



Connecticut Yankee Decommissioning

Systems Needed For Decommissioning System Evaluation Process

GRPI

Revision 0

Prepared by: *Duncan A. Sabean* Date: 12-30-96
Duncan A. Sabean

Approved by: *John D. Haseltine* Date: 12/30/96
John D. Haseltine

**Systems Needed For Decommissioning
System Evaluation Process
GRPI
Revision 0**

GOAL

The goals of this effort are to:

1. Define the system evaluation process.
2. Implement the process to determine which of the current plant systems are required and which are not required for plant decommissioning.

This includes placing systems in the following classifications:

- Operable
- Available / Operational
- Isolated / In Lay-up
- Abandoned

ROLES

The following groups are responsible for activities 1 through 5, which are identified in the Process section below:

<u>Activity</u>	<u>Responsible Group(s)</u>
1.	Tech Support System Engineers and SROs
2.	Tech Support System Engineers and SROs
3.	Tech Support System Engineers
4.	Design Engineering and Licensing
5.	Design Engineering

Additional roles and responsibilities for this GRPI are as follows:

- Engineering Director to approve GRPI and provide resource allocation to ensure completion of project in a timely manner.
- Tech Support and Design Engineering to revise WCM 2.2-11, presently titled, "Disposition of Infrequently Used and Abandoned Equipment", which will control this process.
- PORC to approve the final package.

PROCESS

Refer to Attachment 1, "Required Plant System Screening Process for Defueled Condition". The process will consist of the following activities:

1. Review every plant system and initially determine classification.
2. Review and mark-up P&IDs for each system using the classifications and corresponding color codes, per WCM 2.2-11, Rev 1 (under draft). Each System Engineer will identify interfaces and insure consistency with interfacing System Engineer.
3. Define and document the bases for each system classification per WCM 2.2-11, Rev 1 and include as a package with the marked up P&IDs.
4. Screen classification packages for acceptability, including the following activities:
 - Determine if any Design Basis/Licensing Basis commitments are affected.
 - Determine system interface acceptability.
 - Identify and mark-up electrical/instrumentation requirements on P&IDs and one line diagrams.
 - Prepare/complete dependency trees (See Attachment 2 for a draft sample).
 - Prepare finalized system classifications.
5. Collate all system classification packages for PORC approval per WCM 2.2-11, Rev 1.

Note: As a trial run to test the process, four systems will be selected that encompass all classifications and activities 1 through 4 above will be completed for each. (Service Water, Auxiliary Feedwater, Boric Acid, and Reactor Coolant)

The system evaluation process (i.e., the "Systems Needed for Decommissioning" activity) will provide vital input to the following activities identified in the Decommissioning Activities Matrix:

- System Reclassification
- Maintenance Rule
- RCS Decontamination Study
- Dismantling
- Fire Protection
- Energy Efficiency
- UFSAR Revision
- PSDAR Development

This process will also provide input to the overall decommissioning schedule and cost estimate.

