

August 18, 1989

Docket No. 50-293

Boston Edison Company
 ATTN: Mr. Ralph G. Bird
 Senior Vice President - Nuclear
 Pilgrim Nuclear Power Station
 RFD #1 Rocky Hill Road
 Plymouth, Massachusetts 02360

Gentlemen:

Subject: Reactor Operation up to Seventy-Five (75) Percent Power

References: (1) Boston Edison Power Ascension Test Program, dated
 August 31, 1988; Updated October 27, 1988
 (2) Confirmatory Action Letter 86-10, April 12, 1986 and
 Supplements dated August 27, 1986 and December 30, 1988

This letter approves reactor operation up to seventy-five (75) percent of full power in accordance with Boston Edison Company's (BECO) Power Ascension Test Program and NRC Confirmatory Action Letter 86-10 and its supplements. This letter neither imposes any new requirements nor releases Boston Edison from any existing requirements contained in the Facility License or Technical Specifications. The staff finds that management performance, plant material condition and operational performance support proceeding to the next phase of the Power Ascension Program.

The bases for approving the continuation of the Power Ascension Program consist of: (1) successful completion of the Power Ascension Program up to 50% power, (2) a comprehensive assessment of plant and personnel performance by BECO during this phase of plant startup, and (3) NRC staff inspection and review activities which have confirmed the safety of operations by both the staff and management of BECO during this phase of plant startup. Enclosure (1) is a summary of NRC findings which either have been or will be docketed in NRC inspection reports 50-293/89-07 and 89-08. The most recent inspection activities, by the NRC Restart Staff, monitored and verified selected aspects of your power ascension activities including your own management assessments of the performance of your facility and personnel. Based upon our conclusion that the facility is being safely operated and satisfactorily managed, and is ready for the next phase of power ascension, the NRC has no objection to plant operation at power levels up to 75% of full power.

Additionally, the current status of emergency preparedness for the communities surrounding the Pilgrim Station as compiled by the staff and reported to the Commission is shown in Enclosure 2. We continue to encourage cooperative and expeditious action by Boston Edison and the Commonwealth and local governments to further improve the state of emergency preparedness for the area surrounding the Pilgrim facility.

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BECO 75 PERCENT LTR - 0001.0.0
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 PDR ADOCK 05000293
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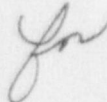
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AUG 18 1989

No reply to this letter is required. Should you have questions, please contact the NRC Region I office promptly.

Sincerely,

Original Signed By:
Thomas T. Martin



William T. Russell
Regional Administrator

Enclosures:
As stated

cc w/encls:

L. Gustin, Vice President - Corporate Relations
K. Highfill, Station Director
R. Anderson, Plant Manager
J. Keyes, Licensing Division Manager
E. Robinson, Nuclear Information Manager
R. Swanson, Nuclear Engineering Department Manager
The Honorable Edward M. Kennedy
The Honorable Edward J. Markey
The Honorable Edward P. Kirby
The Honorable Peter V. Forman
Chairman, Board of Selectmen, Plymouth
Chairman, Board of Selectmen, Duxbury
Chairman, Board of Selectmen, Carver
Chairman, Board of Selectmen, Kingston
Chairman, Board of Selectmen, Bridgewater
Chairman, Board of Selectmen, Marshfield
Mayor, City of Taunton
Plymouth Civil Defense Director
P. Agnes, Assistant Secretary of Public Safety, Commonwealth of Massachusetts
P. Ernst, Committee on Energy, Commonwealth of Massachusetts
B. McIntyre, Chairman, Department of Public Utilities
S. Poilard, Massachusetts Secretary of Energy Resources
N. Johnson, Chairman, Duxbury Nuclear Committee
R. Shimshak, MASSPIRG
R. Boulay, Director, Massachusetts Civil Defense Agency and Office of
Emergency Preparedness
M. Conyngham, Legislative Assistant
M. Jeka, Legislative Assistant
K. Anderson, Legislative Assistant
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Massachusetts (2)

AUG 18 1989

bcc w/encl:

Region I Docket Room (with concurrences)

Management Assistant, DRMA (w/o encl)

