

FEB 29 1984

MEMORANDUM FOR: F. A. Wenslawski, Chief
Radiological Safety Branch

FROM: C. I. Sherman
Radiation Specialist

SUBJECT: DOCKET NO. 50-133, HUMBOLDT BAY INSPECTION PROGRAM

Humboldt Bay Power Plant (HBPP) has recently completed moving all fuel from the reactor to the spent fuel pool. Based upon the permanent shutdown status of the facility, the defueled node and transfer of all inspection responsibility to DRSSP, a unique inspection program should be developed for the facility. The purpose of this memo is to propose an interim inspection program until HBPP is converted to a possession only license with reduced requirements.

The licensee's plan over the next several years will be to remove as much radioactivity as feasible from the plant, without complete decommissioning of the facility. This plan will require processing liquid waste and solid waste, removal of hot spots and shipment of radioactive material offsite.

Until a decommissioning plan is developed, approved by NRC and implemented by the licensee, technical specification requirements for an operating plant remain in effect. Inspection activities in this interim period should focus only on those technical specification requirements considered important to safety and consistent with the defueled reactor mode. Inspection activities will also focus on applicable parts of 10 CFR dealing with radiation protection, transportation of radioactive materials and classification of waste.

The inspection program will continue to be based on the MC2515 program, however, consistent with the reduced inspection effort identified in the operating plan, only selected modules of the minimum and basic programs will be inspected. Of these modules, only these systems that remain important to safety will be considered in completion of the modules. Note that these modules are intended for inspector guidance only and should not be constructed as a required inspection program.

FEB 29 1994

I recommend that time be allotted to the various functional areas as follows:

Module Program		70%
Radiation Protection	45%	
Operations and Training	10%	
Surveillance	10%	
Miscellaneous	5%	
	<u>70%</u>	
Reactive *		10%
Independent		20%

*Based on facility status, reactive inspection effort can be reduced.

The radiation protection inspection program will stress liquid waste processing, exposure control and ALARA, transportation activities and Part 61 requirements. Surveillance and operations inspection will focus on technical specification requirements for fuel handling, ventilation systems, radiation monitoring and other spent fuel pool systems.

At such time as a decommissioning plan coupled with a possession only license and revised technical specifications are approved, the inspection program will be revised to reflect the new requirements in order to assure adherence to the decommissioning plan.


In accordance with IE MC0800 (Feedback) contact will be maintained with the NRR PM in order to provide input to technical specification and license changes.

The inspection program provided as enclosure A consist of three portions, operations and surveillance, radiation protection and followup. It is expected that only the first part will change as the license requirements change.

/s/

C. I. Sherman
Radiation Specialist

RV/jk


SHERMAN

2/29/84

Enclosure A

INSPECTION PROCEDURE NO.	INSPECTION PROCEDURE TITLE Functional Area	INSPECTION FREQUENCY
<u>Inspector Meetings</u>		
30703	Management Meeting--Entrance and Exit	Q
<u>Plant Operations</u>		
41700	Training	A
41701	Requalification Training	A
71710	ESF System Walkdown	S
<u>Plant Operations</u>		
71707	Operational Safety Verification	Q
71708	Inspection During Long Term Shutdown	Q
<u>Plant Operations</u>		
42700	Procedures	A
86700	Spent Fuel Pool Activities	A
<u>Surveillance</u>		
61719	Containment Leak Rate Test*	A
61725	Surveillance Testing and Calibration Program	TA
61726	Monthly Surveillance Observation	Q
61700	Surveillance Procedures and Records	A
61701	Surveillance--Refueling	S
<u>Fire Protection/Housekeeping</u>		
64/04	Fire Prevention/Protection Program Implementation	BA

*Applied to refueling building

INSPECTION PROCEDURE NO.	INSPECTION PROCEDURE TITLE Functional Area	INSPECTION FREQUENCY
<u>Radiation Protection</u>		
80721	Radiological Environmental Monitoring (Basic)	BA
83722	Radiation Protection, Plant Chemistry, and Radwaste: Organization and Management Controls (Minimum and Basic)	BA
83723	Radiation Protection, Plant Chemistry, Radwaste, and Transportation: Training Qualifications (Minimum and Basic)	BA
83724	External Occupational Exposure Control and Personal Dosimetry (Minimum and Basic)	A
83725	Internal Exposure Control and Assessment (Minimum and Basic)	A
83726	Control of Radioactive Materials and Contamination, Surveys, and Monitoring (Minimum and Basic)	A
83727	Facilities and Equipment (Basic)	BA
83728	Maintaining Occupational Exposures ALARA (Minimum and Basic)	A
83729	Occupational Exposure During Extended Outages (Basic)	A
84722	Solid Wastes (Minimum and Basic)	A
84723	Liquids and Liquid Wastes (Minimum and Basic)	A
86721	Transportation (Basic)	A
xxxxx	10 CFR 61 Requirements	A
<u>Inspector Followup</u>		
90712	In-Office Review of Event Reports	W
92700	Onsite Followup of Written Reports of Nonroutine Events	W
92702	Followup Items of Noncompliance	W
92703	IE Bulletin/Immediate Action Letter Followup	W
93702	Onsite Followup of Events at Operating Reactors	W

FEB 29 1984

MEMORANDUM FOR: F. A. Wenslawski, Chief
Radiological Safety Branch

FROM: C. I. Sherman
Radiation Specialist

SUBJECT: DOCKET NO. 50-133, HUMBOLDT BAY INSPECTION PROGRAM

Humboldt Bay Power Plant (HBPP) has recently completed moving all fuel from the reactor to the spent fuel pool. Based upon the permanent shutdown status of the facility, the defueled mode and transfer of all inspection responsibility to DRSSP, a unique inspection program should be developed for the facility. The purpose of this memo is to propose an interim inspection program until HBPP is converted to a possession only license with reduced requirements.

