

From: Carson, Louis
To: Werner, Greg;
Subject: River Bend LRW Spills in 2008
Date: Wednesday, February 10, 2010, 8:31:48 AM

Greg as Requested:

Description of abnormal release event: CWS Blowdown Line break during LWS discharge January 17, 2008; 70,000 gallons CW plus 700 gal LRW.

Groundwater samples: Groundwater samples for gamma radiation and tritium were taken in support of the GPI. These samples are not part of the REMP program. There were two leaks in 2008. These leaks are detailed in the abnormal release section of the Annual Effluent Report. In addition to these two leaks, one other incident occurred on 11/5/2008 while sampling a maintenance pit containing the sampled in 2008. The sample result showed Co-60 at 194 pCi/kg soil contamination and tritium at 2095 pCi/l. The licensee remediated the contamination.

Impact of event: At this time there are no impacts to the effluents program that would cause a change in current methodology. This is not expected to be a continuing pathway for dose considerations. If any positive groundwater samples are ever detected, then additional reviews will be performed and decisions made concerning ODCM changes or any remediation activities.

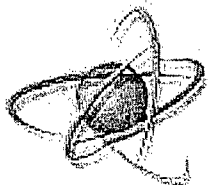
Remediation of event: The hole near the blowdown line break with standing water was pumped into barrels. The remainder of the water is considered to have made its way to the Mississippi River via Outfall 003 and Grants Bayou.

Radioactive Contamination contents and level of event: Only tritium was detected in the water which leaked from the blowdown line. The maximum level detected in Outfall 003 was 28,043 pCi/L. At this time there is no drinking water pathway between the site and the

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Mississippi River. Tritium is no longer detected in Outfall 003.

Impact on groundwater, if any: Groundwater sampling was performed. Additional wells were also used to assist in characterizing any potential groundwater flow from this event. All results for gamma and H-3 were less than MDA.



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