

ATTACHMENT 1
Record for 10 CFR 50.75 (g) or 10 CFR 72.30 (d)

I. Summary

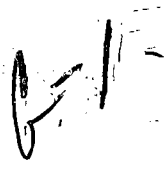
On April 15, 2009, Tritium levels greater than 2,000 pCi/l were identified in water pumped out of a concrete vault containing Emergency Service Water (ESW) cables, which were being replaced. Investigation of the issue (Reference 1) determined that the release of tritiated water was caused by leaks in the 8-inch and 10-inch carbon steel Condensate Transfer System lines, SS-4 and CS-24 respectively. The tritium leakage discovered had no negative dose impact on members of the public or plant workers. The IR# for this event is 907846 (Reference 2).

II. Event Description & Location

Outside vaults and pipe chases are sampled for gamma emitters, tritium and pH prior to determining the ultimate disposition of any water that may be removed. The cable work scheduled for April 15, 2009 required entrance into the ESW vault. The manhole was opened and water was discovered. The water was pumped into 55-gallon drums and sampled. There were no gamma emitters identified, pH was 7.62, however tritium was 102,000 pCi/l. The Minimum Detectable Activity (MDA) for on-site tritium analysis is 2,000 pCi/l. This is the Lower Limit of Detection (LLD) listed in the Oyster Creek Offsite Dose Calculation Manual (ODCM) and is also the value used as the reporting threshold for notification to the New Jersey Department of Environmental Protection (NJDEP) for release of tritium. Since water was observed entering the vault, it was conservatively decided that water could be exiting the vault. Based on the tritium levels in the vault, it was determined that a notification be made to the NJDEP hotline, in accordance with the New Jersey Discharge of Petroleum and other Hazardous Substances regulation. This notification was made six minutes after the sample analysis results were received. There are a total of 31 conduits that enter or exit the vault. This vault was last inspected on September 29, 2008 as part of the License Renewal inspections, and the water found was tested for tritium with less than detectable levels. As part of the License Renewal program, this vault is inspected every 90 days.

Preventative Maintenance surveillances (PMs) exist to perform inspections of various underground manholes, and if water is found, then it is sampled. The previous records show that there were no detectable levels of tritium in any of the manholes inspected in September of 2008.

Monitoring wells in the general vicinity of the cable vault – W-3, W-4, W-5, W-6 and MW-15K-1A, were sampled during the March 10 - 12, 2009 period. The results of tritium analyses on those samples were all < 200 pCi/l. Lysimeter CST-9, which is in the vicinity of the cable vault, was sampled on March 11, 2009 and the tritium concentration was < 200 pCi/l. Lysimeter CST-2, which is on the southwest corner of the Condensate Storage Tank, was last sampled in August of 2006 when the tritium concentration was found to be < 200 pCi/l.



After the April 15th sample from the ESW vault, a subsequent sample taken from well MW-K15-1A, located southwest of the Condensate Storage Tank (CST), showed a tritium result of 4.5E6 pCi/l. This result was determined to be similar to tritium levels seen in the CST. Based on this information, the leakage source was narrowed to the Condensate Transfer system. Using Oyster Creek Topical Report 116, "Oyster Creek Underground Piping Program Description and Status," a list of high probability locations for the leakage was selected. Investigation for the issue determined that the release of tritiated water was caused by leaks in the 8-inch and 10-inch carbon steel Condensate Transfer System lines, SS-4 and CS-24 respectively. The root cause investigation that was performed determined that the leaks developed due to a corrosion mechanism known as anodic dissolution. Poor application of pipe coating left the buried pipes susceptible to this corrosion. The station's Buried Pipe Program was reviewed to evaluate programmatic and organizational aspects related to the pipe failure. The investigation determined that the program basis document was flawed due to inadequate configuration management and design controls, which resulted in invalid assumptions being used in the development of the program.

The tritium level in the water that was leaking from the 8-inch and 10-inch Condensate Transfer lines was above the reporting requirements for the State of New Jersey. The urgency to identify the source of the leak led to excavation of several piping lines during a forced outage that lasted roughly 8 days. Significant financial and personnel resources were required to restore the integrity of the piping.

In a separate evaluation, it was determined that the soil taken from the excavation could be returned to the same location from which it came. (Reference 3).

