

# PRE-INSPECTION COVER SHEET AND INSPECTION PLAN

**INSPECTORS:**

Lead: Michael Modes FACILITY: Oyster Creek Generating Station  
 Other: Tim O'Hara REPORT NO: 05000219/2006007  
Glen Meyer  
Dave Werkheiser REPORT TYPE: FDR / DRS REPORT / TEAM REPORT  
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Suresh Chaudhary INSP DATES: 3/13- 17, 27-31 EXIT DATE: 4/26  
Paul Kaufman

DRP INSP END DATE:\* \_\_\_\_\_  
**\*NOTE: If feeder, include resident inspection period end date.**

**INSPECTION PLAN ATTACHED**

**INSPECTION PROCEDURE DATA**

<u>Procedure-Occ. Nos</u>	<u>IPE Code</u>	<u>Title of Procedure</u>	<u>On MIP (Y/N)</u>
<u>-</u>	<u>        </u>	<u>        </u>	<u>        </u>
<u>-</u>	<u>        </u>	<u>        </u>	<u>        </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>-</u>	<u>RI</u>	<u>        </u>	<u>        </u>
<u>-</u>	<u>RI</u>	<u>        </u>	<u>        </u>
<u>-</u>	<u>RI</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>- 26</u>	<u>AF</u>	<u>        </u>	<u>        </u>
<u>- 26</u>	<u>AF</u>	<u>        </u>	<u>        </u>
<u>- 26</u>	<u>AF</u>	<u>        </u>	<u>        </u>

**PROJECTS COORDINATION:** Date Discussed with DRP Section Chief: \_\_\_\_\_

COORDINATED: \_\_\_\_\_ (DRP)      ACKNOWLEDGED: \_\_\_\_\_ (Accomp. Insp. Super.)      APPROVED: \_\_\_\_\_ (Inspector's Supervisor)

**ARRANGEMENTS:**

Hotel: Marriott Phone: ( 609) 748-4700

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# LICENSE RENEWAL INSPECTION PLAN FOR AMERGEN ENERGY COMPANY'S OYSTER CREEK GENERATION STATION

## I PURPOSE

This plan specifies areas that must be inspected in order to assure the thoroughness and accuracy of the screening and scoping of non-safety related structures, systems, and components, as required in 10 CFR 54.4(a)(2) and to assure aging management programs are capable of managing the identified aging affect in a reasonable manner. This inspection plan describes how Manual Chapter 2516 requirements for activities relating to 10 CFR Part 54 will be inspected. This plan defines the scope of the inspections planned to verify that AmerGen Energy Company's license renewal program for the Oyster Creek Generating Station (OCGS) is in compliance with the requirements of the rule and is consistent with the license renewal application and the staff's safety evaluation of AmerGen Energy Company's license renewal application. The plan also provides guidance for inspection scheduling, inspector training, inspection activities, and resource requirements.

AmerGen Energy Company's license renewal application identified the systems and structures that AmerGen Energy Company determined were within the scope of the rule.

## II OBJECTIVES

The overall objective of this plan is to provide guidance for inspecting the implementation and effectiveness of the programs and activities associated with AmerGen Energy Company's license renewal program. The inspection will verify there is reasonable assurance that the effects of aging will be adequately managed so that the intended function(s) of structures, and components, for which an aging management review is required, will be maintained consistent with the current licensing basis during the period of extended operation. Region I will implement the license renewal inspection plan at OCGS before NRR approves AmerGen Energy Company's license renewal application to verify that AmerGen Energy Company meets the requirements of the rule and has implemented license renewal programs and activities consistent with the rule, the license renewal application, and the staff's safety evaluation report on the license renewal application.

