

CONCEPTUAL PROJECT ASSESSMENT

CPA NO. 97-42

TITLE: SPENT FUEL POOL ISLAND PROJECT

COST ESTIMATE: \$4,353,627

ORIGINATOR: W. Henries & SFPI Engineering Team

W. Henries

DATE: 10/9/97

ENGINEERING PROJECT MANAGER: S. Dahlgren

S. Dahlgren

DATE: 10/16/97

ENGINEERING SECTION HEAD REVIEW: W. Henries

W. Henries

DATE: 10/13/97

COGNIZANT PSS REVIEW: *D. Pile for TOA*

DATE: 10/14/97

PURPOSE/PROBLEM(S):

This CPA describes the work required to create a Spent Fuel Pool Island (SFPI). The purpose of the SFPI creation is to permit, along with other planned activities, the unencumbered dismantling of the remainder of the Maine Yankee plant. A conceptual overview of the proposed SFPI is provided on the following pages and more thorough descriptions of the proposed installations are provided in Attachment A of this CPA.

RECOMMENDATION(S):

Proceed with the SFPI design and construction as described in this CPA. Due to the requested expedited schedule of this effort, final design details will be developed and approved by the SFPI Project Team.

PROJECTED SCHEDULE:

CPA approval 10/16/97; EDCR PORC approval 12/31/97; Installation & Testing complete 3/30/98.

ATTACHMENTS: (1) Completed Team Assignment sheet (2) PAR and SFPI Cost Benefit Analysis (In lieu of Financial Analysis Form), (3) Estimated REM exposure sheet, (A) SFPI Design Details

ROUTING FOR APPROVAL:

1. APPLICABLE ENGINEERING MANAGER:

Matt J. Mout

10/14/97

2. PLANT MANAGER:

W. O'Dell 11/4/97

3. VP L&E:

B. Brown 11/4/97

4. VPO:

W. O'Dell 10/4/97

5. PRESIDENT:

Mike Sellen 11/4/97

COMMENTS BY MANAGEMENT:

Page 3 - HVAC, building exhaust includes HEPA filtration *W. O'Dell*
Page 2 - There must be a method to remove ethylene glycol *W. O'Dell*
from the pool should there be a leak

ATTACHMENT A Continued (Page 1 of 2)

MAINE YANKEE
 PROJECT AUTHORIZATION REQUEST

A. PAR No: 97-042 Capital: Deferred:
 O&M: Insurance Claim:

B. TITLE: SPENT FUEL POOL ISOLATION

C. BRIEF DESCRIPTION: The spent fuel pool will be isolated from the rest of the plant. This will include but not limited to the following: spent fuel pool cooling, filtration, chemical addition, fuel building HV control room relocation, security perimeter reductions, fire protection isolation, and the associated electrical changes required to isolate the fuel building from the remainder of the plant.

D. PROJECT DESCRIPTION/DISCUSSION/JUSTIFICATION: (Information from Estimator's worksheet Part 1)
 See attached cost benefit analysis for justification.

TOTAL ESTIMATE: \$4,353.6
 (Figure Determined on Estimator's Worksheet Part 1)

E. MILESTONE SCHEDULE: (MONTH/YEAR)

PLANNING/PRELIMINARY ENGINEERING PHASE:

ESTIMATED START DATE: 08/13/97
 ESTIMATED FINISH DATE: 12/15/97

CONSTRUCTION/INSTALLATION PHASE:

ESTIMATED START DATE: 01/14/98
 ESTIMATED FINISH DATE: 03/23/98

ACCEPTANCE PHASE:

START DATE: 03/24/98
 FINISH DATE: 03/31/98

F. ROUTING FOR APPROVAL

SD 9/24/97
Steven Dahlgren 09/30/97
 Originator

Department Manager

Plant Manager
 (For Plant Depts.)

Cognizant VP

[Signature]
Cost Management
 (Funding Review)

VP Fin. & Adm.
 (All Capital PAR's > \$50,000)

President (O&M PAR's
 > \$250,000 and all Capital PAR's)

Accounting (All PAR'S)

RETURN COMPLETED FORM TO ACCOUNTING

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 ENCLOSURE B
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