The plant maintains a groundwater monitoring program which consists of routine water sampling from several onsite monitoring locations, as well as several offsite locations. No tritium results greater than MDA (2000 pCi/l) have been seen offsite. The tritium leakage discovered has had no negative dose impact on members of the public or plant workers.

III. Radiological Information

See attached Table 1.

IV. Pathway Analysis

Tritium plumes have resulted from recent CST pipe leaks near the CST tank. These leaks were above the water table and mounded on top of the Intake/Discharge tunnels and water table. Tritium plumes have resulted from these leaks. The plumes migrate primarily in the water table (Fill) towards the west with discharge to the Discharge and Intake Canals. A tritium plume may exist in the Cohansy formation due to vertical downward migration from the water table, but a significant plume is not considered as likely since an artificial clay layer installed during construction of the Station minimizes discharge to the Intake and Discharge Canals. It is unlikely that the deep Cohansy aquifer and Kirkwood Formation, which is separate from the Cohansy by a regional clay layer are impacted. (Reference 4 below provides a detailed pathway analysis.)

Table 1
2009 H-3 Leak
Sample Results

Date	Time	Description	H-3 Activity μCi/ml	H-3 Activity pCi/l
4/14/2009	10:15:00 AM	6 drum composite from Intake	1.00E-04	1.00E+05
4/15/2009	3:46:00 PM	Intake Vault	2.48E-04	2.48E+05
4/15/2009	5:00:00 PM	6 drum composite from Intake	4.88E-05	4.88E+04
4/16/2009	12:00:00 PM	ESW Vault Cable Conduit	2.01E-03	2.01E+06
4/16/2009	5:55:00 PM	Well OY-W-5	< MDA	< MDA
4/16/2009	5:56:00 PM	Well OY-MW-15K-1A	4.34E-03	4.34E+06
4/16/2009	7:46:00 PM	E Side RT 9 South Bridge	< MDA	< MDA
4/16/2009	10:30:00 PM	Well OY-W6	< MDA	< MDA
4/16/2009	10:31:00 PM	OY-Condenser Discharge	< MDA	< MDA
4/16/2009	10:49:00 PM	Lysimeter OY-CST-9	< MDA	< MDA
4/16/2009	11:05:00 PM	Well OY-MW-1I-1A	< MDA	< MDA
4/17/2009	12:15:00 AM	Well OY-W-4	< MDA	< MDA
4/17/2009	12:55:00 AM	Well OY-W-3	< MDA	< MDA
4/17/2009	10:45:00 AM	Old Demin Water Storage Tank	< MDA	< MDA
4/17/2009	1:10:00 PM	South Well - Domestic Water	< MDA	< MDA
4/18/2009	5:00:00 AM	Excavation Hole near CST	1.56E-03	1.56E+06
4/18/2009	9:45:00 AM	Intake, North Side of Canal	< MDA	< MDA
4/18/2009	2:55:00 PM	Well OY-MW-15k-1A	4.25E-03	4.25E+06
4/18/2009	4:50:00 PM	Main Condenser Discharge	< MDA	< MDA
4/18/2009	8:26:00 PM	Air Sample ESW Cable Vault	< MDA	< MDA
4/18/2009	9:23:00 PM	Cable Conduit	2.01E-03	2.01E+06
4/20/2009	10:42:00 AM	Well OY-MW-1L-2A	< MDA	< MDA
4/20/2009	11:31:00 AM	Well OY-MW-1L-1A	< MDA	< MDA
4/20/2009	12:15:00 PM	Well OY-W-6	< MDA	< MDA
4/20/2009	1:15:00 PM	Well OY-W-5	< MDA	< MDA
4/20/2009	1:55:00 PM	Well OY-W-3	< MDA	< MDA
4/20/2009	2:35:00 PM	Well OY-W-4	< MDA	< MDA
4/20/2009	3:55:00 PM	Main Condenser Discharge	< MDA	< MDA
4/20/2009	5:20:00 PM	Lysimeter OY-CST-9	< MDA	< MDA
4/20/2009	5:50:00 PM	Well OY-MW-15K-1A	2.48E-03	2.48E+06
4/21/2009	10:48:00 AM	ESW Cable Vault	1.88E-03	1.88E+06
4/21/2009	1:50:00 PM	Main Condenser Discharge	< MDA	< MDA
4/21/2009	3:00:00 PM	New Well #2 Spoils composite	< MDA	< MDA
4/21/2009	3:44:00 PM	New Well #2	5.05E-03	5.05E+06
4/21/2009	3:50:00 PM	New Well #2 Waste Drum	3.48E-03	3.48E+06
4/22/2009	5:01:00 PM	Well W-51 waste drum liquid	6.10E-03	6.10E+06
4/22/2009	5:02:00 PM	Well W-51 liquid	6.05E-03	6.05E+06
4/22/2009	8:30:00 PM	Overboard Total	< MDA	< MDA
4/22/2009	8:31:00 PM	Big Storm Grate Drain	< MDA	< MDA
4/23/2009	1:20:00 PM	Main Condenser Discharge	< MDA	< MDA
4/23/2009	3:52:00 PM	Well W-52 waste drum	< MDA	< MDA
4/23/2009	4:00:00 PM	ESW Vault	3.36E-03	3.36E+06
4/23/2009	5:34:00 PM	Well W-52 well liquid	< MDA	< MDA
4/24/2009	10:29:00 AM	Main Condenser Discharge	< MDA	< MDA
4/24/2009	11:00:00 AM	ESW Vault	4.01E-03	4.01E+06
4/24/2009	11:30:00 AM	Well W-53	< MDA	< MDA
4/24/2009	11:31:00 AM	Well W-53 Waste Drum	< MDA	< MDA
4/24/2009	4:00:00 PM	Well W-54	9.40E-06	9.40E+03
4/25/2009	3:10:00 AM	CST leak pit	5.30E-03	5.30E+06
4/25/2009	1:20:00 PM	CST leak pit	5.05E-03	5.05E+06
4/25/2009	2:20:00 PM	Condensate Pump Discharge "A"	5.10E-03	5.10E+06

