflow	0			0	

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)	0			0	
12. East Recovery Condensor (Area)	0			0	
13. West Recovery Condensor (Area)	0			0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)	0			0	
2. East VCM Storage Tank Top (Area)	0			0	
3. Middle VCM Storage Tank Bottom (Area)	0			0	
4. Middle VCM Storage Tank Top (Area)	0			0	
5. West VCM Storage Tank Bottom (Area)	0			0	
6. West VCM Storage Tank Top (Area)	0			0	
7. East (894) Rec. VCM Return Pump Seal	0			0	
8. West (893) Rec. VCM Return Pump Seal	0			0	
9. South (891) Seal Water Separator Pump Seal	0			0	
10. North (892) Seal Water Separator Pump Seal	0			0	
11. Seal Water Filter Pack Head	0			0	
12. East Rec. VCM Charge Pump Seal	0			0	
13. East Rec. VCM Charge Pump Overflow	0			0	
14. West Rec. VCM Charge Pump Seal	0			0	
15. West Rec. VCM Charge Pump Overflow	0			0	
16. Rec. VCM Filter Pack Head	0			0	
17. East Rec. Charge Pump Seal	0			0	
18. East VCM Charge Pump Valve	0			0	
19. West VCM Charge Pump Seal	0			0	

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve	0			0	
21. North Fresh VCM Filter Pack Head	0			0	
22. South Fresh VCM Filter Pack Head	0			0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)		0			
2. Middle VCM Receiver, Bottom (Area)		0			
3. South VCM Receiver, Top (Area)		0			
4. South VCM Receiver, Bottom (Area)		0			
5. 401 Receiver, Top (Area)		0			
6. 401 Receiver, Bottom (Area)		0			
7. VCM Transfer Pump (under South Receiver)		0			
8. East VCM Charge Pump Seal		0			
9. West VCM Charge Pump Seal		0			
10. Rec. VCM Filter Pack Head		0			
11. North, Fresh VCM Filter Pack Head		0			
12. South, Fresh VCM Filter Pack Head		0			
13. Blowdown Tank Relief Vent (Platform)		0			
14. West VCM Return Pump Seal		0			
15. East VCM Return Pump Seal		0			
B. 1st Floor - V-11 (Area)		0			
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal		0			
2. B (West) Vacuum Pump, Seal		0			
3. East Recovery Compressor Seal		0			
4. West Recovery Compressor Seal		0			
5. North Recovery Compressor Seal		0			

VAB.0001082125

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust		0			
2. West Steam Jet Exhaust		0			
3. D-300 Condensor Top Seal		0			
4. D-300 Condensor Bottom Seal		0			
5. D-300 Lenape Manway Seal		0			
6. D-400 Condensor Top Seal		0			
7. D-400 Condensor Bottom Seal		0			
8. D-400 Lenape Manway Seal		0			
9. D-500 Condensor Bottom Seal		Down			
10. D-500 Condensor Bottom Seal					
11. D-500 Lenape Manway Seal		0			
12. D-600 Condensor Top Seal		0			
13. D-600 Condensor Bottom Seal		0			
14. D-600 Lenape Manway Seal		0			

B. Bottom of Reactors

1. D-300 Dump Valve		0			
2. D-400 Dump Valve		0			
3. D-500 Dump Valve		Down			
4. D-600 Dump Valve		0			
5. VCM Charge Manifold Line		0			
6. VCM Charge Manifold Line (Area)		0			
7. Sewer (E. of Reactors)		110			

A

V. VCM Tank Farm

1. #1 Compressor (North)	40	40	50		
2. #2 Compressor	100	110	120		
3. #3 Compressor	150	140	140		
4. #4 Compressor (South)	500	400	400		
5. Railcar Connection, North Station	100	75	110		
6. Railcar Connection, Middle Station	75	110	120		
7. Railcar Connection, South Station	150	150	50		
8. North VCM Charge Pump (S. of Sphere)	0	0	0		
9. South VCM Charge Pump (S. of Sphere)	0	0	0		

VCM LEAK SURVEY

-VINYL AREA-

DATE:				2-8-79	
INSPECTOR:				J Roberts	

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve				0	
2. Directly Under 741				0	
3. 742 Charge Valve				0	
4. Directly Under 742				0	
5. 743 Charge Valve				0	
6. Directly Under 743				0	
7. 744 Charge Vlave				0	
8. Directly Under 744				0	
9. Sweco (Area)				0	
10. Sewer (N of 741)				100	

B. Third Level (Top of Reactors)

1. 741 Lenape Seal				0	
2. 741 Condenser Bottom Seal				0	
3. 741 Recovery VAlve				0	
4. 741 Rinse Water Line				0	
5. 742 Lenape Seal				0	
6. 742 Condenser Bottom Seal				0	
7. 742 Recovery Valve				0	
8. 741 Rinse Water Line				0	
9. 743 Leanpe Seal				0	
10. 743 Condenser Bottom Seal				0	

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve				0	
12. 743 Rinse Water Line				0	
13. 744 Lenape Seal				0	
14. 744 Condenser Bottom Seal				0	
15. 744 Recovery Valve				0	
16. 744 Rinse Water Line				0	
17. Steam Jet Exhaust				0	

C. Top of Condensors

1. 741 Condensor Seal				0	
2. 741 Condensor Valve				0	
3. 742 Condensor Seal				0	
4. 742 Condensor Valve				0	
5. 743 Condensor Seal				0	
6. 743 Condensor Valve				0	
7. 744 Condensor Seal				0	
8. 744 Condensor Valve				0	

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal				0	
2. 901 (South) Vacuum Pump Overflow				0	
3. 902 (North) Vacuum Pump Seal				25	
4. 902 (North) Vacuum Pump Overflow				0	
5. 903 Recovery Compressor SEal				0	
6. 903 Recovery Compressor Overflow				0	
7. 904 Recovery Compressor Seal				0	
8. 904 Recovery Compressor Overflow				0	
9. 905 Recovery Compressor Seal				0	
10. 905 Recovery Compressor Overflow				0	

A

II New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)				0	
12. East Recovery Condensor (Area)				0	
13. West Recovery Condensor (Area)				0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)				0	
2. East VCM Storage Tank Top (Area)				0	
3. Middle VCM Storage Tank Bottom (Area)				0	
4. Middle VCM Storage Tank Top (Area)				0	
5. West VCM Storage Tank Bottom (Area)				0	
6. West VCM Storage Tank Top (Area)				0	
7. East (894) Rec. VCM Return Pump Seal				0	
8. West (893) Rec. VCM Return Pump Seal				0	
9. South (891) Seal Water Separator Pump Seal				0	
10. North (892) Seal Water Separator Pump Seal				0	
11. Seal Water Filter Pack Head				0	
12. East Rec. VCM Charge Pump Seal				0	
13. East Rec. VCM Charge Pump Overflow				0	
14. West Rec. VCM Charge Pump Seal				0	
15. West Rec. VCM Charge Pump Overflow				0	
16. Rec. VCM Filter Pack Head				0	
17. East Rec. Charge Pump Seal				0	
18. East VCM Charge Pump Valve				0	
19. West VCM Charge Pump Seal				0	

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve				0	
21. North Fresh VCM Filter Pack Head				0	
22. South Fresh VCM Filter Pack Head				0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					
2. West Steam Jet Exhaust					
3. D-300 Condensor Top Seal					
4. D-300 Condensor Bottom Seal					
5. D-300 Lenape Manway Seal					
6. D-400 Condensor Top Seal					
7. D-400 Condensor Bottom Seal					
8. D-400 Lenape Manway Seal					
9. D-500 Condensor Bottom Seal					
10. D-500 Condensor Bottom Seal					
11. D-500 Lenape Manway Seal					
12. D-600 Condensor Top Seal					
13. D-600 Condensor Bottom Seal					
14. D-600 Lenape Manway Seal					

B. Bottom of Reactors

1. D-300 Dump Valve					
2. D-400 Dump Valve					
3. D-500 Dump Valve					
4. D-600 Dump Valve					
5. VCM Charge Manifold Line					
6. VCM Charge Manifold Line (Area)					
7. Sewer (E. of Reactors)					

A

V. VCM Tank Farm

1. #1 Compressor (North)				350	
2. #2 Compressor				50	
3. #3 Compressor				50	
4. #4 Compressor (South)				400	
5. Railcar Connection, North Station				55	
6. Railcar Connection, Middle Station				Not Installed	
7. Railcar Connection, South Station				" " "	
8. North VCM Charge Pump (S. of Sphere)				0	
9. South VCM Charge Pump (S. of Sphere)				0	

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:	1-15-79	1-16-79	1-17-79	1-18-79	1-19-79
INSPECTOR:	J Robert	J.R	J.R.	J.R.	J.R.
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge Valve		0		0	
2. Directly Under 741		0		0	
3. 742 Charge Valve		0		0	
4. Directly Under 742		30		0	
5. 743 Charge Valve		0		0	
6. Directly Under 743		0		10	
7. 744 Charge Vlave		0		0	
8. Directly Under 744		0		0	
9. Sweco (Area)		~~120~~ 0		0	
10. Sewer (N of 741)		120		110	
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal		0		0	
2. 741 Condenser Bottom Seal		0		0	
3. 741 Recovery VAlve		0		0	
4. 741 Rinse Water Line		0		0	
5. 742 Lenape Seal		0		0	
6. 742 Condenser Bottom Seal		0		0	
7. 742 Recovery Valve		0		0	
8. 741 Rinse Water Line		0		0	
9. 743 Leanpe Seal		0		0	
10. 743 Condenser Bottom Seal		0		0	