- J. Taylor, EDO
- J. Dyer, EDO
- T. Murley, NRR
- F. Miraglia, NRR
- J. Partlow, NRR
- S. Varga, NRR
- B. Boger, RI
- R. Wessman, NRR
- D. McDonald, NRR
- J. Goldberg, OGC
- L. Slaggie, OGC
- M. Callahan, OCA
- W. Russell, RI
- J. Gutierrez, RI
- M. Miller, RI
- W. Kane, RI
- T. Martin, RI
- M. Knapp, RI
- S. Collins, RI
- J. Durr, RI
- R. Gallo, RI
- R. Bellamy, RI
- J. Johnson, RI
- R. Blough, RI
- L. Kolonauski, RI
- R. Bores, RI
- W. Lazarus, RI
- C. Warren, SRI - Pilgrim
- T. Kim, RI - Pilgrim
- C. Carpenter, RI - Pilgrim

B

RI:DRP

Blough/meo
8/16/89

RI:DRP

Johnson
8/17/89

RI:DRP

Collins
8/18

RI:DRP

Kane

RI:RC

Martin
8/18

RI:RA

Russell
8/18

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BECO 75 PERCENT LTR - 0003.0.0
07/24/89

ENCLOSURE 1

Assessment of Licensee Readiness for Release

From NRC Approval Point Number 4 Permitting Operation to 75% Power

I. Background

NRC Confirmatory Action Letter No. 86-10 of April 12, 1986, and the August 27, 1986, supplemental letter identified specific technical issues to be resolved prior to facility restart. In addition, due to other long-term management, hardware and program issues, Boston Edison Company (BECo) submitted a formal power ascension program to the NRC. As specified in the licensee's NRC-accepted Power Ascension Test Program, the licensee must obtain the NRC Region I Regional Administrator's agreement to proceed beyond the 50% NRC approval point to the 75% power plateau. The program includes NRC Regional Administrator approval points at criticality, 5%, 25%, 50%, 75% of full power, as well as a licensee formal assessment and NRC review after completion of the Power Ascension Program, including testing at full power.

By letter dated June 26, 1989, Mr. William T. Russell, Regional Administrator for Region I, agreed with BECo's conclusion to proceed beyond the third approval point and conduct power operations up to 50% of full power. This enclosure provides the NRC Restart Assessment Panel's assessment of licensee performance since the licensee's request for release from the third approval point.

II. Chronology of Significant Plant Events

- June 19, 1989 Enforcement Conference related to Augmented Inspection Team's (AIT) findings on the April 12, 1989, RCIC system overpressurization event.
- June 26, 1989 Licensee received NRC agreement to proceed from third NRC approval point.
- June 29, 1989 Licensee successfully completed first phase (reactor scram to hot standby) of Shutdown from Outside the Control Room (SDOCR) test.
- June 30, 1989 Pilgrim plant critical at 10:36 p.m.
- July 5, 1989 Licensee completed Control Rod Drive Scram Time testing and plant reached 50% power.

- July 7, 1989 Completion of the test program at 25% - 50% power plateau as described in the August 31, 1988, Pilgrim Nuclear Power Station Power Ascension Program with the exception of core performance tests.

- July 18, 1989 Manual reactor scram due to decreasing condenser vacuum. The degrading condenser vacuum was due to two sets of steam jet air ejectors in service concurrently during air ejector shifting, exceeding the heat removal capacity of the air ejector condensers. The root cause was an inadequate procedure.

- July 19, 1989 Licensee presentation of results of Power Ascension Program at 25% to 50% power plateau to the NRC Pilgrim Restart Assessment Panel.

Supplemental Enforcement Conference to further discuss issues related to the April 12, 1989, RCIC system overpressurization event.

- July 24, 1989 Licensee requested NRC Restart Assessment Panel agreement to proceed from the fourth NRC approval point in their NRC-accepted Power Ascension Program.

- July 26, 1989 Pilgrim plant critical at 12:47 a.m.

- August 1, 1989 Completion of Local Power Range Monitor calibrations therefore completing the test program at the 25%-50% power plateau.

- August 2, 1989 During a filling and venting operation on the isolated "C" condensate pump, the pump suction strainer box and expansion joint were found to be deformed due to overpressurization. Cause was determined to be personnel error.

- August 10, 1989 B&Co conducted a briefing for the NRC staff and the Pilgrim Restart Assessment Panel members on the results of licensee review of the condensate pump suction strainer box and expansion joint deformation, and again requested NRC agreement to proceed.

- August 14, 1989 NRC Restart Assessment Panel teleconference to review August 2 event and NRC Restart Staff followup of inspection results.