**Table 1
2009 H-3 Leak
Sample Results**

Date	Time	Description	H-3 Activity μCi/ml	H-3 Activity pCi/l
4/25/2009	2:33:00 PM	Condensate Pump Discharge "B"	5.20E-03	5.20E+06
4/25/2009	2:45:00 PM	Condensate Pump Discharge "C"	5.15E-03	5.15E+06
4/25/2009	5:30:00 PM	Intake	< MDA	< MDA
4/25/2009	7:52:00 PM	Main Condenser Discharge	< MDA	< MDA
4/25/2009	10:23:00 PM	ESW Vault	4.54E-03	4.54E+06
4/26/2009	4:19:00 AM	Main Condenser Discharge	< MDA	< MDA
4/26/2009	10:10:00 PM	ESW Cable Vault	5.20E-03	5.20E+06
4/28/2009	7:30:00 AM	ESW Cable Vault	4.65E-03	4.65E+06
4/28/2009	9:15:00 AM	Rt 9 Bridge	< MDA	< MDA
4/28/2009	9:57:00 AM	Main Condenser Discharge	< MDA	< MDA
4/28/2009	11:35:00 AM	Intake	< MDA	< MDA
4/29/2009	4:40:00 AM	CST leak pit	5.25E-03	5.25E+06
4/29/2009	1:00:00 PM	Well W-52	< MDA	< MDA
4/29/2009	1:01:00 PM	Well ISK-1A	5.00E-03	5.00E+06
4/29/2009	2:20:00 PM	Well W-50	4.89E-03	4.89E+06
4/29/2009	3:35:00 PM	Well W-51	3.63E-03	3.63E+06
4/30/2009	7:20:00 AM	Rt 9 bridge	< MDA	< MDA
4/30/2009	9:45:00 AM	Intake	< MDA	< MDA
4/30/2009	9:50:00 AM	Main Condenser Discharge	< MDA	< MDA
4/30/2009	3:10:00 PM	ESW cable vault	4.20E-03	4.20E+06
5/1/2009	2:00:00 AM	Rt 9 Bridge	< MDA	< MDA
5/1/2009	3:30:00 AM	Intake	< MDA	< MDA
5/1/2009	3:50:00 AM	Main Condenser Discharge	< MDA	< MDA
5/1/2009	4:10:00 AM	ESW Cable Vault	4.09E-03	4.09E+06
5/1/2009	8:17:00 AM	Well W-54	< MDA	< MDA
5/1/2009	9:20:00 AM	Well W-53	1.31E-05	< MDA
5/1/2009	10:24:00 AM	Well OY-MW-15K-1A	5.95E-03	5.95E+06
5/2/2009	9:22:00 AM	Intake	< MDA	< MDA
5/2/2009	9:35:00 AM	Main Condenser Discharge	< MDA	< MDA
5/2/2009	10:30:00 AM	Route 9 Bridge	< MDA	< MDA
5/2/2009	1:50:00 PM	ESW Cable Vault	2.55E-03	2.55E+06
5/3/2009	9:18:00 AM	Intake	< MDA	< MDA
5/3/2009	9:30:00 AM	Main Condenser Discharge	< MDA	< MDA
5/3/2009	10:13:00 AM	Route 9 Bridge	< MDA	< MDA
5/3/2009	1:13:00 PM	ESW Cable Vault	1.95E-03	1.95E+06
5/4/2009	10:05:00 AM	Route 9 Bridge	< MDA	< MDA
5/4/2009	10:40:00 AM	ESW Cable Vault	1.03E-03	1.03E+06
5/4/2009	1:10:00 PM	Main Condenser Discharge	< MDA	< MDA
5/4/2009	1:25:00 PM	Intake	< MDA	< MDA
5/5/2009	9:20:00 AM	Intake	< MDA	< MDA
5/5/2009	9:35:00 AM	Main Condenser Discharge	< MDA	< MDA
5/5/2009	10:25:00 AM	Route 9 Bridge	< MDA	< MDA
5/5/2009	1:08:00 PM	ESW Cable Vault	9.10E-04	9.10E+05
5/6/2009	8:20:00 AM	Well OY-W-52	< MDA	< MDA
5/6/2009	9:24:00 AM	Well OY-W-54	9.50E-06	9.50E+03
5/6/2009	9:25:00 AM	Main Condenser Discharge	< MDA	< MDA
5/6/2009	9:40:00 AM	Intake	< MDA	< MDA
5/6/2009	10:00:00 AM	Well OY-W-051	4.51E-03	4.51E+06
5/6/2009	10:15:00 AM	Route 9 Bridge	< MDA	< MDA
5/6/2009	10:33:00 AM	Well OY-W-53	1.51E-05	1.51E+04
5/6/2009	11:50:00 AM	Well OY-W-50	2.91E-03	2.91E+06