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve		0		0	
12. 743 Rinse Water Line		0		0	
13. 744 Lenape Seal		0		0	
14. 744 Condenser Bottom Seal		0		0	
15. 744 Recovery Valve		0		0	
16. 744 Rinse Water Line		0		0	
17. Steam Jet Exhaust				0	
C. Top of Condensors					
1. 741 Condensor Seal		0		0	
2. 741 Condensor Valve		0		0	
3. 742 Condensor Seal		0		0	
4. 742 Condensor Valve		0		0	
5. 743 Condensor Seal		0		0	
6. 743 Condensor Valve		0		0	
7. 744 Condensor Seal		100		0	
8. 744 Condensor Valve		0		0	
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal		0		0	
2. 901 (South) Vacuum Pump Overflow		0		0	
3. 902 (North) Vacuum Pump Seal		0		0	
4. 902 (North) Vacuum Pump Overflow		0		0	
5. 903 Recovery Compressor SEal		0		0	
6. 903 Recovery Compressor Overflow		0		0	
7. 904 Recovery Compressor Seal		0		0	
8. 904 Recovery Compressor Overflow		0		0	
9. 905 Recovery Compressor Seal		0		0	
10. 905 Recovery Compressor Overflow		0		0	

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)		0		0	
12. East Recovery Condensor (Area)		0		0	
13. West Recovery Condensor (Area)		0		0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)		0		0	
2. East VCM Storage Tank Top (Area)		0		0	
3. Middle VCM Storage Tank Bottom (Area)		0		0	
4. Middle VCM Storage Tank Top (Area)		0		0	
5. West VCM Storage Tank Bottom (Area)		0		0	
6. West VCM Storage Tank Top (Area)		0		0	
7. East (894) Rec. VCM Return Pump Seal		0		0	
8. West (893) Rec. VCM Return Pump Seal		0		0	
9. South (891) Seal Water Separator Pump Seal		0		0	
10. North (892) Seal Water Separator Pump Seal		0		0	
11. Seal Water Filter Pack Head		0		0	
12. East Rec. VCM Charge Pump Seal		0		0	
13. East Rec. VCM Charge Pump Overflow		0		0	
14. West Rec. VCM Charge Pump Seal		0		0	
15. West Rec. VCM Charge Pump Overflow		0		0	
16. Rec. VCM Filter Pack Head		0		0	
17. East Rec. Charge Pump Seal		0		0	
18. East VCM Charge Pump Valve		0		0	
19. West VCM Charge Pump Seal		0		0	

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve		0		0	
21. North Fresh VCM Filter Pack Head		0		0	
22. South Fresh VCM Filter Pack Head		0		0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)			0		
2. Middle VCM Receiver, Bottom (Area)			0		
3. South VCM Receiver, Top (Area)			0		
4. South VCM Receiver, Bottom (Area)			0		
5. 401 Receiver, Top (Area)			0		
6. 401 Receiver, Bottom (Area)			0		
7. VCM Transfer Pump (under South Receiver)			0		
8. East VCM Charge Pump Seal			0		
9. West VCM Charge Pump Seal			0		
10. Rec. VCM Filter Pack Head			0		
11. North, Fresh VCM Filter Pack Head			0		
12. South, Fresh VCM Filter Pack Head			0		
13. Blowdown Tank Relief Vent (Platform)			0		
14. West VCM Return Pump Seal			0		
15. East VCM Return Pump Seal			0		
B. 1st Floor - V-11 (Area)			0		
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal			0		
2. B (West) Vacuum Pump, Seal			0		
3. East Recovery Compressor Seal			0		
4. West Recovery Compressor Seal			0		
5. North Recovery Compressor Seal			0		

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust			0		
2. West Steam Jet Exhaust			30		
3. D-300 Condensor Top Seal			50		
4. D-300 Condensor Bottom Seal			0		
5. D-300 Lenape Manway Seal			0		
6. D-400 Condensor Top Seal			0		
7. D-400 Condensor Bottom Seal			0		
8. D-400 Lenape Manway Seal			0		
9. D-500 Condensor Bottom Seal			0		
10. D-500 Condensor Bottom Seal			0		
11. D-500 Lenape Manway Seal			0		
12. D-600 Condensor Top Seal			40		
13. D-600 Condensor Bottom Seal			0		
14. D-600 Lenape Manway Seal			0		

B. Bottom of Reactors

1. D-300 Dump Valve			0		
2. D-400 Dump Valve			0		
3. D-500 Dump Valve			0		
4. D-600 Dump Valve			0		
5. VCM Charge Manifold Line			0		
6. VCM Charge Manifold Line (Area)			0		
7. Sewer (E. of Reactors)			100		

A

V. VCM Tank Farm

1. #1 Compressor (North)		20	20	50	
2. #2 Compressor		100	100	120	
3. #3 Compressor		Down	100	200	
4. #4 Compressor (South)		550	550	600	
5. Railcar Connection, North Station		Down	100	150	
6. Railcar Connection, Middle Station		50	75	50	
7. Railcar Connection, South Station		220	200	60	
8. North VCM Charge Pump (S. of Sphere)		0	0	0	
9. South VCM Charge Pump (S. of Sphere)		0	0	0	

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:	1-8-79	1-9-79	1-10-79	1-11-79	1-12-7,
INSPECTOR:	J. Roberts	J. Roberts	J.R.	J.R.	J.R.

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve			0		
2. Directly Under 741			0		
3. 742 Charge Valve			0		
4. Directly Under 742			0		
5. 743 Charge Valve			0		
6. Directly Under 743			0		
7. 744 Charge Vlave			0		
8. Directly Under 744			0		
9. Sweco (Area)			~~X~~ 0		
10. Sewer (N of 741)			100		

B. Third Level (Top of Reactors)

1. 741 Lenape Seal			0		
2. 741 Condenser Bottom Seal			0		
3. 741 Recovery VAlve			0		
4. 741 Rinse Water Line			0		
5. 742 Lenape Seal			0		
6. 742 Condenser Bottom Seal			0		
7. 742 Recovery Valve			0		
8. 741 Rinse Water Line			0		
9. 743 Leanpe Seal			0		
10. 743 Condenser Bottom Seal			0		

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve			0		
12. 743 Rinse Water Line			0		
13. 744 Lenape Seal			0		
14. 744 Condenser Bottom Seal			0		
15. 744 Recovery Valve			0		
16. 744 Rinse Water Line			0		
17. Steam Jet Exhaust			0		
18. Water line to spray head - VC leaking there.			500 w/o in per J. Baton		

C. Top of Condensors

1. 741 Condensor Seal			0		
2. 741 Condensor Valve			0		
3. 742 Condensor Seal			0		
4. 742 Condensor Valve			0		
5. 743 Condensor Seal			0		
6. 743 Condensor Valve			0		
7. 744 Condensor Seal			0		
8. 744 Condensor Valve			0		

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal			0		
2. 901 (South) Vacuum Pump Overflow			0		
3. 902 (North) Vacuum Pump Seal			0		
4. 902 (North) Vacuum Pump Overflow			0		
5. 903 Recovery Compressor SEal			0		
6. 903 Recovery Compressor Overflow			0		
7. 904 Recovery Compressor Seal			0		
8. 904 Recovery Compressor Overflow			0		
9. 905 Recovery Compressor Seal			0		
10. 905 Recovery Compressor Overflow			0		

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)			0		
12. East Recovery Condensor (Area)			0		
13. West Recovery Condensor (Area)			0		

B. Ground Level

1. East VCM Storage Tank Bottom (Area)			0		
2. East VCM Storage Tank Top (Area)			0		
3. Middle VCM Storage Tank Bottom (Area)			0		
4. Middle VCM Storage Tank Top (Area)			0		
5. West VCM Storage Tank Bottom (Area)			0		
6. West VCM Storage Tank Top (Area)			0		
7. East (894) Rec. VCM Return Pump Seal			0		
8. West (893) Rec. VCM Return Pump Seal			0		
9. South (891) Seal Water Separator Pump Seal			0		
10. North (892) Seal Water Separator Pump Seal			0		
11. Seal Water Filter Pack Head			0		
12. East Rec. VCM Charge Pump Seal			0		
13. East Rec. VCM Charge Pump Overflow			0		
14. West Rec. VCM Charge Pump Seal			0		
15. West Rec. VCM Charge Pump Overflow			0		
16. Rec. VCM Filter Pack Head			0		
17. East Rec. Charge Pump Seal			0		
18. East VCM Charge Pump Valve			0		
19. West VCM Charge Pump Seal			0		

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve			0		
21. North Fresh VCM Filter Pack Head			0		
22. South Fresh VCM Filter Pack Head			0		

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)			0	0	
2. Middle VCM Receiver, Bottom (Area)			0	0	
3. South VCM Receiver, Top (Area)			0	0	
4. South VCM Receiver, Bottom (Area)			0	0	
5. 401 Receiver, Top (Area)			0	0	
6. 401 Receiver, Bottom (Area)			0	0	
7. VCM Transfer Pump (under South Receiver)			0	0	
8. East VCM Charge Pump Seal			0	0	
9. West VCM Charge Pump Seal			0	0	
10. Rec. VCM Filter Pack Head			0	0	
11. North, Fresh VCM Filter Pack Head			0	0	
12. South, Fresh VCM Filter Pack Head			0	0	
13. Blowdown Tank Relief Vent (Platform)			0	0	
14. West VCM Return Pump Seal			0	0	
15. East VCM Return Pump Seal			0	0	
B. 1st Floor - V-11 (Area)			0	0	
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal			0	0	
2. B (West) Vacuum Pump, Seal			0	0	
3. East Recovery Compressor Seal			0	100	
4. West Recovery Compressor Seal			0	0	
5. North Recovery Compressor Seal			0	0	

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust				0	
2. West Steam Jet Exhaust				0	
3. D-300 Condensor Top Seal			0	0	
4. D-300 Condensor Bottom Seal			0	150	
5. D-300 Lenape Manway Seal			0	0	
6. D-400 Condensor Top Seal			Down	0	
7. D-400 Condensor Bottom Seal			Down	0	
8. D-400 Lenape Manway Seal			Down	0	
9. D-500 Condensor Bottom Seal			0	0	
10. D-500 Condensor Bottom Seal			0	0	
11. D-500 Lenape Manway Seal			0	0	
12. D-600 Condensor Top Seal			0	0	
13. D-600 Condensor Bottom Seal			0	0	
14. D-600 Lenape Manway Seal			0	0	