III. Staff Evaluation

1. The NRC Restart Assessment Panel considered the following approval point release criteria to evaluate the conduct of the Pilgrim Power Ascension Test Program and consider approval of the licensee's continuation of power ascension up to 75% of full power:
 - a. Plant status and equipment operability
 - b. Management/personnel performance and oversight activities
 - c. Power Ascension Testing Program adequacy
 - d. Power Ascension Test Program results
 - e. NRC inspection coverage and program status
2. Staff assessment of licensee performance is as follows:
 - a. Plant Status and Equipment Operability

The licensee has determined and the NRC is satisfied that all equipment required for continuation of the Power Ascension Program is operable. When equipment inoperabilities have occurred, the licensee has handled them conservatively and within Technical Specification requirements. Required non-safety-related equipment is in a condition that supports safe plant operation. Surveillance tests are up-to-date with no significant identified discrepancies. The licensee's management review of facility operation up to fifty percent power is complete. Operation of the facility was conducted in a safe manner and concerns raised by the NRC and BECo management regarding facility operations have been appropriately addressed.

During this power ascension plateau, the licensee has experienced degraded condenser vacuum due to fouling of the condenser tubes with mussels and algae. Following the manual reactor scram on July 18, 1989, the licensee performed manual cleaning of the condenser water boxes, the salt service water bay and the turbine building and reactor building component cooling water heat exchangers in order to remove the buildup of mussels and algae. The Pilgrim plant restarted on July 26, 1989, following minor maintenance and removal of accessible fouling. The licensee then returned the plant to the 50% power level plateau and completed core performance surveillance testing.

On August 2, 1989, following removal of the "C" condensate pump suction strainer, the pump and strainer box were being filled from the discharge of the "A" condensate pump prior to placing

the "C" pump back into service. The pump strainer box and expansion joint sustained structural deformation due to overpressurization. The "C" condensate pump and related equipment is not safety-related and does not impact operation at 50% power. The condensate pumps are described in the FSAR as one-third capacity, and normally all the condensate pumps are used above 60% power. Following the event, the licensee performed evaluations that concluded that the plant could operate at 75% with two of three condensate pumps operating. Repairs were completed and tested August 14 to restore operability of the third pump.

Licensee review determined that the root cause was that the procedure intended to govern the particular fill and vent operation was not accurately followed and this deviation from procedural adherence resulted in the structural damage to the pump strainer box and expansion joint. The licensee has fabricated and installed a new spool piece with a vent line in place of the damaged strainer box and has replaced the expansion joint. Detailed engineering analyses on affected condensate piping and components have shown that the condensate system is acceptable for full power operation.

The NRC Restart Assessment Panel is satisfied that all equipment required for continuation of the Power Ascension Program is operable.

b. Management/Personnel Performance and Oversight Activities

The NRC Restart Staff has continued to monitor management and personnel performance on an as-needed basis, including periods of around-the-clock coverage since startup. BECo management has been found to be responsive to NRC concerns and to be performing in a cautious, deliberate manner. Licensee peer evaluators were observed and have been providing good feedback to personnel. Operators were generally knowledgeable of their duties and plant conditions and management maintains an active and effective oversight of operations.

The Restart Inspection Staff observed Phase I of the licensee's SDOCR test. The licensee's preparation, conduct and critique of the SDOCR test was judged to be thorough, professional and complete. Command and control of all evolutions outside the control room by the test crew Nuclear Watch Engineer was excellent and communications between test crew personnel were formal and complete. The NRC concluded that the overall test was highly successful. Phase 2 of the test will be completed in conjunction with scheduled outage shutdown in the fall of 1989.

As a result of the decreasing condenser vacuum experienced during the swap over of steam jet air ejectors on July 18, 1989, the licensee manually scrambled the reactor prior to reaching the automatic reactor scram setpoint for low condenser vacuum. This action by the licensee was prompt and conservative. The licensee also aggressively investigated the cause of the air ejector failure and implemented appropriate corrective actions.