Table 1
2009 H-3 Leak
Sample Results

Date	Time	Description	H-3 Activity μCi/ml	H-3 Activity pCi/l
5/6/2009	12:42:00 PM	Well OY-MW-15K-1A	5.30E-03	5.30E+06
5/6/2009	1:05:00 PM	ESW Cable Vault	6.40E-04	6.40E+05
5/7/2009	8:45:00 AM	Route 9 Bridge	< 1.98E-06	< 1.98E+03
5/7/2009	9:50:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/7/2009	10:10:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/7/2009	12:40:00 PM	ESW Cable Vault	4.17E-04	4.17E+05
5/7/2009	6:00:00 PM	CST	5.55E-03	5.55E+06
5/8/2009	6:40:00 AM	Route 9 Bridge	< 1.98E-06	< 1.98E+03
5/8/2009	9:05:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/8/2009	9:20:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/8/2009	11:50:00 AM	ESW Cable Vault	3.03E-04	3.03E+05
5/9/2009	11:05:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/9/2009	11:15:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/9/2009	11:20:00 AM	ESW vault	2.79E-04	2.79E+05
5/9/2009	2:05:00 PM	South Rt 9 Bridge	< 1.98E-06	< 1.98E+03
5/10/2009	8:45:00 AM	Rt 9 South bridge	< 1.98E-06	< 1.98E+03
5/10/2009	9:40:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/10/2009	10:00:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/10/2009	10:10:00 AM	ESW Vault	2.54E-04	2.54E+05
5/11/2009	9:30:00 AM	Rt 9 S Bridge	< 1.98E-06	< 1.98E+03
5/11/2009	10:45:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/11/2009	11:00:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/11/2009	11:15:00 AM	ESW Vault	3.49E-04	3.49E+05
5/12/2009	9:10:00 AM	Rt 9 South Bridge	< 1.98E-06	< 1.98E+03
5/12/2009	10:15:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/12/2009	10:25:00 AM	ESW Vault	8.70E-04	8.70E+05
5/12/2009	10:35:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/13/2009	8:38:00 AM	Well W-52	2.69E-06	2.69E+03
5/13/2009	9:00:00 AM	Rt 9 S Bridge	< 1.98E-06	< 1.98E+03
5/13/2009	9:16:00 AM	Well W-54	8.30E-06	8.30E+03
5/13/2009	10:00:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/13/2009	10:08:00 AM	Well OY-W-51	3.28E-03	3.28E+06
5/13/2009	10:15:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/13/2009	11:18:00 AM	Well W-53	6.85E-06	6.85E+03
5/13/2009	11:46:00 AM	Well W-50	4.88E-03	4.88E+06
5/13/2009	12:40:00 PM	Well 15K-1A	2.87E-03	2.87E+06
5/13/2009	2:05:00 PM	Frac tank moat	< 1.98E-06	< 1.98E+03
5/13/2009	2:20:00 PM	Frac tank	4.11E-03	4.11E+06
5/14/2009	9:00:00 AM	Rt 9 South Bridge	< 1.98E-06	< 1.98E+03
5/14/2009	9:30:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/14/2009	9:40:00 AM	ESW Vault	6.45E-04	6.45E+05
5/14/2009	9:50:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/15/2009	9:20:00 AM	Rt 9 S Bridge	< 1.98E-06	< 1.98E+03
5/15/2009	10:20:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/15/2009	10:25:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/15/2009	10:35:00 AM	ESW Vault	9.15E-05	9.15E+04
5/16/2009	7:15:00 AM	Rt 9 South bridge	< 1.98E-06	< 1.98E+03
5/16/2009	8:30:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/16/2009	8:45:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/16/2009	9:00:00 AM	ESW vault	1.49E-04	1.49E+05
5/17/2009	7:45:00 AM	Rt 9 S bridge	< 1.98E-06	< 1.98E+03