B. Bottom of Reactors

1. D-300 Dump Valve			0	0	
2. D-400 Dump Valve			0	0	
3. D-500 Dump Valve			0	0	
4. D-600 Dump Valve			0	0	
5. VCM Charge Manifold Line			0	0	
6. VCM Charge Manifold Line (Area)			0	0	
7. Sewer (E. of Reactors)			50	150	

A

V. VCM Tank Farm

1. #1 Compressor (North)	500		Taken out!	Taken out!	Taken
2. #2 Compressor	100		70	100	150
3. #3 Compressor	200		150	225	200
4. #4 Compressor (South)	500		500	800	700
5. Railcar Connection, North Station	100		Note: figured liner broken	200	200
6. Railcar Connection, Middle Station	100		1000	400	200
7. Railcar Connection, South Station	100		1000	Not being used.	0
8. North VCM Charge Pump (S. of Sphere)	0		0	0	0
9. South VCM Charge Pump (S. of Sphere)	0		0	0	0

1-10-79
Note liners to be changed out - per Dean Honeycutt
Will not unload from these two stations until liner are change out.
w/o written

1-11-79
Valves leaking vc ~~to~~ ~~and~~ west of rail-road track. Discussed with Dean Honeycutt.

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:	1-2-79	1-3-79	1-4-79	1-5-79	
INSPECTOR:	J. Robert	J.R.	J.R.	J.R.	

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve				0	
2. Directly Under 741				0	
3. 742 Charge Valve				0	
4. Directly Under 742				0	
5. 743 Charge Valve				0	
6. Directly Under 743				0	
7. 744 Charge Vlave				0	
8. Directly Under 744				0	
9. Sweco (Area)				0	
10. Sewer (N of 741)				400	

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					
2. 741 Condenser Bottom Seal					
3. 741 Recovery VAlve					
4. 741 Rinse Water Line					
5. 742 Lenape Seal					
6. 742 Condenser Bottom Seal					
7. 742 Recovery Valve					
8. 741 Rinse Water Line					
9. 743 Leanpe Seal					
10. 743 Condenser Bottom Seal					

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					
12. 743 Rinse Water Line					
13. 744 Lenape Seal					
14. 744 Condenser Bottom Seal					
15. 744 Recovery Valve					
16. 744 Rinse Water Line					
17. Steam Jet Exhaust					

C. Top of Condensors

1. 741 Condensor Seal					
2. 741 Condensor Valve					
3. 742 Condensor Seal					
4. 742 Condensor Valve					
5. 743 Condensor Seal					
6. 743 Condensor Valve					
7. 744 Condensor Seal					
8. 744 Condensor Valve					

II New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal				0	
2. 901 (South) Vacuum Pump Overflow				0	
3. 902 (North) Vacuum Pump Seal				0	
4. 902 (North) Vacuum Pump Overflow				0	
5. 903 Recovery Compressor SEal				0	
6. 903 Recovery Compressor Overflow				0	
7. 904 Recovery Compressor Seal				0	
8. 904 Recovery Compressor Overflow				0	
9. 905 Recovery Compressor Seal				0	
10. 905 Recovery Compressor Overflow				0	

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					
12. East Recovery Condensor (Area)				0	
13. West Recovery Condensor (Area)				0	

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					
2. East VCM Storage Tank Top (Area)					
3. Middle VCM Storage Tank Bottom (Area)					
4. Middle VCM Storage Tank Top (Area)					
5. West VCM Storage Tank Bottom (Area)					
6. West VCM Storage Tank Top (Area)					
7. East (894) Rec. VCM Return Pump Seal					
8. West (893) Rec. VCM Return Pump Seal					
9. South (891) Seal Water Separator Pump Seal					
10. North (892) Seal Water Separator Pump Seal					
11. Seal Water Filter Pack Head				0	
12. East Rec. VCM Charge Pump Seal				0	
13. East Rec. VCM Charge Pump Overflow				0	
14. West Rec. VCM Charge Pump Seal				0	
15. West Rec. VCM Charge Pump Overflow				0	
16. Rec. VCM Filter Pack Head				0	
17. East Rec. Charge Pump Seal				0	
18. East VCM Charge Pump Valve				0	
19. West VCM Charge Pump Seal				0	

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve				0	
21. North Fresh VCM Filter Pack Head				0	
22. South Fresh VCM Filter Pack Head				0	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)	0		0		
2. Middle VCM Receiver, Bottom (Area)	0		0		
3. South VCM Receiver, Top (Area)	0		0		
4. South VCM Receiver, Bottom (Area)	0		0		
5. 401 Receiver, Top (Area)	0		0		
6. 401 Receiver, Bottom (Area)	0		0		
7. VCM Transfer Pump (under South Receiver)	0		0		
8. East VCM Charge Pump Seal	0		0	300	
9. West VCM Charge Pump Seal	0		0	0	
10. Rec. VCM Filter Pack Head	0		0	0	
11. North, Fresh VCM Filter Pack Head	0		0	0	
12. South, Fresh VCM Filter Pack Head	0		0	0	
13. Blowdown Tank Relief Vent (Platform)	0		0		
14. West VCM Return Pump Seal	0		0		
15. East VCM Return Pump Seal	0		0		
B. 1st Floor - V-11 (Area)	0		0		
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal	0		0		
2. B (West) Vacuum Pump, Seal	0		0		
3. East Recovery Compressor Seal	0		0		
4. West Recovery Compressor Seal	0		0		
5. North Recovery Compressor Seal	0		0		

VAB.0001082149

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1.	East Steam Jet Exhaust	0				
2.	West Steam Jet Exhaust	0				
3.	D-300 Condensor Top Seal	0		0		
4.	D-300 Condensor Bottom Seal	0		0		
5.	D-300 Lenape Manway Seal	0		0		
6.	D-400 Condensor Top Seal	0		0		
7.	D-400 Condensor Bottom Seal	0		0		
8.	D-400 Lenape Manway Seal	0		0		
9.	D-500 Condensor Bottom Seal	0		0		
10.	D-500 Condensor Bottom Seal	0		0		
11.	D-500 Lenape Manway Seal	0		0		
12.	D-600 Condensor Top Seal	0		0		
13.	D-600 Condensor Bottom Seal	0		0		
14.	D-600 Lenape Manway Seal	0		0		

Dain

B. Bottom of Reactors

1.	D-300 Dump Valve	0		0		
2.	D-400 Dump Valve	Dain		0		
3.	D-500 Dump Valve	0		0		
4.	D-600 Dump Valve	0		0		
5.	VCM Charge Manifold Line	0		0		
6.	VCM Charge Manifold Line (Area)	0		0		
7.	Sewer (E. of Reactors)	100.		200 500	400 500	

Fold of Baxter

V VCM Tank Farm

1. #1 Compressor (North)	30	500	700	700	
2. #2 Compressor	150	400	400	200	
3. #3 Compressor	500	500	500	200	
4. #4 Compressor (South)	150	550	600	200	
5. Railcar Connection, North Station	0	200	300	600	
6. Railcar Connection, Middle Station	0	200	200	500	
7. Railcar Connection, South Station	0	100	200	100	
8. North VCM Charge Pump (S. of Sphere)	0		0	0	
9. South VCM Charge Pump (S. of Sphere)	0		0		

Jerry Roberts

LEAK PATROL SURVEY

DATE:	12-8-80				
INSPECTOR:	AMJ				
LOCATION:	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge valve	0				
2. Directly Under 741	0				
3. 742 Charge Valve	0				
4. Directly Under 742	0				
5. 743 Charge Valve	0				
6. Directly Under 743	0				
7. 744 Charge Valve	0				
8. Directly Under 744	0				
9. SWECO (AREA)	0				
10. SEWER (N. of 741)	0				
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal	50 (TAG #3)				
2. 741 Condenser Bottom Seal	0				
3. 741 Recovery Valve	0				
4. 741 Rinse Water Line	0				
5. 742 Lenape Seal	0				
6. 742 Condenser Bottom Seal	0				
7. 742 Recovery Valve	0				
8. 741 Rinse Water Line	0				
9. 743 Lenape Seal	DOWN				
10. 743 Condenser Bottom Seal	"				

	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
B. Third Level (Top of Reactors) (Cont.)					
11. 743 Recovery Valve	DOWN				
12. 743 Rinse Water Line	"				
13. 744 Lenape Seal	"				
14. 744 Condenser Bottom Seal	"				
15. 744 Recovery Valve	"				
16. 744 Rinse Water Line	"				
C. Top of Condensors					
1. 741 Condenser Seal	0				
2. 741 Condenser Valve	200				
3. 742 Condenser Seal	0				
4. 742 Condenser Valve	0				
5. 743 Condenser Seal	DOWN				
6. 743 Condenser Valve	"				
7. 744 Condenser Seal	"				
8. 744 Condenser Valve	"				
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal	0				
2. 901 (South) Vacuum Pump Overflow	0				
3. 902 (North) Vacuum Pump Seal	0				
4. 902 (North) Vacuum Pump Overflow	0				
5. 903 Recover Compressor Seal	0				
6. 903 Recovery Compressor Overflow	0				
7. 904 Recovery Compressor Seal	0				
8. 904 Recovery Compressor Overflow	0				
9. 905 Recovery Compressor Seal	0				
10. 905 Recovery Compressor Overflow	0				