As a result of the structural damage in the "C" condensate pump strainer box and expansion joint, licensee management pursued and addressed the root causes of the overpressurization. The licensee has reviewed and assessed their published directives and policies regarding procedural compliance and conducted interviews with all licensed operators to determine their understanding of procedural compliance for balance of plant as well as safety systems. Appropriate corrective actions have been implemented. Operators have been briefed on management's policy regarding procedural compliance. An evaluation of balance of plant activities which currently are not procedurally controlled is being conducted to determine the appropriateness of having a procedure to control the activity. The Restart Panel assessed this event to determine if the causes were related to those identified during the April 1989 AIT or the June 9, 1989 RCIC valve area temperature monitoring event. The Panel concluded that the causes of the August 2, 1989 event were not so closely related to those of the earlier events as to indicate ineffectiveness of prior corrective actions. Licensee actions in response to each event have been reasonably aggressive and thorough.

The NRC Restart Assessment Panel has concluded that the licensee management and plant staff performance support proceeding to 75 percent of full power.

c. Power Ascension Testing Program Adequacy

The licensee's Power Ascension Test Program continues to be in place and implemented in accordance with the licensee's commitments documented in the December 30, 1988 supplement to Confirmatory Action Letter 86-10. No significant problems or technical issues are outstanding as a result of implementing this program.

d. Power Ascension Test Program Results

The NRC is satisfied that tests and conditions required to be completed by the licensee during performance of the NRC-accepted Power Ascension Program up to 50 percent of rated power have been completed. Satisfactory results were achieved during the performance of:

- (1) Shutdown from Outside the Control Room Test (phase I)
- (2) CRD Scram Time Tests
- (3) Reactor Engineering Testing
- (4) Drywell Temperature Profile Measurements

Also, the NRC evaluated licensee management and plant staff performance during planned periods of normal operations at about 50% of rated power. During this period, licensee management had, as planned, reduced the level of oversight of operations. The NRC panel has concluded that plant operations are being conducted safely and conservatively.

The NRC has reviewed BECo's actions on those inspection findings which had potential to impact further reactor operations and found no outstanding issues which would preclude the licensee from proceeding up to 75% full power.

e. NRC Inspection Coverage and Program Status

The NRC integrated inspection plan covering activities from 50% to 75% rated power has been approved. The inspection plan and inspection coverage levels are equivalent to those delineated in the Pilgrim Restart Staff Operating Plan dated October 13, 1988, for the Power Ascension Test Program.

There are no open allegations at Pilgrim requiring further inspection.

There are no enforcement actions pending which would preclude continued plant operations. Although deliberations are ongoing to establish the appropriate enforcement actions for the April 12, 1989 RCIC system overpressurization event, the licensee has already implemented corrective actions. Reviews by the NRC Staff indicate that the corrective actions for these events were acceptable and formed a reasonable basis to conclude that such events would not recur. Therefore, the panel concludes that any pending enforcement decision for the April 12, 1989, event does not preclude operation up to 75% of full power.

IV. Conclusion

The NRC continues to monitor the facility operation and licensee actions in conjunction with the Pilgrim Nuclear Power Station Power Ascension Program. The licensee has completed the activities of the Power Ascension Program from 25% to 50% power. BECo has conducted oversight of those activities, assessed performance and requested agreement from NRC to proceed

to the next NRC approval point of 75% power. The NRC Power Ascension Program Restart Inspection Staff has monitored licensee activities and conducted an independent assessment of operational training, personnel and equipment performance. The NRC Restart Panel noted that the licensee approached plant operations in a conservative, safety-conscious manner.

On July 19, 1989, (and subsequent telephone conversations on July 24, 1989, and August 7, 10 and 14, 1989), the Pilgrim Restart Assessment Panel convened in the Region I Office to review licensee readiness to proceed beyond 50% power. Presentations were made by the licensee and the NRC Restart Manager. The basis for the BECo performance evaluation conclusion was reviewed and NRC inspection activity results were assessed. Based on these activities, the Restart Assessment Panel is satisfied that plant operations up to 75% of full power can proceed in a safe and deliberate manner.

ENCLOSURE 2

Current Status of Emergency Preparedness for the Communities Surrounding the Pilgrim Station

Progress continues to be noted in the state of emergency preparedness for Pilgrim in the areas of training of personnel, in the identification and resolution of Reception Center issues, in supplying equipment to local towns, in the active and visible involvement in the review process by the Federal Emergency Management Agency (FEMA), and in the scheduling and planning for the October 1989 full-participation emergency exercise.

Plymouth has 91 of 92 implementing procedures approved in concept by the Board of Selectmen. All 92 procedures have been forwarded to the Massachusetts Civil Defense Agency (MCDA) for review and Plymouth has authorized MCDA to forward all but the school procedure to FEMA. Plymouth has requested technical assistance from MCDA on the school procedure.

