

March 4, 1982

Docket No. 50-219
LS05-82- 03-021



Mr. P. B. Fiedler
Vic President and Director
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Fiedler:

SUBJECT: SYSTEMATIC EVALUATION PROGRAM TOPIC III-8.A, LOOSE PARTS
MONITORING AND CORE BARREL VIBRATION PROGRAM - OYSTER CREEK

Enclosed is a copy of our evaluation of Systematic Evaluation Program
Topic III-8.A.

You are requested to examine the facts upon which the staff has based
its evaluation and respond either by confirming that the facts are cor-
rect, or by identifying errors and supplying the corrected information.
We encourage you to supply any other material that might affect the
staff's evaluation of this topic or be significant in the integrated
assessment of your facility.

The need to actually implement a Loose Parts Monitoring Program will be
determined during the integrated safety assessment.

Your response is requested within 30 days of receipt of this letter.
If no response is received by that time we will assume that you have no
comments or corrections.

Sincerely,

Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
Division of Licensing

SEO4
1/1
DSC USE (51)
ADD:
G. Staley
B. Fell

8203080347 820304
PDR ADOCK 05000219
P PDR

Enclosure:
As stated

cc w/enclosure:
See next page

OFFICE ▶	SEPB <i>W</i>	SEPB <i>W</i>	SEPB <i>W</i>	ORB #5 <i>W</i>	ORB #5 <i>W</i>	AD:SA:DL
SURNAME ▶	RFell:bl	RHermann	WRussell	JLombardo	DCrutchfield	GLafnas
DATE ▶	2/2/82	2/2/82	2/1/82	3/1/82	3/2/82	3/1/82

Mr. P. B. Fiedler

cc

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c/o U. S. NRC
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U. S. Environmental Protection
Agency
Region II Office
ATTN: Regional Radiation Representative
26 Federal Plaza
New York, New York 10007

Licensing Supervisor
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

SYSTEMATIC EVALUATION PROGRAM.
TOPIC III-8.A

OYSTER CREEK

TOPIC: III-8.A, Loose Parts Monitoring and Core Barrel Vibration Program

I. INTRODUCTION

The purpose of this topic is to review the inservice surveillance program to detect loose parts and excessive motion of the main core support structure. The objective is to detect loose parts or excessive vibration before they can cause flow blockage or mechanical damage to the fuel or other safety related components.

II. REVIEW CRITERIA

Standard Review Plan (SRP) Section 4.4, Regulatory Guide (R.G.) 1.133.

III. RELATED SAFETY TOPICS AND INTERFACES

V-1, Compliance With Codes and Standards (10 CFR 50.55a).

IV. REVIEW GUIDELINES

See Evaluation.

V. EVALUATION

1. LOOSE PARTS MONITORING:

R.G. 1.133, "Loose-Part Detection Program for the Primary System of Light-Water-Cooled Reactors," Revision 2, describes features for monitoring loose parts within the reactor coolant pressure boundary (RCPB). These features include sensors strategically located on the exterior surface of the RCPB capable of detecting acoustic disturbances, specifications for system sensitivity, alert levels, data acquisition modes and other system and procedural requirements. Oyster Creek does not have a loose parts monitoring program that meets the criteria of this guide.

2. CORE BARREL VIBRATION:

This concern is only for plants built by Combustion Engineering and has been resolved generically.

VI. CONCLUSION

1. A Loose Parts Monitoring Program, (i.e., detection system and procedures as specified in Section C.2 and C.3 of R.G. 1.133, Rev. 1) as currently required for new facilities does not exist at Oyster Creek.
2. The need to actually implement a Loose Parts Monitoring Program will be determined during the integrated assessment.