II. New Reactor Area - Recovery Unit	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
A. 2nd Floor (Cont.)					
11. VCM Collection Tank (Area)	0				
12. East Recovery Condenser (Area)	200	(TAG #4)			
13. West Recovery Condenser (Area)	0				
B. Ground Level					
1. East VCM Storage Tank Bottom (Area)	0				
2. East VCM Storage Tank Top (Area)	0				
3. Middle VCM Storage Tank Bottom (Area)	0				
4. Middle VCM Storage Tank Top (Area)	0				
5. West VCM Storage Tank Bottom (Area)	0				
6. West VCM Storage Tank Top (Area)	0				
7. East (394) Rec. VCM Return Pump Seal	0				
8. West (393) Rec. VCM Return Pump Seal	0				
9. South (891) Seal Water Separator Pump Seal	0				
10. North (892) Seal Water Separator Pump Seal	0				
11. Seal Water Filter Pack Head	0				
12. East Rec. VCM Charge Pump Seal	0				
13. East Rec. VCM Charge Pump Overflow	0				
14. West Rec. VCM Charge Pump Seal	0				
15. West Rec. VCM Charge Pump Overflow	0				
16. Rec. VCM Filter Pack Head	20				
17. East Rec. Charge Pump Seal	0				
18. East VCM Charge Pump Valve	0				
19. West VCM Charge Pump Seal	0				

	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
II. New Reactor Area - Recovery Unit					
B. Ground Level (Cont.)					
20. West VCM Charge Pump Valve	0				
21. North Fresh VCM Filter Pack Head	0				
22. South Fresh VCM Filter Pack Head	0				
III. Old Reactor Area - Recovery					
A. Area West of V-11					
1. Middle VCM Receiver, Top (Area)	0				
2. Middle VCM Receiver, Bottom (Area)	0				
3. South VCM Receiver, Top (Area)	0				
4. South VCM Receiver, Bottom (Area)	0				
5. 401 Receiver, Top (Area)	0				
6. 401 Receiver, Bottom (Area)	0				
7. VCM Transfer Pump (Under South Receiver)	0				
8. East VCM Charge Pump Seal	0				
9. West VCM Charge Pump Seal	0				
10. Rec. VCM Filter Pack Head	0				
11. North, Fresh VCM Filter Pack Head	70	(TAG #2)			
12. South, Fresh VCM Filter Pack Head	0				
13. Blowdown Tank Relief Vent (Platform)	0				
14. West VCM Return Pump Seal	0				
15. East VCM Return Pump Seal	0				
B. 1st Floor - V-11 (Area)	0				
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal	40				
2. B (West) Vacuum Pump, Seal	0				
3. East Recovery Compressor Seal	0				
4. West Recovery Compressor Seal	0				
5. North Recovery Compressor Seal	0				

IV. Old Reactor Area - Reactor Module	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
A. Top of Reactors					
1. East Steam Jet Exhaust	0				
2. West Steam Jet Exhaust	0				
3. D-300 Condenser Top Seal	DOWN				
4. D-300 Condenser Bottom Seal	"				
5. D-300 Lenape Manway Seal	"				
6. D-400 Condenser Top Seal	0				
7. D-400 Condenser Bottom Seal	0				
8. D-400 Lenape Manway Seal	0				
9. D-500 Condenser Top Seal	0				
10. D-500 Condenser Bottom Seal	0				
11. D-500 Lenape Manway Seal	30				
12. D-600 Condenser Top Seal	50	(TAG # 1)			
13. D-600 Condenser Bottom Seal	0				
14. D-600 Lenape Manway Seal	0				
B. Bottom of Reactors					
1. D-300 Dump Valve	0				
2. D-400 Dump Valve	0				
3. D-500 Dump Valve	0				
4. D-600 Dump Valve	0				
5. VCM Charge Manifold Line (Area)	0				
6. VCM Charge Manifold Line	0				
7. SEWER (E. of REACTORS)	400				

V. VCM Tank Farm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm	Conc. ppm
1. #1 Compressor (North)	20				
2. #2 Compressor	40				
3. #3 Compressor	300				
4. #4 Compressor (South)	20				
5. Railcar Connection, North Station	NO CARS HOOKED UP				
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)	0				
9. South VCM Charge Pump (S. of Sphere)	0				

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 1-29-81

INSPECTOR: Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
10. Sewer (N of 741)					60

B. Third Level (Top of Reactors)

1. 741 Lenape Seal				R was recovery with in 5 mins. after checked.	1000
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					Didn't check
2. 741 Condensor Valve					"
3. 742 Condensor Seal					Didn't check
4. 742 Condensor Valve					"
5. 743 Condensor Seal					110
6. 743 Condensor Valve					0
7. 744 Condensor Seal					105
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)				0	
2. Middle VCM Receiver, Bottom (Area)				0	
3. South VCM Receiver, Top (Area)				0	
4. South VCM Receiver, Bottom (Area)				0	
5. 401 Receiver, Top (Area)				0	
6. 401 Receiver, Bottom (Area)				0	
VCM Transfer Pump (under South Receiver)				0	
8. East VCM Charge Pump Seal				0	
9. West VCM Charge Pump Seal				0	
10. Rec. VCM Filter Pack Head				0	
11. North, Fresh VCM Filter Pack Head				0	
12. South, Fresh VCM Filter Pack Head				0	
13. Blowdown Tank Relief Vent (Platform)				0	
14. West VCM Return Pump Seal				0	
15. East VCM Return Pump Seal				0	
B. 1st Floor - V-11 (Area)				0	
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal				0	
2. B (West) Vacuum Pump, Seal				0	
3. East Recovery Compressor Seal				0	
4. West Recovery Compressor Seal				0	
5. North Recovery Compressor Seal				0	

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust				0	
2. West Steam Jet Exhaust				0	
3. D-300 Condensor Top Seal				0	
4. D-300 Condensor Bottom Seal				0	
5. D-300 Lenape Manway Seal				0	
6. D-400 Condensor Top Seal				110	
7. D-400 Condensor Bottom Seal				0	
8. D-400 Lenape Manway Seal				0	
9. D-500 Condensor Bottom Seal				0	
10. D-500 Condensor Bottom Seal				0	
11. D-500 Lenape Manway Seal				0	
D-500 Recovery Valve Top of RX				215	
12. D-600 Condensor Top Seal				0	
13. D-600 Condensor Bottom Seal				0	
14. D-600 Lenape Manway Seal				0	

B. Bottom of Reactors

1. D-300 Dump Valve				0	
2. D-400 Dump Valve				0	
3. D-500 Dump Valve				0	
4. D-600 Dump Valve				0	
5. VCM Charge Manifold Line				0	
6. VCM Charge Manifold Line (Area)				0	
7. Sewer (E. of Reactors)				90	

V. VCM Tank Farm

1. #1 Compressor (North)				60	
2. #2 Compressor				60	
3. #3 Compressor				110	
4. #4 Compressor (South)				100	
5. Railcar Connection, North Station				80	
6. Railcar Connection, Middle Station				80	
7. Railcar Connection, South Station				120	
8. North VCM Charge Pump (S. of Sphere)				0	
9. South VCM Charge Pump (S. of Sphere)				0	

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					2-6-81
INSPECTOR:					Jerry Robert
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
10. Sewer (N of 741)					200
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
743 3" Vent line (valve stem)					135
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					90
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					95
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
Suction valve on West VCM pump					240 I.D.
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0

B. 1st Floor - V-11 (Area) 0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					100
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					50
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
7. Sewer (E. of Reactors)					0

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					80
3. #3 Compressor					90
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					50
6. Railcar Connection, Middle Station					100
7. Railcar Connection, South Station					110
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					220

L.D.

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					2-13-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
10. Sewer (N of 741)					200

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					110
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					90
6. 743 Condensor Valve					0
7. 744 Condensor Seal					105
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					205
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
D-500 Recovery Valve stem					220
12. D-600 Condensor Top Seal					140
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
7. Sewer (E. of Reactors)					165

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					Down
3. #3 Compressor					150
4. #4 Compressor (South)					110
5. Railcar Connection, North Station					150
6. Railcar Connection, Middle Station					360
7. Railcar Connection, South Station					350
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					375

Leak Det. form in

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					1-20-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					280
17. Steam Jet Exhaust					I.D. 0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					220
6. 743 Condensor Valve					I.D. 0
7. 744 Condensor Seal					120
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					Taken
10. 905 Recovery Compressor Overflow					out

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					out maint.
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					110

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					180
12. South, Fresh VCM Filter Pack Head					190
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
A East - Flange or comp. leaking					110
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
D-300 Safety Disc					180
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
D-500 Rec. Valve					110
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)					120
2. #2 Compressor					0
3. #3 Compressor					125
4. #4 Compressor (South)					140
5. Railcar Connection, North Station					Not Used
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					2000+

L.D.