In Duxbury, all 44 of the procedures have been reviewed by the Department Heads and the review committee and were forwarded to the Board of Selectmen on May 1, 1989. The Board of Selectmen met on May 13, 1989, to review the procedures. FEMA attended this meeting. The procedures were returned to the review committee for further review and comment. Additionally, Department Heads were tasked with responding to specific Selectmen questions.

The other towns have received a copy of the FEMA technical review of their emergency plan and implementing procedures. There are no major issues identified and the towns are working to address FEMA comments.

Overall training continues to progress. The Commonwealth has been working closely with BECo and the towns to approve lesson plans. To date, 15417 of 20397 hours of training for state, federal and local agencies has been completed.

Progress continues on the reception centers. In Taunton, all equipment is in place and available for use. Staff has been identified for all reception center activities and training is continuing. In Bridgewater, all equipment is in the town and available for use at the reception center. Staff has been identified for first shift operations and approximately 50% of second shift operations. The Bridgewater State College Board of Trustees approved the use of the college as a reception center. The Chairman has been empowered to enter into a Letter of Agreement for this use. This agreement has been reviewed by legal counsel, executed by BECo and forwarded on May 25, 1989, to the Board of Trustees. In Wellesley, decontamination facilities have been located on-site. There are no major equipment needs outstanding. BECo and the Commonwealth are actively working on identifying Congregate Care facilities as well as additional parking arrangements at Wellesley. Training for Department of Public Works personnel has commenced.

The Commonwealth has agreed to the publishing of the Public Information Brochure (PIB). The PIB was sent to the publisher on July 10, 1989. It is scheduled to be distributed in late August or early September, 1989.

The staff has continued to attend planning meetings with town Civil Defense Directors, local elected officials, Commonwealth and MCDA Area II officials that discuss the status of off-site emergency preparedness. Notable among these meetings were meetings held on June 19, 1989 and July 17, 1989, between FEMA and the Commonwealth Secretary of Public Safety. At the meetings, the Secretary stated that the Commonwealth would continue to work closely with BECo and FEMA to resolve the remaining planning issues and, in particular, continue preparation for the upcoming October 1989 full-participation exercise. At the July 17, 1989 meeting, Secretary Barry discussed the agreements that had been negotiated with BECo regarding the remaining planning issues. FEMA continues to be actively involved with the Commonwealth and local towns, attending many meetings and work sessions, as well as the regular weekly planning meetings. Significant meetings scheduled include a July 31, 1989, follow-up meeting between FEMA and the Commonwealth Secretary of Public Safety.

The attached emergency preparedness summaries provide the July 20, 1989 status of selected emergency preparedness issues for each town surrounding the Pilgrim Station, the Commonwealth and MCDA Area II as compared to that of June 2, 1989. The staff provided the summaries to the respective town officials through the Civil Defense Directors of each area and subsequently contacted each official to verify the accuracy of the summaries.

CARVER EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Carver's corrective action response to FEMA comments has been forwarded to FEMA on 4/28/89. The Emergency Worker Monitoring and Decontamination Station Facility and staff are not currently in place. They are scheduled to be in place in July 1989.

FEMA comments to Carver's corrective action response were received on June 29, 1989 and are being reviewed for incorporation. Carver is negotiating with Plymouth to co-use the Emergency Worker Monitoring and Decontamination Station Facility at the Plymouth Airport. This agreement will depend upon facility co-staffing resources.

TRAINING

1206 of 2198 hours of training completed. Three sessions have been conducted since 2/15/89 and two are scheduled through July 1989.

1306 of 2108* hours of training completed. Six sessions have been conducted since 6/2/89 and none are currently scheduled. Practical training (Hands-on Training) has commenced. Three sessions have been conducted and five are scheduled through August 1989.

STAFFING

23 of 23 first shift operations positions (43 of 46 total) and 4 of 4 first shift administrative positions (6 of 8 total) are filled.

One additional operations position has been identified and trained (currently 44 of 46 total). Recruiting efforts are continuing.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

The pager notification system has been delivered but not yet installed.

EOC

Fully operational.

Fully operational.

*Revised to reflect staffing survey conducted by Carver.

STATUS REVIEWED BY: Helen Capello, Deputy Civil Defense Director

DATE: July 20 1989 By meeting with NRC C. Conklin. No comments.

