

ALL Pages Rev. 1

INDIAN POINT STATION

Unit 2

WORK SCHEDULING AND OPERATIONAL PLANNING REV. 1

Interim Procedure

Michael Blott 1/16/88
Written By Date

Robert M. Reddy 1/16/88
Reviewed By Date

J. G. Basile 1/16/88
Approved By Date

1/17/88
Effective Date

Work Scheduling and Operational Planning

I. Background

"An Implementing Policy" for management response to the dry out of steam generator 23 became effective on January 12, 1988. This interim procedure includes a normal watch routine which occurs early in the shift to assess plant situations, determine procedures that apply and ensure compliance. Review of the dry out event also determined that management considerations and contingencies for future plant activities should be better documented and communicated to the personnel on shift. It has been subsequently determined that a first review of the applicability of the procedures to planned plant evolutions should be made prior to the beginning of the shift in which they are to be performed. The SWS, SRO and STA review would then represent a second assessment.

This interim procedure, "Work Scheduling and Operational Planning," describes how adequate operational planning is to be achieved through routine work planning and scheduling. It

Work Scheduling and Operational Planning

establishes methods which will be used by management to direct activities of shift personnel in a pre-planned manner that will improve communications.

II. Process Overview

The work scheduling and operational planning process will be implemented primarily via the development of the plant Weekly Schedule to pre-plan and schedule all work activities that directly impact the plant operators or affect operation of the unit. The process of developing the Weekly Schedule with the enhancement of additional operations planning input, procedure reviews, and job interrelationship analyses will serve to focus Nuclear Power Generation and support organizations on the daily plans for the plant. Where time permits, unplanned plant activities will be addressed with the same degree of operations planning and review.

III. Weekly Schedule

The Weekly Schedule will be prepared over the course of the preceding week at regularly scheduled meetings.

Work Scheduling and Operational Planning

The process consists of the following major components: work selection, work scheduling, job interrelationship identification, procedure review, schedule revision and issuance.

The process of development will follow the basic format outlined in the "Weekly Scheduling Manual" in the areas of work selection, work scheduling, and use of PREMIS for scheduling. The important improvement is the identification of job interrelationship between plant operations and operational planning including provisions for contingencies and evaluation of the applicability of the existing procedures to the planned evolutions.

Job selection is the first step in the process, and begins at a meeting of involved personnel and will include: corrective maintenance, preventive maintenance, surveillance testing, post maintenance testing, plant mode changes, component or system tagouts, and modifications. At the same meeting, the preliminary schedule relationships will be established and the primary operational concerns identified. With this

Work Scheduling and Operational Planning

preliminary list of work, scheduling can proceed and detailed operational review can begin.

The operational planning effort will consist of a detailed review of the activities to be conducted in the forthcoming week, so as to determine applicable procedures, determine the adequacy of those procedures under the expected plant status, and initiate temporary (TPC's, TOI's, jumpers and PMT's) or permanent procedure changes as needed. This review will assess the procedural adequacy based on the remaining operable equipment. This will in turn identify potential problems which may result from unexpected equipment responses, and initiate the development of contingency plans for back-up modes of operation where required.

The outcome of this review will be fed back into the overall planning and scheduling of the weekly activities. A final session will review the overall schedule to ensure that all of the elements for acceptance of an activity in the schedule are present.

Work Scheduling and Operational Planning

IV. Communication

The results of the weekly scheduling and operational planning process will be a plan-of-the-day package for the Senior Watch Supervisor (SWS) issued by Operations staff. The package will include applicable components of this list:

- * daily work activities
- * identification of applicable procedures
- * results of procedure reviews including temporary changes
- * jumpers
- * tagouts
- * contingency plans

This package of materials will communicate to the SWS the activities expected to be performed during the day and provide the operational planning information for his use. The SWS, STA and SRO will utilize these materials in the performance of their jobs following their review and concurrence. The package will be returned after completion to the Operations staff.

Work Scheduling and Operational Planning

V. Unplanned Activities

When during the course of the week variations from the planned activities develop, the morning plant meeting will focus on the known changes and review the plan for the next day. By looking ahead, there will be sufficient time to perform the operational reviews and to issue these changes in the plan-of-the-day package.

When time does not permit due to rapidly developing plant conditions, the on-duty shift personnel will be required to do their own reviews and to take appropriate action in accordance with present procedures.

Attachment II

NPQA Surveillance Plan in Response to the
Steam Generator Dry Out Event

Consolidated Edison Co., Inc.
Indian Point Unit No. 2
January 16, 1988