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					2-27-81
INSPECTOR:					J. Robaste

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					125
6. 743 Condensor Valve					0
7. 744 Condensor Seal					110
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					60
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					90
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					110
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal				Down for maint	
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					out

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A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					20100+
5. D-300 Lenape Manway Seal					I. D. 0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal D-500 Rec. valve stem					0 220
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					0
3. #3 Compressor					120 L.D.
4. #4 Compressor (South)					120
5. Railcar Connection, North Station				West tank 200	East tank 120
6. Railcar Connection, Middle Station				120	200 110
7. Railcar Connection, South Station				200	
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 3-6-81

INSPECTOR: J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					220
8. 744 Condensor Valve					0
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					Taken out
6. 903 Recovery Compressor Overflow					
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					105

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					out for maint
9. West VCM Charge Pump Seal, West VCM suction Valve stem					0
10. Rec. VCM Filter Pack Head					180
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					80
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					80
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					110
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					205
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					60
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					60
2. #2 Compressor					110
3. #3 Compressor					400 I.D.
4. #4 Compressor (South)					2000+ I.D
5. Railcar Connection, North Station					No Car hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					3-20-81
INSPECTOR:					Jerry Rabbit

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					3ro
4. 741 Rinse Water Line					J.D. 0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line 744 Kem-Wash line (valve stem)					0 28 I.D.
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					210 I.D
6. 743 Condensor Valve					80
7. 744 Condensor Seal					105
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					{Taken
6. 903 Recovery Compressor Overflow					out
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					200
22. South Fresh VCM Filter Pack Head					I.D. 0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
North of VCM filter pack (Bottom)					160
11. North, Fresh VCM Filter Pack Head					0
Safety disc above filter pack.					60
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					Down for maint
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					700
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					90
" " " " Rec. valve stem					110
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					210
3. #3 Compressor					0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No cars hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					3-27-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					280 I.D.
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					210
6. 743 Condensor Valve					0
7. 744 Condensor Seal					200
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal				Taken out	0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					110
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					150
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					65
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal D-500 Recovery value					110 205
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					105
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					12.5
2. #2 Compressor					0
3. #3 Compressor					59.8
4. #4 Compressor (South)					F.D.
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					No car hooked up.
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					
9. South VCM Charge Pump (S. of Sphere)					

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					4-3-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					205 L.D.
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					90
6. 743 Condensor Valve					0
7. 744 Condensor Seal					110
8. 744 Condensor Valve					0
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal	Taken out				—
6. 903 Recovery Compressor Overflow					—
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head Valve, North VCM filter pack (bottom side)					0 220 L.D.
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					0
10. D-500 Condensor Bottom Seal (D-500 Rec. value)					16.0 0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					60
2. #2 Compressor					75
3. #3 Compressor					200
4. #4 Compressor (South)					L.D 0
5. Railcar Connection, North Station					No car hooked up.
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

VCM LEAK SURVEY

-VINYL AREA-

DATE:					4-10-81
INSPECTOR:					J. Rabate

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					90
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					60
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					110 7.0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					60
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					90
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve Valve stem					80
21. North Fresh VCM Filter Pack Head					110
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					90
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082214

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					60
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					50
2. #2 Compressor					200 J.D
3. #3 Compressor					190 J.D
4. #4 Compressor (South)					170 J.D
5. Railcar Connection, North Station					220
6. Railcar Connection, Middle Station					100
7. Railcar Connection, South Station					200
8. North VCM Charge Pump (S. of Sphere)					
9. South VCM Charge Pump (S. of Sphere)					

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					4-16-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					60
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					60
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					60
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					80
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					~~200~~ 20
8. 744 Condensor Valve					[redacted] 0 [redacted]

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					80
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					60
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0004082220

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					~~300~~ L.D
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					80
2. #2 Compressor					0
3. #3 Compressor					105
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No car loading
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 4-24-81

INSPECTOR: J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

Note 743 RX down for maint. Drilling cond. out.

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					60
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					20
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					25
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal				Taken out.	
6. 903 Recovery Compressor Overflow					
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					110 F.D.

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082226

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					60
12. D-600 Condensor Top Seal					210
13. D-600 Condensor Bottom Seal					7.D 0
14. D-600 Lenape Manway Seal					80

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)					Down for contractor
2. #2 Compressor					
3. #3 Compressor					
4. #4 Compressor (South)					
5. Railcar Connection, North Station					
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					5-1-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					110
4. 741 Rinse Water Line					I.D. 0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					100 L.D.
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal				Taken off	
6. 903 Recovery Compressor Overflow					
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					80

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					125
13. Blowdown Tank Relief Vent (Platform)					I.D. 0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					110
6. D-400 Condensor Top Seal					120
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					110
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)					80
2. #2 Compressor					60
3. #3 Compressor					190
4. #4 Compressor (South)					20 50
5. Railcar Connection, North Station					No cars hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					1-18-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					X

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					45
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0 F.D.
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					5/5
22. South Fresh VCM Filter Pack Head					1/0 I.D.

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal West VCM discharge valve stem					1/0 I.D.
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					9/0 I.D.
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0

B. 1st Floor - V-11 (Area) 0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					155 L.D.
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					105 L.D

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					X

A

V. VCM Tank Farm

1. #1 Compressor (North)					40
2. #2 Compressor					0
3. #3 Compressor					40 L.D.
4. #4 Compressor (South)					40 L.D.
5. Railcar Connection, North Station					Not Con Rodeff.
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

Note old unit (RX) down.

DATE:					1-8-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					40
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					110 I.D.
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

VAB.0001082244

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust	_____	_____	_____	_____	_____
2. West Steam Jet Exhaust	_____	_____	_____	_____	_____
3. D-300 Condensor Top Seal	_____	_____	_____	_____	_____
4. D-300 Condensor Bottom Seal	_____	_____	_____	_____	_____
5. D-300 Lenape Manway Seal	_____	_____	_____	_____	_____
6. D-400 Condensor Top Seal	_____	_____	_____	_____	_____
7. D-400 Condensor Bottom Seal	_____	_____	_____	_____	_____
8. D-400 Lenape Manway Seal	_____	_____	_____	_____	_____
9. D-500 Condensor Bottom Seal	_____	_____	_____	_____	_____
10. D-500 Condensor Bottom Seal	_____	_____	_____	_____	_____
11. D-500 Lenape Manway Seal	_____	_____	_____	_____	_____
12. D-600 Condensor Top Seal	_____	_____	_____	_____	_____
13. D-600 Condensor Bottom Seal	_____	_____	_____	_____	_____
14. D-600 Lenape Manway Seal	_____	_____	_____	_____	_____

B. Bottom of Reactors

1. D-300 Dump Valve	_____	_____	_____	_____	_____
2. D-400 Dump Valve	_____	_____	_____	_____	_____
3. D-500 Dump Valve	_____	_____	_____	_____	_____
4. D-600 Dump Valve	_____	_____	_____	_____	_____
5. VCM Charge Manifold Line	_____	_____	_____	_____	_____
6. VCM Charge Manifold Line (Area)	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					80 J.D.
3. #3 Compressor					205 J.D.
4. #4 Compressor (South)					55 J.D.
5. Railcar Connection, North Station					[illegible]
6. Railcar Connection, Middle Station					[illegible]
7. Railcar Connection, South Station					[illegible]
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					12-11-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reacto Area - Reactor Module

A. Ground Level

1. 74 Charge Valve					0
2. Di ectly Under 741					0
3. 74 Charge Valve					0
4. Di ectly Under 742					0
5. 74 Charge Valve					0
6. Di ectly Under 743					0
7. 74 Charge Vlave					0
8. Di ectly Under 744					0
9. Sw co (Area)					0
					0

B. Third evel (Top of Reactors)

1. 741 Lenape Seal					180 L.D.
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 743 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					4u
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					200 F.D.
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					90 F.D.
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

Note old RX unit is down.

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust	_____	_____	_____	_____	_____
2. West Steam Jet Exhaust	_____	_____	_____	_____	_____
3. D-300 Condensor Top Seal	_____	_____	_____	_____	_____
4. D-300 Condensor Bottom Seal	_____	_____	_____	_____	_____
5. D-300 Lenape Manway Seal	_____	_____	_____	_____	_____
6. D-400 Condensor Top Seal	_____	_____	_____	_____	_____
7. D-400 Condensor Bottom Seal	_____	_____	_____	_____	_____
8. D-400 Lenape Manway Seal	_____	_____	_____	_____	_____
9. D-500 Condensor Bottom Seal	_____	_____	_____	_____	_____
10. D-500 Condensor Bottom Seal	_____	_____	_____	_____	_____
11. D-500 Lenape Manway Seal	_____	_____	_____	_____	_____
12. D-600 Condensor Top Seal	_____	_____	_____	_____	_____
13. D-600 Condensor Bottom Seal	_____	_____	_____	_____	_____
14. D-600 Lenape Manway Seal	_____	_____	_____	_____	_____

B. Bottom of Reactors

1. D-300 Dump Valve	_____	_____	_____	_____	_____
2. D-400 Dump Valve	_____	_____	_____	_____	_____
3. D-500 Dump Valve	_____	_____	_____	_____	_____
4. D-600 Dump Valve	_____	_____	_____	_____	_____
5. VCM Charge Manifold Line	_____	_____	_____	_____	_____
6. VCM Charge Manifold Line (Area)	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____

V. VCM Tank Farm

1. #1 Compressor (North)	____	____	____	____	200 J.D
2. #2 Compressor	____	____	____	____	125 J.D
3. #3 Compressor	____	____	____	____	190 J.D
4. #4 Compressor (South)	____	____	____	____	125 J.D
5. Railcar Connection, North Station	____	____	____	____	No part Required
6. Railcar Connection, Middle Station	____	____	____	____	
7. Railcar Connection, South Station	____	____	____	____	
8. North VCM Charge Pump (S. of Sphere)	____	____	____	____	0
9. South VCM Charge Pump (S. of Sphere)	____	____	____	____	0

A

Note
J. D.
Leak Detection
To be given to vinyl + yard supvs.