DUXBURY EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

44 of 44 procedures have been submitted by the committee to the Selectmen. Additionally, the Department Heads have submitted an executive summary of the procedures to the Selectmen. The Selectmen met on May 13, 1989 to receive comments and review the procedures. At that time they returned the procedures to the committee for further review and comment.

44 of 44 procedures have been reviewed by all Department Heads and submitted to the Board of Selectmen along with an executive summary. The citizens Radiological Emergency Response Plan Advisory Committee is reviewing the procedures. The Board of Selectmen met on May 13, 1989 with both the Department Heads and the Advisory Committee in a workshop session to receive comments. As of 7/21/89, the Advisory Committee has reviewed 5 of 44 procedures and is continuing a weekly schedule to review the remaining procedures. Department heads are responding to the Selectmen's questions and comments raised at the May 13, 1989 workshop.

TRAINING

1031 of 2365 hours of training completed. 15 sessions have been conducted since 2/15/89 and four are scheduled through June 1989.

325 of 540 emergency workers have received training with 1031 of 2365 hours of training completed. Practical training (Hands-on Training) has commenced. Three sessions have been conducted with three scheduled through August, 1989.

STAFFING

17 of 20 first shift operations positions (21 of 40 total) and 0 of 5 first shift administrative positions (6 of 10 total) are filled.

31 of 41* operations positions and 8 of 10 administrative positions have been filled.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

The pager notification system has been delivered but not yet installed.

EOC

Fully operational. The telephone has been accepted, but the town requires training on the systems capabilities.

Fully operational.

*Revised to reflect staffing survey conducted by Duxbury.

STATUS REVIEWED BY: Carl O'Neill, Civil Defense Director and Thomas Groux, Duxbury Town Manager

DATE: July 19, 1989 By meeting with NRC C. Conklin. Comments incorporated.

KINGSTON EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Kingston submitted a corrective action response on FEMA comments to FEMA on April 14, 1989.

FEMA comments on Kingston's corrective action response were received on June 29, 1989 and are being reviewed for incorporation.

TRAINING

1208 of 2023 hours of training completed. Seven sessions have been conducted since 2/15/89 and two are scheduled through June, 1989.

1245 of 2023 hours of training completed. Three sessions have been conducted since 6/2/89 and three are scheduled through August, 1989. Practical training (Hands-on Training) has commenced. One session has been conducted and three are scheduled through August, 1989.

STAFFING

22 of 22 first shift operations positions (44 of 44 total) and 5 of 5 first shift administrative positions (10 of 10 total) are filled.

46 of 46* operations positions and 8 of 8* administrative positions are filled.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

The pager notification system has been received by EEC0 but not yet delivered.

EOC

Fully operational.

Fully operational.

*Revised to reflect staffing survey conducted by Kingston.

STATUS REVIEWED BY: Frederick Woodworth, Deputy Civil Defense Director

DATE: July 26, 1989 By telecon with NRC C. Conklin. Comments incorporated.

MARSHFIELD EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Marshfield is reviewing FEMA comments. There are no major problems noted.

FEMA comments to Marshfield's corrective action response were received on June 29, 1989 and are being reviewed for incorporation.

TRAINING

764 of 1951 hours of training completed. 15 sessions have been conducted since 2/15/89 and none are currently scheduled.

1016 of 1951 hours of training completed. Four sessions have been conducted since 6/2/89 and seven are scheduled through July, 1989. Practical training (Hands-on Training) has commenced. Three sessions are scheduled through September, 1989.

STAFFING

27 of 38 operations positions and 1 of 16 administrative positions are filled.

33 of 34* operations positions and 4 of 6* administrative positions are filled.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

The pager notification system has been received by BECo but not yet delivered.

EOC

Renovations complete and equipment is in place. The EOC is fully functional.

Fully operational.

*Revised to reflect staffing survey conducted by Marshfield.

STATUS REVIEWED BY: Maureen Robinson, Civil Defense
Administrative Assistant

DATE: July 19, 1989 By Meeting with NRC C. Conklin. Comments incorporated.

PLYMOUTH EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

90 of 91 IPs have received Selectmen REVIEW AND APPROVAL IN CONCEPT. A joint school committee and Selectmen meeting is scheduled for June 19, 1989 to review and discuss the school IP.

