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ATTACHMENT 1
Adverse Condition Monitoring And Contingency Plan
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Elevated Tritium Concentration Detected Onsite

Plan Title

Date: 06/09/09 (Rev 1 on 04/26/09, Rev 2 on 04/29/09, Rev 3 on 05/21/09, Rev. 4 on 06/09/09)

Unit: 1

Parameter: Elevated Tritium Concentration Detected Onsite

Condition Statement: On 04/15/09 tritium activity was detected in an outside vault. In preparation for work inside the Emergency Service Water vault, water found inside the vault was pumped into drums and sampled for gamma emitters, tritium, and pH. There were no gamma emitters identified, pH was 7.62 and tritium was 102,000 pCi/l. The reporting threshold to the New Jersey DEP for tritium is 2,000 pCi/l.

IR#: 907846

WR#: N/A

OP EVAL#: N/A

Indicator(s): 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. Later other well samples were also found to have tritium levels greater than 2,000 pCi/l.

Enhanced Monitoring Frequency: Applicable work groups to obtain samples and perform inspections per table below.

Plotting Chart attached – No (Data Sheet Attached)

Contingency actions: This ACMP is for monitoring of conditions. If elevations in results are seen without understanding of the tritium source then an elevated action plan for source determination should be made at that time.

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 7, 4, 9
FOIA- 1009-0A14

H-1

(b)(4)

All samples are to be taken as follows:

Sample #1 for onsite analysis (250 mLs for gamma and tritium)

Sample #2 for Teledyne Brown (1 gallon)

Sample #3 for State of NJ – GPL Laboratories

Requires three (3) 500 mL samples from the following locations:

1. Wells W-50 W-51, and MW-15K-1A
2. Surface Waters intake, Rte 9 Bridge and Condenser Discharge

Requires one (1) 500 mL sample from the following locations:

1. W-52, W-53, W-54, CST -9

Any required split soil samples of one thousand (1,000) grams.

(b)(4)

Removal Criteria: At the discretion of the Chemistry Manager.

Prepared: (b)(6) 06/09/09

Reviewed: Shift Manager (b)(6) 06/09/09

Approved: SOS/OPS Director (b)(6) 06/09/09

Forwarded to Plant Manager/Station Duty Manager/Site VP (check)

Identified on Morning Plant Status Template (check)

Termination Criteria Met, Plan Closed: Shift Manager _____ (Date)