VCM LEAK SURVEY

-VINYL AREA-

DATE:					11-25-81
INSPECTOR:					J. Roberts
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal					150 J.D.
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 743 Rinse Water Line					0
9. 743 Leanpe Seal					180 J.D
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					180
14. 744 Condenser Bottom Seal					I.D 0
15. 744 Recovery Valve 744 chem wash valve stem leaking					0
16. 744 Rinse Water Line					110 I.D 0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					210 I.D
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

old unit is down

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust	____	____	____	____	____
2. West Steam Jet Exhaust	____	____	____	____	____
3. D-300 Condensor Top Seal	____	____	____	____	____
4. D-300 Condensor Bottom Seal	____	____	____	____	____
5. D-300 Lenape Manway Seal	____	____	____	____	____
6. D-400 Condensor Top Seal	____	____	____	____	____
7. D-400 Condensor Bottom Seal	____	____	____	____	____
8. D-400 Lenape Manway Seal	____	____	____	____	____
9. D-500 Condensor Bottom Seal	____	____	____	____	____
10. D-500 Condensor Bottom Seal	____	____	____	____	____
11. D-500 Lenape Manway Seal	____	____	____	____	____
12. D-600 Condensor Top Seal	____	____	____	____	____
13. D-600 Condensor Bottom Seal	____	____	____	____	____
14. D-600 Lenape Manway Seal	____	____	____	____	____

B. Bottom of Reactors

1. D-300 Dump Valve	____	____	____	____	____
2. D-400 Dump Valve	____	____	____	____	____
3. D-500 Dump Valve	____	____	____	____	____
4. D-600 Dump Valve	____	____	____	____	____
5. VCM Charge Manifold Line	____	____	____	____	____
6. VCM Charge Manifold Line (Area)	____	____	____	____	____
	____	____	____	____	____

V. VCM Tank Farm

1. #1 Compressor (North)					240 I.D.
2. #2 Compressor					225 I.D.
3. #3 Compressor					0
4. #4 Compressor (South)					220 I.D.
5. Railcar Connection, North Station					
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

742 + 743 Rx's were down

DATE:					11-16-81
INSPECTOR:					J. Roberts
LOCATION:					
I. New Reactor Area - Reactor Module					
A. Ground Level					
1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
B. Third Level (Top of Reactors)					
1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal Flanges on west of 902 vac. pump leaking.					0 200 g.p.
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Down

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
" VCM discharge valve (stem)					1/2 D.
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					
" " " discharge valve (stem)					1/2 D
12. South, Fresh VCM Filter Pack Head					Down
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					100
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					215 J.D
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					45

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					110
2. #2 Compressor					125
3. #3 Compressor					0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					100
6. Railcar Connection, Middle Station					350
7. Railcar Connection, South Station					0
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 10-13-81

INSPECTOR: Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve	0
2. Directly Under 741	0
3. 742 Charge Valve	0
4. Directly Under 742	0
5. 743 Charge Valve	0
6. Directly Under 743	0
7. 744 Charge Vlave	0
8. Directly Under 744	0
9. Sweco (Area)	0
10 Bolthead off sewco	1000 J.D

B. Third Level (Top of Reactors)

1. 741 Lenape Seal	0
2. 741 Condenser Bottom Seal	0
3. 741 Recovery VAlve	0
4. 741 Rinse Water Line	0
5. 742 Lenape Seal	0
6. 742 Condenser Bottom Seal	0
7. 742 Recovery Valve	0
8. 741 Rinse Water Line	0
9. 743 Leanpe Seal	0
10. 743 Condenser Bottom Seal	0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve 744 chem v ent valve stem					0 75 P.D.
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Have been taken out.

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					Down for maint.
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
" " " Discharge Valve stem					100 L.D.
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					225 ~~F.D~~
4. D-300 Condensor Bottom Seal D-300 Recovery valve stem					0 300 F.D
5. D-300 Lenape Manway Seal					110 F.D
6. D-400 Condensor Top Seal					200 F.D
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal D-500 Recovery valve stem					0 135 F.D.
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					150 I.D.
2. #2 Compressor					200 I.D
3. #3 Compressor					200 I.D
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					0
7. Railcar Connection, South Station					0
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

Note - South unloading station East side, vapor line leaking.

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 10-9-81

INSPECTOR: Jerry Robert

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					900 F.D
10. 743 Condenser Bottom Seal					0
743 3" Vent line Valve stem					150 F.D

					A
B. Third Level (Top of Reactors) (Cont.)					
11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					40
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line Top of condenser					~~100~~ F.D
17. Steam Jet Exhaust					~~2000+~~ F.D
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					[redacted]
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					[illegible]
4. 902 (North) Vacuum Pump Overflow					[illegible]
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					[illegible]
8. 904 Recovery Compressor Overflow					[illegible]
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0
14. South K/O Tank					400 L.D

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					50
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Taken out of service

III. Old Reactor Area - Recovery

Note old Rx's unit down

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					
2. West Steam Jet Exhaust					
3. D-300 Condensor Top Seal					
4. D-300 Condensor Bottom Seal					
5. D-300 Lenape Manway Seal					
6. D-400 Condensor Top Seal					
7. D-400 Condensor Bottom Seal					
8. D-400 Lenape Manway Seal					
9. D-500 Condensor Bottom Seal					
10. D-500 Condensor Bottom Seal					
11. D-500 Lenape Manway Seal					
12. D-600 Condensor Top Seal					
13. D-600 Condensor Bottom Seal					
14. D-600 Lenape Manway Seal					

B. Bottom of Reactors

1. D-300 Dump Valve					
2. D-400 Dump Valve					
3. D-500 Dump Valve					
4. D-600 Dump Valve					
5. VCM Charge Manifold Line					
6. VCM Charge Manifold Line (Area)					

Down for contraction

V. VCM Tank Farm

1. #1 Compressor (North)	____	____	____	____	____
2. #2 Compressor	____	____	____	____	____
3. #3 Compressor	____	____	____	____	____
4. #4 Compressor (South)	____	____	____	____	____
5. Railcar Connection, North Station	____	____	____	____	____
6. Railcar Connection, Middle Station	____	____	____	____	____
7. Railcar Connection, South Station	____	____	____	____	____
8. North VCM Charge Pump (S. of Sphere)	____	____	____	____	____
9. South VCM Charge Pump (S. of Sphere)	____	____	____	____	____

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					5-8-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					110
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					80
14. 744 Condenser Bottom Seal					0
744 3" vent valve stem					192.0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					50
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal		Taken out.			
10. 905 Recovery Compressor Overflow					

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)				Being cleaned	
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					50
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					60
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					60
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					50

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					Down
2. #2 Compressor					
3. #3 Compressor					
4. #4 Compressor (South)					
5. Railcar Connection, North Station					No gas hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

Contractors working just North of comp. shed.

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					5-15-81
INSPECTOR:					Jerry Rabate

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					50
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					65
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					80
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					60
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal } Taken out					
10. 905 Recovery Compressor Overflow } Taken out					

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					60
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0

B. 1st Floor - V-11 (Area) 0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082286

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					100 F.D.
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					Down for maint.
2. #2 Compressor					60
3. #3 Compressor					240 L.D.
4. #4 Compressor (South)					600 L.D.
5. Railcar Connection, North Station					No car loaded up.
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					5-22-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					40
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					60
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					70

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					50
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082292

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					60
9. D-500 Condensor ~~Bottom~~ Top Seal					80
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)					60
2. #2 Compressor					50
3. #3 Compressor					110
4. #4 Compressor (South)					L.D 50
5. Railcar Connection, North Station					No car hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					5-29-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

Note 742RX down for maint. changing out gear box.

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					100
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. ~~741~~ 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal	Taken out				
10. 905 Recovery Compressor Overflow					

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					45
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.000082298

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					50
2. West Steam Jet Exhaust					65
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					105
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					40
2. #2 Compressor					140 J.D.
3. #3 Compressor					240 J.D.
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No Data
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					6-5-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					40
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. ~~743~~ 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					60
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					80
8. 744 Condensor Valve					

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal	Taken out				
10. 905 Recovery Compressor Overflow					

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					45
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					80
2. #2 Compressor					0
3. #3 Compressor					60
4. #4 Compressor (South)					25
5. Railcar Connection, North Station					No tank hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					6-26-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. ~~741~~ 742 Rinse Water Line					0
9. 743 Leanpe Seal					100
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					110
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					150
2. 741 Condensor Valve					I.D. 0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					120
8. 744 Condensor Valve					I.D. 0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					240 I.D.
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					1
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					~~0~~
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					120
2. #2 Compressor					0
3. #3 Compressor					110
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No cars hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					7-17-81
INSPECTOR:					J Rabeto

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					~~100~~ I.D.
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					~~100~~ I.D.
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					
10. 905 Recovery Compressor Overflow					

Maint installing compressor

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. ~~VCM Filter Pack~~ Head (Automatic Valve stem Nathof)					0
17. East Rec. Charge Pump Seal					310 8.D.
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head				Filter being changed	

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head Safety Disc Blown					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)				Taken out	
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082316

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					100
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					500
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					110
2. #2 Compressor					0
3. #3 Compressor					150
4. #4 Compressor (South)					140
5. Railcar Connection, North Station					No Car Loading
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					7-31-81
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

741 down for maint.

VAB.0001082319

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					50
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					Down for maint
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Down

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					Down
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.000082322

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					80
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					60
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					45

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)				L.D→	110
2. #2 Compressor					Down for maint
3. #3 Compressor				L.D→	150
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No car hooked up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					8-7-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					60
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					80
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					40
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					Down
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					*
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.0001082328

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					180
4. D-300 Condensor Bottom Seal					F.D. 0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					60

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					40
2. #2 Compressor					65
3. #3 Compressor					0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					125
6. Railcar Connection, Middle Station					185
7. Railcar Connection, South Station					140
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					8-24-81
INSPECTOR:					JR

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					100 F.D
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					80
14. 744 Condenser Bottom Seal					I.D 0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					120 I.D
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					110 I.D.
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Data

III. Old Reactor Area - Recovery

Filter being changed.

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					data
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

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A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					60
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					45

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					45
2. #2 Compressor					50
3. #3 Compressor					40
4. #4 Compressor (South)					45
5. Railcar Connection, North Station					2.0 200
6. Railcar Connection, Middle Station					200
7. Railcar Connection, South Station					110
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-2-81
INSPECTOR:					J.R.

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					~~80~~ J.D.
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					80
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					105
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					85
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					80
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					out of service

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					out
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					

VAB.0001082340

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					105
2. #2 Compressor					0
3. #3 Compressor					110
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No data
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-4-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					80
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					85
10. 743 Condenser Bottom Seal					I.D 0

VAB.0001082343

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					110
2. 741 Condensor Valve					20 0
3. 742 Condensor Seal					115
4. 742 Condensor Valve					20 0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					110
8. 744 Condensor Valve					20 0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					80
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Taken out!