The licensee's plan over the next several years will be to remove as much radioactivity as feasible from the plant, without complete decommissioning of the facility. This plan will require processing liquid waste and solid waste, removal of hot spots and shipment of radioactive material offsite.

Until a decommissioning plan is developed, approved by NRC and implemented by the licensee, technical specification requirements for an operating plant remain in effect. Inspection activities in this interim period should focus only on those technical specification requirements considered important to safety and consistent with the defueled reactor mode. Inspection activities will also focus on applicable parts of 10 CFR dealing with radiation protection, transportation of radioactive materials and classification of waste.

The inspection program will continue to be based on the MC2515 program, however, consistent with the reduced inspection effort identified in the operating plan, only selected modules of the minimum and basic programs will be inspected. Of these modules, only those systems that remain important to safety will be considered in completion of the modules. Note that these modules are intended for inspector guidance only and should not be constructed as a required inspection program.

pkj dyp

pink 32
151

FEB 29 1984

F. A. Wenslawski

2

I recommend that time be allotted to the various functional areas as follows:

Module Program		70%
Radiation Protection	45%	
Operations and Training	10%	
Surveillance	10%	
Miscellaneous	5%	
	<u>70%</u>	
Reactive *		10%
Independent		20%

*Based on facility status, reactive inspection effort can be reduced.

The radiation protection inspection program will stress liquid waste processing, exposure control and ALARA, transportation activities and Part 61 requirements. Surveillance and operations inspection will focus on technical specification requirements for fuel handling, ventilation systems, radiation monitoring and other spent fuel pool systems.

At such time as a decommissioning plan coupled with a possession only license and revised technical specifications are approved, the inspection program will be revised to reflect the new requirements in order to assure adherence to the decommissioning plan.

In accordance with IE MC0800 (Feedback) contact will be maintained with the NRR PM in order to provide input to technical specification and license changes.

The inspection program provided as enclosure A consists of three portions, operations and surveillance, radiation protection and followup. It is expected that only the first part will change as the license requirements change.

/s/

C. I. Sherman
Radiation Specialist

Enclosure A

INSPECTION PROCEDURE NO.	INSPECTION PROCEDURE TITLE Functional Area	INSPECTION FREQUENCY
<u>Inspector Meetings</u>		
30703	Management Meeting--Entrance and Exit	Q
<u>Plant Operations</u>		
41700	Training	A
41701	Requalification Training	A
71710	ESF System Walkdown	S
<u>Plant Operations</u>		
71707	Operational Safety Verification	Q
71708	Inspection During Long Term Shutdown	Q
<u>Plant Operations</u>		
42700	Procedures	A
86700	Spent Fuel Pool Activities	A
<u>Surveillance</u>		
61719	Containment Leak Rate Test*	A
61725	Surveillance Testing and Calibration Program	TA
61726	Monthly Surveillance Observation	Q
61700	Surveillance Procedures and Records	A
61701	Surveillance--Refueling	S
<u>Fire Protection/Housekeeping</u>		
64/04	Fire Prevention/Protection Program Implementation	BA

*Applied to refueling building

INSPECTION PROCEDURE NO.	INSPECTION PROCEDURE TITLE Functional Area	INSPECTION FREQUENCY
<u>Radiation Protection</u>		
80721	Radiological Environmental Monitoring (Basic)	BA
83722	Radiation Protection, Plant Chemistry, and Radwaste: Organization and Management Controls (Minimum and Basic)	BA
83723	Radiation Protection, Plant Chemistry, Radwaste, and Transportation: Training Qualifications (Minimum and Basic)	BA
83724	External Occupational Exposure Control and Personal Dosimetry (Minimum and Basic)	A
83725	Internal Exposure Control and Assessment (Minimum and Basic)	A
83726	Control of Radioactive Materials and Contamination, Surveys, and Monitoring (Minimum and Basic)	A
83727	Facilities and Equipment (Basic)	BA
83728	Maintaining Occupational Exposures ALARA (Minimum and Basic)	A
83729	Occupational Exposure During Extended Outages (Basic)	A
84722	Solid Wastes (Minimum and Basic)	A
84723	Liquids and Liquid Wastes (Minimum and Basic)	A
86721	Transportation (Basic)	A
84820 XXXXX	10 CFR 61 Requirements	A
<u>Inspector Followup</u>		
90712	In-Office Review of Event Reports	W
92700	Onsite Followup of Written Reports of Nonroutine Events	W
92702	Followup Items of Noncompliance	W
92703	IE Bulletin/Immediate Action Letter Followup	W
93702	Onsite Followup of Events at Operating Reactors	W