Table 1
2009 H-3 Leak
Sample Results

Date	Time	Description	H-3 Activity μCi/ml	H-3 Activity pCi/l
5/17/2009	8:45:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/17/2009	9:00:00 AM	ESW Vault	1.95E-04	1.95E+05
5/17/2009	9:20:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/18/2009	9:58:00 AM	Rt 9 Brdg S	< 1.98E-06	< 1.98E+03
5/18/2009	11:18:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/18/2009	11:48:00 AM	Intake.	< 1.98E-06	< 1.98E+03
5/19/2009	9:02:00 AM	Rt 9 Bridge S	< 1.98E-06	< 1.98E+03
5/19/2009	9:49:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/19/2009	10:37:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/19/2009	11:16:00 AM	ESW Vault	1.94E-04	1.94E+05
5/20/2009	9:27:00 AM	Well OY-W-52	< 1.98E-06	< 1.98E+03
5/20/2009	9:41:00 AM	Rt 9 Brdg S	< 1.98E-06	< 1.98E+03
5/20/2009	10:23:00 AM	Well MW-15K-1A	1.66E-03	1.66E+06
5/20/2009	10:38:00 AM	Well OY-W-53	< 1.98E-06	< 1.98E+03
5/20/2009	10:41:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/20/2009	11:25:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/20/2009	11:29:00 AM	Well OY-W-51	4.12E-03	4.12E+06
5/20/2009	11:50:00 AM	ESW Vault	2.33E-04	2.33E+05
5/20/2009	11:51:00 AM	Well OY-W-54	3.02E-06	3.02E+03
5/20/2009	12:42:00 PM	Well OY-W-50	4.12E-03	4.12E+06
5/21/2009	9:08:00 AM	Rt 9 Bridge	< 1.98E-06	< 1.98E+03
5/21/2009	10:01:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/21/2009	10:43:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/22/2009	10:50:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/22/2009	12:17:00 PM	Intake	< 1.98E-06	< 1.98E+03
5/22/2009	1:36:00 PM	Rt 9 Bridge S	< 1.98E-06	< 1.98E+03
5/23/2009	8:30:00 AM	Rt 9 S Bridge	< 1.98E-06	< 1.98E+03
5/23/2009	9:30:00 AM	Intake	< 1.98E-06	< 1.98E+03
5/23/2009	9:40:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
5/26/2009	12:01:00 PM	Well W-55	1.26E-03	1.26E+06
5/27/2009	9:52:00 AM	Well W-6	< 1.98E-06	< 1.98E+03
5/27/2009	10:24:00 AM	Well W-2C	< 1.98E-06	< 1.98E+03
5/27/2009	10:33:00 AM	Well W-5	< 1.98E-06	< 1.98E+03
5/27/2009	11:22:00 AM	Well MW-11-1A	8.30E-05	8.30E+04
5/27/2009	11:56:00 AM	Well MW-11-2A	< 1.98E-06	< 1.98E+03
5/27/2009	12:01:00 PM	Well W-1	< 1.98E-06	< 1.98E+03
5/27/2009	1:22:00 PM	Well W-51	3.72E-03	3.72E+06
5/27/2009	1:51:00 PM	Well W-2K	< 1.98E-06	< 1.98E+03
5/27/2009	3:04:00 PM	Well W-4K	< 1.98E-06	< 1.98E+03
5/27/2009	3:46:00 PM	Well W-3	< 1.98E-06	< 1.98E+03
5/27/2009	4:19:00 PM	Well W-4	< 1.98E-06	< 1.98E+03
5/27/2009	5:55:00 PM	Well W-52	< 1.98E-06	< 1.98E+03
5/27/2009	6:37:00 PM	Well W-53	2.02E-06	2.02E+03
5/28/2009	8:30:00 AM	Lysimeter CST-9	4.10E-06	4.10E+03
5/28/2009	9:14:00 AM	Well W-54	9.95E-06	9.95E+03
5/28/2009	9:57:00 AM	Well MW-15k-1a	9.05E-04	9.05E+05
5/28/2009	10:40:00 AM	Well W-50	3.22E-03	3.22E+06
6/1/2009	11:25:00 AM	Well MH-743-1	1.22E-04	1.22E+05
6/1/2009	11:30:00 AM	Well MH-731-1	2.85E-06	2.85E+03
6/1/2009	1:05:00 PM	Vault outside Rx bldg SE	1.94E-05	1.94E+04
6/1/2009	2:15:00 PM	Manhole near switchyard	< 1.98E-06	< 1.98E+03