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					Down
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0

B. 1st Floor - V-11 (Area)

					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					80
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					75
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					80
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					~~145~~ F.D.
2. #2 Compressor					0
3. #3 Compressor					~~140~~ F.D.
4. #4 Compressor (South)					0
5. Railcar Connection, North Station				E	150-110
6. Railcar Connection, Middle Station					110-100
7. Railcar Connection, South Station					0-105
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-11-81
INSPECTOR:					Jerry Rabito

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					65
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					80
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					95
4. 742 Condensor Valve					F.D 0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					45
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					Dam
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					X
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0

B. 1st Floor - V-11 (Area) 0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					65
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					80
9. D-500 Condensor ~~Bottom~~ Top Seal					I.D. 0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					80
2. #2 Compressor					0
3. #3 Compressor					180
4. #4 Compressor (South)					60
5. Railcar Connection, North Station					280
6. Railcar Connection, Middle Station					190
7. Railcar Connection, South Station					400
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-18-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					60
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					60
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					50
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Discharge Valve					200/20
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					190 L.D.
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					95 J.D.
2. #2 Compressor					
3. #3 Compressor					90 J.D.
4. #4 Compressor (South)					
5. Railcar Connection, North Station					No pour logged
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

VCM
LEAK SURVEY

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-25-81
INSPECTOR:					J. Robert

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					50
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

at 744 RX down - mant drilling out condensers

VAB.0001082362

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					50
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					unlit out.

III. Old Reactor Area - Recovery

Dam

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					
2. West Steam Jet Exhaust					
3. D-300 Condensor Top Seal					
4. D-300 Condensor Bottom Seal					
5. D-300 Lenape Manway Seal					
6. D-400 Condensor Top Seal					
7. D-400 Condensor Bottom Seal					
8. D-400 Lenape Manway Seal					
9. D-500 Condensor Bottom Seal					
10. D-500 Condensor Bottom Seal					
11. D-500 Lenape Manway Seal					
12. D-600 Condensor Top Seal					
13. D-600 Condensor Bottom Seal					
14. D-600 Lenape Manway Seal					

B. Bottom of Reactors

1. D-300 Dump Valve					
2. D-400 Dump Valve					
3. D-500 Dump Valve					
4. D-600 Dump Valve					
5. VCM Charge Manifold Line					
6. VCM Charge Manifold Line (Area)					

A

V. VCM Tank Farm

1. #1 Compressor (North)					20
2. #2 Compressor					0
3. #3 Compressor					60
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No car hooked up.
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					10-2-81
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					80
14. 744 Condenser Bottom Seal					I.D. 0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					10
2. 741 Condensor Valve					I.D. 0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					105 I.D.

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					80
" " ~~[illegible]~~ Valve discharge					L.D 60 L.D.

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

Old RX unit down

1. Middle VCM Receiver, Top (Area)					
2. Middle VCM Receiver, Bottom (Area)					
3. South VCM Receiver, Top (Area)					
4. South VCM Receiver, Bottom (Area)					
5. 401 Receiver, Top (Area)					
6. 401 Receiver, Bottom (Area)					
7. VCM Transfer Pump (under South Receiver)					
8. East VCM Charge Pump Seal					
9. West VCM Charge Pump Seal					
10. Rec. VCM Filter Pack Head					
11. North, Fresh VCM Filter Pack Head					
12. South, Fresh VCM Filter Pack Head					
13. Blowdown Tank Relief Vent (Platform)					
14. West VCM Return Pump Seal					
15. East VCM Return Pump Seal					
B. 1st Floor - V-11 (Area)					
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					
2. B (West) Vacuum Pump, Seal					
3. East Recovery Compressor Seal					
4. West Recovery Compressor Seal					
5. North Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust
2. West Steam Jet Exhaust
3. D-300 Condensor Top Seal
4. D-300 Condensor Bottom Seal
5. D-300 Lenape Manway Seal
6. D-400 Condensor Top Seal
7. D-400 Condensor Bottom Seal
8. D-400 Lenape Manway Seal
9. D-500 Condensor Bottom Seal
10. D-500 Condensor Bottom Seal
11. D-500 Lenape Manway Seal
12. D-600 Condensor Top Seal
13. D-600 Condensor Bottom Seal
14. D-600 Lenape Manway Seal

B. Bottom of Reactors

1. D-300 Dump Valve
2. D-400 Dump Valve
3. D-500 Dump Valve
4. D-600 Dump Valve
5. VCM Charge Manifold Line
6. VCM Charge Manifold Line (Area)

A

V. VCM Tank Farm

1. #1 Compressor (North)					400 F.D.
2. #2 Compressor					0
3. #3 Compressor					200 F.D.
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					No gas [illegible]
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					1-29-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 74[illegible] Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0
743 3" Vent line Value stem					185

VAB.0001082374

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve stem					100 F.D.
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

					A
II. New Reactor Area - Recovery Unit (Cont.)					
B. Ground Level (Cont.)					
20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0
III. Old Reactor Area - Recovery					
A. Area West of V-11					
1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal				VAB.00010820	77
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					2000± F.D
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					100 F.D
12. D-600 Condensor Top Seal					800 F.D
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					→

A

V. VCM Tank Farm

1. #1 Compressor (North)					200 F.D.
2. #2 Compressor					0
3. #3 Compressor					450 F.D.
4. #4 Compressor (South)					220 F.D
5. Railcar Connection, North Station					No car loaded
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

Note
John Windham took VCM reading today
compressor were running.

When I took reading
compressor were down

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					2-5-82
INSPECTOR:					Jerry Rabate

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					240
4. 742 Condensor Valve					I.D 0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. ~~Blowdown, Tank Relief Vent (Platform)~~					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					500 J.D.
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Bottom Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
7. Batch water Stripper South vessel CV 955 Value stem					110 J.D

V. VCM Tank Farm

1. #1 Compressor (North)					1000 J.D
2. #2 Compressor					110 J.D
3. #3 Compressor					90 J.D
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					~~No load up.~~
6. Railcar Connection, Middle Station					~~Gas~~
7. Railcar Connection, South Station					
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-12-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

10 1. 741 Lenape Seal					0
11 2. 741 Condenser Bottom Seal					0
12 3. 741 Recovery VAlve					0
13 4. 741 Rinse Water Line					0
14 5. 742 Lenape Seal					0
15 6. 742 Condenser Bottom Seal					0
16 7. 742 Recovery Valve					0
17 8. 742 Rinse Water Line					0
18 9. 743 Leanpe Seal					0
19 10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

10 11. 743 Recovery Valve					0
11 12. 743 Rinse Water Line					0
12 13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					200 J.D.
4. 742 Condensor Valve					0
5. 743 Condensor Seal					205 J.D
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow 901 safety Disc					0 Blown
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow #5 902 Safety Disc					0 250 J.D
6 ~~5~~. 903 Recovery Compressor SEal					0
7 ~~6~~. 903 Recovery Compressor Overflow					0
8 ~~7~~. 904 Recovery Compressor Seal					0
9 ~~8~~. 904 Recovery Compressor Overflow					0
10 ~~9~~. 905 Recovery Compressor Seal					0
11 ~~10~~. 905 Recovery Compressor Overflow 905 Safety Disc					0 Blown

Note Didn't pick up any leaks around 901 + 905 safety disc, but did on 902.

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					Filter Pack head was open (Down)

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
(10) west VCM discharge valve stem					18 I.D
11 ~~10~~. Rec. VCM Filter Pack Head					0
12 ~~11~~. North, Fresh VCM Filter Pack Head					0
13 ~~12~~. South, Fresh VCM Filter Pack Head					110 I.D.
14 ~~13~~. Blowdown Tank Relief Vent (Platform)					0
15 ~~14~~. West VCM Return Pump Seal					0
16 ~~15~~. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0

C. 2nd Floor

1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					300 L.D.
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					325 L.D
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

V. VCM Tank Farm

1. #1 Compressor (North)					50 I.D.
2. #2 Compressor					400 I.D
3. #3 Compressor					110 I.D
4. #4 Compressor (South)					60 I.D
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					450 wet car
7. Railcar Connection, South Station					325 wet car
8. North VCM Charge Pump (S. of Sphere)					0
9. South VCM Charge Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					2-19-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0
					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2 901 Safety Disc					18 I.D.
3 ~~2~~. 901 (South) Vacuum Pump Overflow					0
4 ~~3~~. 902 (North) Vacuum Pump Seal					0
5 ~~4~~. 902 (North) Vacuum Pump Overflow					0
6 ~~5~~. 903 Recovery Compressor SEal					0
7 ~~6~~. 903 Recovery Compressor Overflow					0
8 ~~7~~. 904 Recovery Compressor Seal					0
9 ~~8~~. 904 Recovery Compressor Overflow					0
10 ~~9~~. 905 Recovery Compressor Seal					0
11 ~~10~~. 905 Recovery Compressor Overflow					0

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

23 Valve leaking on rief valve going to VC receiver. Showed operator the valve

208 L.D.

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

VAB.00010895

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					210 L.D.
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					180 L.D
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					285 L.D.
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0
					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					205 F.D
2. #2 Compressor					0
3. #3 Compressor					0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					N/A capped up
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM ~~Charge~~ Transfer Pump (S. of Sphere)					900
9. South VCM ~~Charge~~ Transfer Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					9-24-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

A

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

Note: Need to replace blower safety disc on all Recovery compressors + 901 Vacuum Pump.

