

PRE-INSPECTION COVER SHEET AND INSPECTION PLAN

*CPM
7/8*

INSPECTORS:

Lead: Ronald Rolph
 Other: _____

FACILITY: Pilgrim
 REPORT NO: 05000293/2010004
 INSP DATES: 7/12-16/2010
 DRP INSP END DATE: * 9/30/2010

***If feeder, include resident inspection period end date.**

Check One:

Feeder DRS Team _____

Type of Inspection: (Check One)

PIR _____ Supplemental _____ SSDI _____ Exams _____
 Re-Qual (Feeders) _____ EP Exercise _____ EP Program _____ OSRE _____
 SPA _____ Baseline

INSPECTION PLAN (ATTACHED OR SUMMARIZED BELOW): see attached

ATTACHED

INSPECTION PROCEDURE DATA

<u>Procedure-Occ. Nos</u>	<u>IPE Code</u>	<u>Title of Procedure</u>	<u>In RPS/IP (Y/N)</u>
<u>71124 - 06</u>	<u>BI</u>	<u>Radioactive Gaseous and Liquid Effluent Treatment</u>	<u>Y</u>
<u>TI 2515/173</u>	<u>BI</u>	<u>Industry Ground Water Initiative</u>	<u>Y</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

IFS ITEMS ASSIGNED FOR REVIEW

<u>Procedure-Occ. Nos</u>	<u>IPE Code</u>	<u>IFS Number</u>	<u>Brief Description</u>
<u>None -</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

ALLEGATIONS ASSIGNED FOR REVIEW

<u>Procedure-Occ. Nos</u>	<u>IPE Code</u>	<u>ALG -Number</u>	<u>Brief Description</u>
<u>-</u>	<u>AF</u>	<u>-</u>	<u>-</u>
<u>None -</u>	<u>AF</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>AF</u>	<u>-</u>	<u>-</u>

PROJECTS COORDINATION: Date Discussed with DRP Branch Chief: _____

COORDINATED: [Signature] (DRP) ACKNOWLEDGED: _____ (Accomp. Insp. Super.) APPROVED: [Signature] (Inspector's Supervisor)

ARRANGEMENTS:

Hotel: Hilton Garden Inn Phone: 508-830-0200
 Contact: _____ Phone: _____

Radioactive gaseous and Liquid Effluent Treatment

71124.06

Inspection Plan

Site: Pilgrim

Dates: 7/12-16/2010

- 1) Review recent effluent release report radiological environmental operating report. (.06 / 2.01 a.)
- 2) Review the FSAR and ODCM. (.06 / 2.01 b.)
- 3) Review Groundwater Protection Initiative (GPI) Program. (.06 / 2.01 c.)
- 4) Review LER's, event reports, special reports, effluent program implementing procedures, and any third party evaluation reports. (.06 / 2.01 d.)
- 5) Walk down selected components of the gaseous and liquid discharge systems to verify configuration and material condition. (.06 / 2.02 a.)
- 6) Review surveillance records for those areas associated with the systems selected, that are not readily accessible due to radiological conditions. (.06 / 2.02 b.)
- 7) Walk down filtered ventilation systems to verify conditions. (.06 / 2.02 c.)
- 8) If possible, observe sample collection and analysis of gaseous waste processing. (.06 / 2.02 d.)
- 9) Verify if the licensee has made significant changes to their effluent release points. (10 CFR 50.59 review or require NRC approval) (.06 / 2.02 e.)
- 10) If possible, observe sample collection and analysis of the liquid waste processing. (.06 / 2.02 f.)
- 11) As available, observe three to five sampling activities to verify adequate controls are implemented to ensure representative samples are obtained. (.06 / 2.03 a.)
- 12) As available, for one to three effluent discharges made with inoperable effluent radiation monitors, verify the controls to ensure compensatory sampling are implemented to ensure that the release of unmonitored liquid and gaseous effluents are prevented. (.06 / 2.03 b.)
- 13) Review the frequency of the use of compensatory sampling in lieu of adequate system maintenance. (.06 / 2.03 c.)
- 14) Review the results of the inter-laboratory comparison program. Verify the inter-laboratory comparison program include hard-to-detect isotopes. (.06 / 2.03 d.)
- 15) Review effluent and stack and vent flow rates and compare with the ODCM or FSAR values. (.06 / 2.04 a.)
- 16) Verify surveillance test results meet Technical Specifications acceptance criteria. (.06 / 2.04 b.)
- 17) Review significant changes in reported dose values compared to the previous Radiological Environmental Release Report and the factors that could have resulted in the change. (.06 / 2.05 a.)
- 18) Review one to three liquid and one to five gaseous waste discharge permits. (.06 / 2.05 b.)
- 19) Review the Part 61 analysis and methods used to determine the isotopes that are included in the source term. (.06 / 2.05 c.)
- 20) Review changes to the ODCM since the last inspection. (.06 / 2.05 c.)
- 21) Review the latest Land Use Census and verify that the changes have been factored into the dose calculations. (.06 / 2.05 e.)
- 22) Verify calculated doses for the release permits reviewed are within the 10 CFR Part 50, Appendix I and Technical Specification dose criteria. (.06 / 2.05 f.)
- 23) As available, review any, up to three, abnormal gaseous or liquid discharges. Verify evaluation(s) were performed to satisfy 10 CFR 20.1501 to account for the source term and projected dose to the public. (.06 / 2.05 g.)
- 24) Review monitoring results of the GPI and verify the licensee is implementing the program as intended and identify any anomalous results. (.06 / 2.06 a.)
- 25) Review leakage of spill events and entries made into 10 CFR 50.75 (G) records. (.06 / 2.06 b.)
- 26) Review actions taken for unmonitored spills, leaks, unexpected discharges. (.06 / 2.06 c.)
- 27) Review the evaluation of discharges from onsite surface water bodies. (.06 / 2.06 d.)
- 28) Verify that on-site ground water sample results are included in the Annual radiological Environmental Operating Report or the Annual Radiological Effluent Release Report. (.06 / 2.06 e.)
- 29) For significant, new effluent discharge points, verify the ODCM has been updated to include these points. (.06 / 2.06 f.)
- 30) Verify that problems associated with the effluent program are entered into the corrective action program. (.06 / 2.07)