Table 1
2009 H-3 Leak
Sample Results

Date	Time	Description	H-3 Activity μCi/ml	H-3 Activity pCi/l
6/2/2009	9:31:00 AM	Well W-52	< 1.98E-06	< 1.98E+03
6/2/2009	10:15:00 AM	Well W-53	2.17E-05	2.17E+04
6/2/2009	11:21:00 AM	Well W-51	4.04E-03	4.04E+06
6/2/2009	11:59:00 AM	Well W-54	8.40E-06	8.40E+03
6/2/2009	12:37:00 PM	Well 15k-1a	8.20E-04	8.20E+05
6/2/2009	1:35:00 PM	Well W-55	3.04E-03	3.04E+06
6/2/2009	2:43:00 PM	Well W-50	3.12E-03	3.12E+06
6/6/2009	7:45:00 AM	Rt 9 bridge	< 1.98E-06	< 1.98E+03
6/6/2009	8:30:00 AM	Intake	< 1.98E-06	< 1.98E+03
6/6/2009	9:00:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
6/7/2009	7:15:00 AM	Rt 9 bridge	< 1.98E-06	< 1.98E+03
6/7/2009	8:00:00 AM	Intake	< 1.98E-06	< 1.98E+03
6/7/2009	9:00:00 AM	Main Condenser Discharge	< 1.98E-06	< 1.98E+03
6/9/2009	8:45:00 AM	Well W-52	4.17E-06	4.17E+03
6/9/2009	12:02:00 PM	Well W-51	3.48E-03	3.48E+06
6/9/2009	12:42:00 PM	Well W-54	9.70E-06	9.70E+03
6/9/2009	1:24:00 PM	Well W-53	< MDA	< MDA
6/9/2009	3:06:00 PM	Lysimeter CST-9	4.35E-04	4.35E+05
6/9/2009	3:30:00 PM	Well 15K-1A	1.24E-04	1.24E+05
6/9/2009	5:00:00 PM	Well W-50	4.10E-03	4.10E+06
6/12/2009	7:45:00 AM	Well W-55	6.20E-04	6.20E+05
6/12/2009	8:57:00 AM	Well 15K-1A	1.38E-04	1.38E+05
6/12/2009	9:45:00 AM	Frac Tank	4.87E-03	4.87E+06