91 of 92 IPs have received Selectmen REVIEW AND APPROVAL IN CONCEPT. All 92 IPs have been forwarded to MCDA for review and Plymouth has authorized MCDA to forward all IPs but the School IP to FEMA for technical review. Plymouth has requested technical assistance from MCDA on the School IP.

Clarifying information added by Plymouth. The School Department IP has been approved by the superintendent but not yet approved by two school committees and has been forwarded to the Selectmen. Saguish/Gurnet IP has been approved, but the egress issue has yet to be resolved. A comprehensive special needs survey has commenced. The Plymouth Airport has been selected for use as the Emergency Worker Monitoring and Decontamination Station. Final approval for use of this facility by the Airport Commission has been received.

TRAINING

4216 of 7402 hours of training completed. 25 sessions have been conducted through 6/1/89. No training scheduled as yet for June.

4216 of 7402 hours of training completed. No sessions have been conducted since 6/2/89 and none are currently scheduled. Practical training (Hands-on Training) has commenced. Two sessions have been conducted and seven are scheduled through August, 1989.

STAFFING

17 of 22 first shift operations positions (32 of 44 total) and 2 of 4 first shift administrative positions (2 of 8 total) are filled.

No change.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

BECo has received the pager notification system but has not yet delivered it.

EOC

Fully operational.

Fully operational.

STATUS REVIEWED BY: J. Douglas Hadfield, Director, Office of
Emergency Preparedness and Alba Thompson, Chairman, Board of
Selectmen.

DATE: July 18, 1989 By meeting with NRC C. Conklin. Comments
incorporated.

BRIDGEWATER EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Bridgewater's corrective action response to FEMA comments has been forwarded to FEMA on April 28, 1989. The Plymouth County C-Med Radio system, which coordinates movement of ambulances to hospitals within the county, is scheduled for elimination June 30, 1989. This planning issue is being addressed by working on an agreement to extend funding for the system.

FEMA comments on Bridgewater's corrective action response has been received on June 29, 1989 and is being reviewed for incorporation.

TRAINING

567 of 1124 hours of training completed. Seven sessions have been conducted since 2/15/89 and none are currently scheduled.

647 of 1124 hours of training completed. Practical training (Hands-on Training) has commenced. Specific information not available at this time

EOC STAFFING

19 of 19 first shift operations positions (38 of 38 total) and 4 of 4 first shift administrative positions (8 of 8 total) are filled.

No change.

EQUIPMENT

A pager notification system has been identified and ordered. There are no other identified equipment needs.

BECO has received the pager notification system but has not yet delivered it.

EOC

Fully operational. The photocopier has been delivered, other status is unchanged.

No change.

RECEPTION
CENTERS

The Bridgewater State College board of Trustee's approved the use of the college for a reception center. Bridgewater and BECo attorneys concur on the agreement. The agreement has been executed by BECo and forwarded on May 25, 1989 to the board of Trustee's.

The Secretary of Public Safety has agreed to work with Bridgewater State College to expedite training of staff and to acquire the necessary approvals for renovations.

STATUS REVIEWED BY: Frank Maher, Executive Secretary

DATE: July 27, 1989 By telecon with NRC C. Conklin. Comments incorporated.

TAUNTON EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Taunton's corrective action response to FEMA comments has been forwarded to FEMA on April 28, 1989. There are no major problems noted.

The Emergency Plan and Procedures have been revised to incorporate FEMA comments and to reflect the change in the Reception Center location. These revisions have been provided to MCDA.

TRAINING

1088 of 2008 hours of training completed. Nine sessions have been conducted since 2/15/89 and one is scheduled through June, 1989.

1212 of 2008 hours of training completed. Three sessions have been conducted since 6/2/89 and seven are scheduled through August, 1989. Practical training (Hands-on Training) has commenced. Two sessions have been conducted and four are scheduled through August, 1989.

EOC STAFFING

20 of 20 first shift operations positions (38 of 40 total) and 5 of 5 first shift administrative positions (10 of 10 total) are filled.

All operations and administrative positions are filled.

EQUIPMENT

Traffic control equipment ordered and received by BECo and additional communications equipment ordered by BECo, with some received.

All equipment has been delivered and is in place. There are no identified equipment needs.

EOC

Fully operational.

Fully operational.

RECEPTION
CENTERS

BECo is negotiating with Taunton to establish a reception center at the Taunton High School. A decision will be made at the next scheduled school committee meeting.