## III INSPECTION ACTIVITIES

Inspection Procedure (IP) 71002, "License Renewal Inspections," will be the primary procedure used to inspect Nine Mile Point Nuclear Station's implementation of the requirements of the rule. The latest revision of IP 71002 can be reviewed by accessing <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/ip71002.pdf>

Scoping and Screening The inspection will focus on the methodology used by the applicant to determine which non-safety systems are within the scope of the license renewal. This will be accomplished by walk-downs of accessible portions of selected systems and structures to identify observable inconsistencies in the scoping and screening activities. Any aging effects on the systems and structures that are not covered in the license renewal application will be noted for inclusion in the Aging Management portion of the inspection.

Aging Management Review Aging effects identified by AmerGen Energy Company will be principally reviewed and evaluated during the NRR technical review and on-site audit. As part of an aging management program inspection the regional inspection team will perform a sample review of related maintenance records of the selected systems and structures in an attempt to identify any previously unrecognized aging.

Aging Management Programs The inspection team will inspect the aging management programs, including aging management programs where AmerGen Energy Company claims they are consistent with the Generic Aging Lessons Learned report, for important aging effects in selected systems and structures. The inspection team will examine records for existing aging management programs to evaluate the programs' effectiveness and will review plans for new aging management programs. The inspection team will then document the team's findings on the effectiveness of the aging management programs to maintain the systems' and structures' intended function(s) consistent with the current licensing basis for the period of extended operation.

#### IV INSPECTION SCOPE

The OCGS license renewal inspection activities will be implemented through an on-site inspection.

1. The inspection will last two weeks. One inspection man-week will focus on the scoping and screening processes as it relates to non-safety systems that affect safety systems. The inspection will verify non-safety systems have been included or excluded consistent with the rule, methodology, and the staff's evaluation of AmerGen Energy Company's methodology. The inspection will verify there is reasonable assurance that AmerGen Energy Company's scoping and screening processes have identified the non-safety systems, structures, and components for which an aging management review is required consistent with the requirements of the rule.
2. The remainder of the inspection resources will focus on the aging management programs designated in the AmerGen Energy Company application. This inspection will examine a sample of existing and proposed aging management programs and compare the programs against actual past results.
2. If open inspection items warrant a third inspection, the team will followup on previous inspection activities and may inspect AmerGen Energy Company actions on any safety evaluation open items requested by NRR. This inspection may also include portions of the license renewal application updated by the applicant as a result of recent plant modifications.

#### V INSPECTION RESOURCES

The inspection will need the following inspection resources:

1. Inspectors
  - One team leader
  - Three inspectors, or more, from the region
2. Skills

The inspection team needs a cross-section of skills, including mechanical, material, civil/structural, and electrical engineering skills.

The scope of the third inspection (and, thus, the resources) will depend on how many open issues remain from the previous inspection activities.

## VI AGING MANAGEMENT PROGRAMS

Water Chemistry

Flow-Accelerated Corrosion

Fuel Oil Chemistry

10 CFR Part 50, Appendix J

Closed Cycle Cooling Water System

ASME, Section XI, Subsection IWE

TLAA, Drywell Corrosion and Protective Coating Monitoring and Maintenance Program

Buried Piping Inspection

Aboveground Outdoor Tanks

Fire Protection

Fire Water System

Electrical Cables and Connections Not Subject to EQ

Electrical Cables and Connections Not Subject to EQ Used in Instrumentation Circuits

Inaccessible Medium Voltage Cables Not Subject to EQ

Standby Liquid Control System

Feedwater System

Core Spray System

Isolation Condenser System

Component Supports Commodity Group

Fire Protection

Fire Water System

Electrical Cables & Connectors not subject to 10CFR50.49 Env. Qual

Electrical Cables & Connectors not subject to 10CFR50.49 Env. Qual, Requirements used in Instrument Circuits

Inaccessible Medium Voltage Cables not subject to 10CFR50.49 Env. Qual Requirements

Masonry Wall Program

Structures Monitoring Program

Protective Coating Monitoring and Maintenance

ASME Section XI, Subsection IWF