A

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

A

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					90
22. South Fresh VCM Filter Pack Head					I.D. 0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0
4. West Recovery Compressor Seal					0
5. North Recovery Compressor Seal					0

A

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					125 I.D
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor ~~Bottom~~ Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

A

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					40
3. #3 Compressor					160
4. #4 Compressor (South)					J.D. 40
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					0
7. Railcar Connection, South Station					85
8. North VCM ~~Charge~~ Transfer Pump (S. of Sphere)					1500
9. South VCM ~~Charge~~ Transfer Pump (S. of Sphere)					J.D. 0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE:					3-2-82
INSPECTOR:					J. Rolata

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3 901 Safety Disc					550 F.D.
4 902 (North) Vacuum Pump Seal					
5 902 (North) Vacuum Pump Overflow					0
6 903 Recovery Compressor SEal					1/2 F.D
7 903 Recovery Compressor Overflow					0
8 904 Recovery Compressor Seal					0
9 904 Recovery Compressor Overflow					0
10 905 Recovery Compressor Seal					0
11 905 Recovery Compressor Overflow					

VAB.0001082405

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

12 ~~11~~. VCM Collection Tank (Area)					0
13 ~~12~~. East Recovery Condensor (Area)					0
14 ~~13~~. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					210
3. #3 Compressor					285
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					0
7. Railcar Connection, South Station					0
8. North VCM Transfer Pump (S. of Sphere)					28
9. South VCM Transfer Pump (S. of Sphere)					0

Note 744 Rx down for drilling out of condenser.

VCM LEAK SURVEY

-VINYL AREA-

DATE:					3-16-82
INSPECTOR:					J Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

VAB.0001082410

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13 743 3" Vent line Valve stem leaking					150 F.B.
~~13~~ 14 744 Lenape Seal					
~~14~~ 15 744 Condenser Bottom Seal					0
~~15~~ 16 744 Recovery Valve					0
~~16~~ 17 744 Rinse Water Line					0
~~17~~ 18 Steam Jet Exhaust					0
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					

VAB.0001082411

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0
14. C B. 525 actuator valve stem leaking					200 I. D

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					125 I.D.
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					60
10. Rec. VCM Filter Pack Head					I.D. 0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					100
4. D-300 Condensor Bottom Seal					I.D 0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					105 J.D
2. #2 Compressor					0
3. #3 Compressor					50
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					50
7. Railcar Connection, South Station					150
8. North VCM Transfer Pump (S. of Sphere)					0
9. South VCM Transfer Pump (S. of Sphere)					0

VCM LEAK SURVEY

-VINYL AREA-

DATE:					3-17-82
INSPECTOR:					J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					

VAB.0001082417

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					105 L.D.
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2 — A Vac. pump discharge valve stem					
3 ~~2.~~ B (West) Vacuum Pump, Seal					105 L.D.
4/~~3.~~ East Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Top Seal					150 L.D
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					45
2. #2 Compressor					150
3. #3 Compressor					L.D. 0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					0
7. Railcar Connection, South Station					0
8. North VCM Transfer Pump (S. of Sphere)					0
9. South VCM Transfer Pump (S. of Sphere)					0

A

VCM LEAK SURVEY

-VINYL AREA-

DATE: 3-23-82

INSPECTOR: J. Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 742 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

VAB.0001082422

B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13 743 3" vent line valve stem					725
14 ~~13.~~ 744 Lenape Seal					0
15 ~~14.~~ 744 Condenser Bottom Seal					0
16 ~~15.~~ 744 Recovery Valve					0
17 ~~16.~~ 744 Rinse Water Line					0
~~17.~~ Steam Jet Exhaust					0
C. Top of Condensors					
1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0
II. New Reactor Area - Recovery Unit					
A. 2nd Floor					
1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					0

VAB.0001082423

II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					185 I.D.
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					150 LD
3. #3 Compressor					0
4. #4 Compressor (South)					0
5. Railcar Connection, North Station					0
6. Railcar Connection, Middle Station					0
7. Railcar Connection, South Station					0
8. North VCM Transfer Pump (S. of Sphere)					0
9. South VCM Transfer Pump (S. of Sphere)					225 LD

VCM LEAK SURVEY

-VINYL AREA-

DATE:					4-1-82
INSPECTOR:					Jerry Roberts

LOCATION:

I. New Reactor Area - Reactor Module

A. Ground Level

1. 741 Charge Valve					0
2. Directly Under 741					0
3. 742 Charge Valve					0
4. Directly Under 742					0
5. 743 Charge Valve					0
6. Directly Under 743					0
7. 744 Charge Vlave					0
8. Directly Under 744					0
9. Sweco (Area)					0

B. Third Level (Top of Reactors)

1. 741 Lenape Seal					0
2. 741 Condenser Bottom Seal					0
3. 741 Recovery VAlve					0
4. 741 Rinse Water Line					0
5. 742 Lenape Seal					0
6. 742 Condenser Bottom Seal					0
7. 742 Recovery Valve					0
8. 741 Rinse Water Line					0
9. 743 Leanpe Seal					0
10. 743 Condenser Bottom Seal					0

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B. Third Level (Top of Reactors) (Cont.)

11. 743 Recovery Valve					0
12. 743 Rinse Water Line					0
13. 744 Lenape Seal					0
14. 744 Condenser Bottom Seal					0
15. 744 Recovery Valve					0
16. 744 Rinse Water Line					0
17. Steam Jet Exhaust					0
18. 742 & 743 chem wash return valve			V-47 vinyl repaired.		85 L.D

C. Top of Condensors

1. 741 Condensor Seal					0
2. 741 Condensor Valve					0
3. 742 Condensor Seal					0
4. 742 Condensor Valve					0
5. 743 Condensor Seal					0
6. 743 Condensor Valve					0
7. 744 Condensor Seal					0
8. 744 Condensor Valve					0

II. New Reactor Area - Recovery Unit

A. 2nd Floor

1. 901 (South) Vacuum Pump Seal					0
2. 901 (South) Vacuum Pump Overflow					0
3. 902 (North) Vacuum Pump Seal					0
4. 902 (North) Vacuum Pump Overflow					0
5. 903 Recovery Compressor SEal					0
6. 903 Recovery Compressor Overflow					0
7. 904 Recovery Compressor Seal					0
8. 904 Recovery Compressor Overflow					0
9. 905 Recovery Compressor Seal					0
10. 905 Recovery Compressor Overflow					

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II. New Reactor Area - Recovery Unit (Cont.)

A. 2nd Floor (Cont.)

11. VCM Collection Tank (Area)					0
12. East Recovery Condensor (Area)					0
13. West Recovery Condensor (Area)					0

B. Ground Level

1. East VCM Storage Tank Bottom (Area)					0
2. East VCM Storage Tank Top (Area)					0
3. Middle VCM Storage Tank Bottom (Area)					0
4. Middle VCM Storage Tank Top (Area)					0
5. West VCM Storage Tank Bottom (Area)					0
6. West VCM Storage Tank Top (Area)					0
7. East (894) Rec. VCM Return Pump Seal					0
8. West (893) Rec. VCM Return Pump Seal					0
9. South (891) Seal Water Separator Pump Seal					0
10. North (892) Seal Water Separator Pump Seal					0
11. Seal Water Filter Pack Head					0
12. East Rec. VCM Charge Pump Seal					0
13. East Rec. VCM Charge Pump Overflow					0
14. West Rec. VCM Charge Pump Seal					0
15. West Rec. VCM Charge Pump Overflow					0
16. Rec. VCM Filter Pack Head					0
17. East Rec. Charge Pump Seal					0
18. East VCM Charge Pump Valve					0
19. West VCM Charge Pump Seal					0

II. New Reactor Area - Recovery Unit (Cont.)

B. Ground Level (Cont.)

20. West VCM Charge Pump Valve					0
21. North Fresh VCM Filter Pack Head					0
22. South Fresh VCM Filter Pack Head					0

III. Old Reactor Area - Recovery

A. Area West of V-11

1. Middle VCM Receiver, Top (Area)					0
2. Middle VCM Receiver, Bottom (Area)					0
3. South VCM Receiver, Top (Area)					0
4. South VCM Receiver, Bottom (Area)					0
5. 401 Receiver, Top (Area)					0
6. 401 Receiver, Bottom (Area)					0
7. VCM Transfer Pump (under South Receiver)					0
8. East VCM Charge Pump Seal					0
9. West VCM Charge Pump Seal					0
10. Rec. VCM Filter Pack Head					0
11. North, Fresh VCM Filter Pack Head					0
12. South, Fresh VCM Filter Pack Head					0
13. Blowdown Tank Relief Vent (Platform)					0
14. West VCM Return Pump Seal					0
15. East VCM Return Pump Seal					0
B. 1st Floor - V-11 (Area)					0
C. 2nd Floor					
1. A (East) Vacuum Pump, Seal					0
2. B (West) Vacuum Pump, Seal					0
3. East Recovery Compressor Seal					0

IV. Old Reactor Area - Reactor Module

A. Top of Reactors

1. East Steam Jet Exhaust					0
2. West Steam Jet Exhaust					0
3. D-300 Condensor Top Seal					2.0
4. D-300 Condensor Bottom Seal					0
5. D-300 Lenape Manway Seal					0
6. D-400 Condensor Top Seal					0
7. D-400 Condensor Bottom Seal					0
8. D-400 Lenape Manway Seal					0
9. D-500 Condensor Top Seal					0
10. D-500 Condensor Bottom Seal					0
11. D-500 Lenape Manway Seal					0
12. D-600 Condensor Top Seal					0
13. D-600 Condensor Bottom Seal					0
14. D-600 Lenape Manway Seal					0

B. Bottom of Reactors

1. D-300 Dump Valve					0
2. D-400 Dump Valve					0
3. D-500 Dump Valve					0
4. D-600 Dump Valve					0
5. VCM Charge Manifold Line					0
6. VCM Charge Manifold Line (Area)					0

V. VCM Tank Farm

1. #1 Compressor (North)					0
2. #2 Compressor					600 J.D.
3. #3 Compressor					215 J.D.
4. #4 Compressor (South)					205 J.D.
5. Railcar Connection, North Station					No Cart hooked up.
6. Railcar Connection, Middle Station					
7. Railcar Connection, South Station					
8. North VCM Transfer Pump (S. of Sphere)					0
9. South VCM Transfer Pump (S. of Sphere)					0