INTERPERSONAL

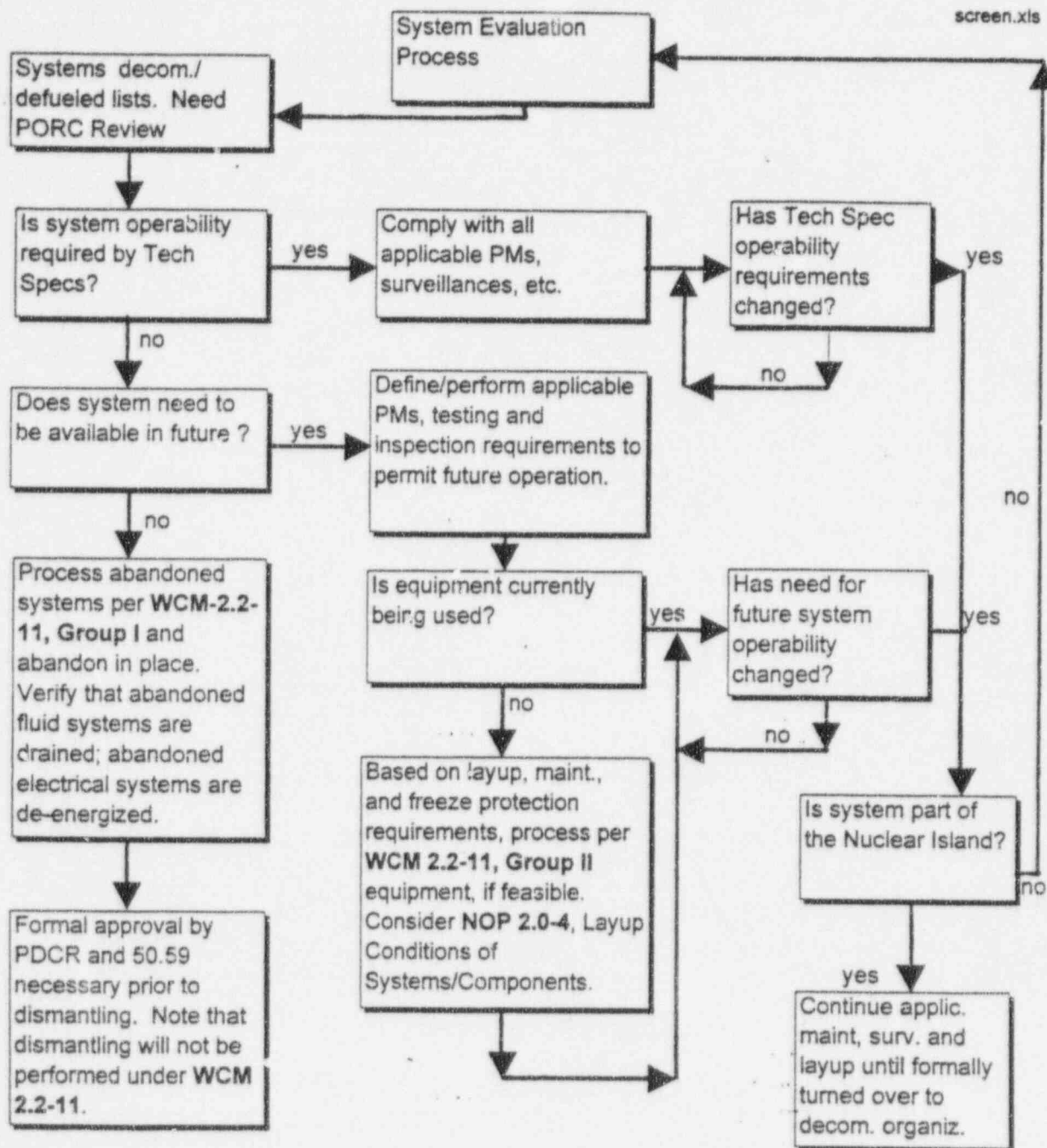
The following interpersonal relationship guidelines will be used to improve the efficiency of the system evaluation process:

- All interested organizations will be included in the preparation of the GRPI, the WCM revision, and the classification of systems.
- Communication will be made with Yankee personnel who have worked on similar areas for the Rowe decommissioning in an effort to learn from their experience.
- Frequent meetings will be held with personnel from groups having key roles in the process to maintain open lines of communication between the groups.

ATTACHMENT 1

Required Plant System Screening Process for Defueled Condition

JLD 12/17
screen.xls



- Notes: 1) **WCM 2.2-11** is the abandoned equipment procedure. It applies to **Group I** equipment, which is no longer used and not intended to be used in the future, and **Group II** equipment, which may be used in the future and should be maintained on a minimal basis, either in place or in storage.
- 2) **NOP 2.0-4** defines layup conditions for systems and components. It should be used when specifying layup requirements for equipment which may be used in the future.

SPENT FUEL POOL SUPPORT SYSTEMS