The Taunton School Committee voted to designate the Taunton High School as the city Reception Center and the Mayor subsequently designated this facility for Taunton. All equipment has been moved to the high school. The Taunton State Hospital is no longer used as a Reception Center.

STATUS REVIEWED BY: Donna Gordon, Assistant Civil Defense Director

DATE: July 18, 1989 By meeting with NRC C. Conklin. Comments incorporated.

MCDA AREA II EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

Revision 7 of the emergency plan, including corrective action to FEMA review comments and letters of agreement was submitted to FEMA on June 5, 1989. Procedure revisions are continuing.

No Change.

TRAINING

48 of 300 hours of training completed. One session has been conducted since 2/15/89 and two are scheduled through June 1989.

25* of 406** hours of training completed. Two sessions have been conducted since June 2, 1989 and none are currently scheduled. The Commonwealth has agreed to expedite the scheduling of training for the Area II staff.

STAFFING

20 of 20 first shift operations positions (40 of 40 total) and 3 of 3 first shift administrative positions (6 of 6 total) are filled.

No change. The Secretary of Public Safety has agreed to utilize the National Guard to staff Area II positions.

EQUIPMENT

Status boards and maps to be delivered by BECo. Additional communications equipment to be ordered by BECo.

No change.

EOC

BECo to renovate an area adjacent to the EOC and supply additional equipment.

BECo and the Commonwealth have agreed on the scope of renovations to the Area II EOC. The Commonwealth has agreed to expedite the approvals so renovation can commence.

* Reduction in training hours completed reflects loss of training hours due to staff personnel changes.

** Estimate based upon revised staffing needs.

STATUS REVIEWED BY: Thomas Rodger, Director MCDA Area II

DATE: July 27, 1989 By telecon with NRC C. Conklin. No
comments.

COMMONWEALTH OF MASSACHUSETTS EMERGENCY PREPAREDNESS STATUS

AS OF 6/2/89

AS OF 7/20/89

EMERGENCY PLAN AND IMPLEMENTING PROCEDURES	The emergency plan was forwarded to FEMA for a technical review on 1/26/89.	All procedures are drafted and in various stages of review.
TRAINING	872 of 2008 hours of training completed. These numbers reflect supporting state departments.	1156 of 5550* hours of training completed. These numbers reflect supporting state departments, including Wellesley staff.
STAFFING	All EOC positions are fully staffed.	No Change.
EQUIPMENT	There are no outstanding equipment needs, although EPZ and Ingestion Pathway Zone (IPZ) maps need to be updated.	No Change.
EOC	The EOC was fully operational.	Fully operational.
RECEPTION CENTERS	All major equipment including decontamination facilities and monitoring equipment is in place at Wellesley. Work is continuing on the installation of utilities for the decontamination facilities. BECo is working to develop short range plans and procedures for utilization of Wellesley as a Reception Center. The Commonwealth and BECo continue to develop long range plans and procedures. Training has begun for DPW personnel at Wellesley for introduction and overview.	BECo and the Commonwealth have reached agreement on the scope of renovations at Wellesley. BECo and the Commonwealth also agreed to expedite completion of the Emergency Plan and Procedures for Wellesley.
TRANSPORTATION PROVIDER TRAINING	3536 of 6000 hours of training complete. Two sessions have been conducted since 2/15/89 and one is scheduled through June 1989.	3563 of 6000 hours of training complete. No sessions are currently scheduled.

TRANSPORTATION
PROVIDER
LETTERS OF
AGREEMENT

Complete. After adequate training has been provided, the Commonwealth will conduct a test to determine the adequacy of these letters.

No Change. FEMA is reviewing these agreements and comments are scheduled in late July, 1989.

PUBLIC
INFORMATION
BROCHURE

The Public Information Brochure was submitted to FEMA for technical review on March 31, 1989. MCDA received FEMA comments on June 5, 1989 and is currently reviewing these comments.

The Commonwealth and BECo have reached agreement of publishing the Public Information Brochure. The Commonwealth and BECo agreed to support a schedule for distribution in late August or early September, 1989. BECo reported the Brochure was sent to the publisher on July 10, 1989.

*Revised based upon additional staff identified for Wellesley.

STATUS REVIEWED BY: Jeffrey Hausner, Director, Nuclear Safety and Emergency Preparedness

DATE: July 27, 1989 By telecon with NRC C. Conklin. Comments incorporated.