

MS891006
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

October 6, 1989

MEMORANDUM FOR: James M. Taylor
Acting Executive Director for Operations

FROM: Samuel J. Chilk, Secretary

SUBJECT: STAFF REQUIREMENTS - OPERATION OF THE
PILGRIM NUCLEAR POWER STATION TO FULL
POWER

In a memorandum to the Commissioners, dated October 5, 1989, you indicated the staff's intent to permit Boston Edison Company (licensee) to operate the Pilgrim Nuclear Power Station at power levels up to 100%.

This is to advise you that the commission has no objection to staff's issuance of the proposed letter to Boston Edison Company approving reactor operation at full power in accordance with the licensee's Power Ascension Test Program and NRC Confirmatory Action Letter 86-10 and its supplements.

Accordingly, you may issue the proposed letter to the licensee when ready.

(EDO)

(SECY Suspense: When ready)

Attachment:
As stated

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

MEMORANDUM FOR: James M. Taylor

MS891006.txt

Acting Executive Director for Operations

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

OCT 05 1989

MEMORANDUM FOR: Chairman Carr
Commissioner Roberts
Commissioner Rogers
Commissioner Curtiss

FROM: James M. Taylor
Acting Executive Director for Operations

SUBJECT: OPERATION OF THE PILGRIM NUCLEAR POWER STATION
TO FULL POWER

The staff has completed its review of the performance of the Boston Edison Company during operation of the Pilgrim Nuclear Power Station at power levels up to 75 percent. The results of this review, along with the status of emergency preparedness for the communities surrounding the facility, are shown in enclosures to the attached draft letter.

If acceptable to the Commission, the staff intends to issue the attached letter to approve operation of the facility to full power by close of business October 6, 1989.

This action has been coordinated with the Office of the General Counsel, which has no legal objection to this action.

James M. Taylor
Acting Executive Director
for Operations

Enclosure:
Draft Letter to Boston Edison Company

cc w/encls:
OGC
SECY

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DRAFT

ATTACHMENT

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 to Full 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 at 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 75% 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 more detail in NRC Inspection Reports 50-293/89-08 and 89-10. 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 facility and personnel performance. 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 o

peration
to 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

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DRAFT
Attachment 2

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.

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

Sincerely,

William T. Russell
Regional Administrator

Enclosures: As Stated

cc w/encls:

K. Highfill, Station Director
R. Anderson, Plant Manager
J. Deitrich, Licensing Division Manager
E. Robinson, Nuclear Information Manager
R. Swanson, Nuclear Engineering Department Manager
The Honorable Edward J. Markey
The Honorable Edward P. Kirby
The Honorable Peter V. Forman
The Honorable Lawrence R. Alexander
The Honorable Nicholas J. Costello
The Honorable John F. Kerry
B. McIntyre, Chairman, Department of Public Utilities
Chairman, Plymouth Board of Selectmen

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Chairman, Duxbury Board of Selectmen
Plymouth Civil Defense Director
P. Agnes, Assistant Secretary of Public Safety, Commonwealth of Massachusetts
S. Pollard, Massachusetts Secretary of Energy Resources
R. Shimshak, MASSPIRG
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Massachusetts (2)

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ENCLOSURE 1

ASSESSMENT OF LICENSEE READINESS FOR RELEASE

FROM NRC APPROVAL POINT NUMBER 5 PERMITTING OPERATION TO FULL 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 75% NRC approval point to full power. The program includes NRC Regional Administrator approval points at 5%, 25%, 50%, 75% of full power, as well as requiring a licensee formal assessment and NRC review after completion of the Power Ascension Program, which includes testing at full power.

By letter dated August 18, 1989, Mr. Thomas T. Martin, Acting Regional Administrator for NRC Region I, authorized BECo to proceed beyond the fourth approval point and conduct power operations up to 75% of full

power. This enclosure provides the NRC Restart Assessment Panel's evaluation of licensee performance since the licensee's request for release from the fourth approval point.

II. Chronology of Significant Plant Events

-- August 18, 1989 Licensee received NRC agreement to proceed from fourth NRC approval point.

-- August 21, 1989 Licensee completed surveillance tests on the main turbine, turbine control/stop valves, turbine bypass valves, main steam isolation valves and jet pump calibrations at 60% power and the plant subsequently reached 75% power.

-- August 24, 1989 The test program was completed at the 50% - 75% power plateau as described in the August 31, 1988 Pilgrim Nuclear Power Station Power Ascension Program.

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Enclosure 1

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-- August 30, 1989 The reactor automatically scrammed on high reactor vessel pressure. A random component failure, possibly due to aging, caused the failure of a potential transformer associated with the main voltage regulator. This caused a turbine runback and a reactor scram due to high reactor vessel pressure. All safety systems responded as designed.

-- September 6, 1989 The Pilgrim plant was taken critical at 10:16 p.m.

-- September 18, 1989 The licensee presented results of the Power Ascension Program at the 50%-to-75% power plateau to the NRC Pilgrim Restart Assessment Panel and requested approval to proceed from PATP Approval Point No. 5.

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 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 generally 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 seventy-five 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 were appropriately addressed.

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Enclosure 1

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On August 30, 1989, while the reactor was at about 75 percent power, a Potential transformer associated with the main voltage regulator failed. This caused a turbine runback and a reactor scram due to reactor vessel high pressure. The root cause of the potential transformer failure was determined to be a random component failure, possibly age related. The failure of the potential transformer caused the voltage to the electrical grid and to the Unit Auxiliary Transformer to rise and exceed 115% of the normal operating voltage. The licensee replaced the potential transformer and performed electrical testing of the main generator, main transformer and those safety-related loads that

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were running on the buses at the time. The licensee's corrective actions with respect to this transient were appropriate. Thorough root cause analysis demonstrated that safety-related equipment did not exceed the maximum voltage requirements of the equipment.

As discussed in the previous NRC Approval Point Release Memo for release to 75% power, the licensee continues to experience condenser biofouling problems, necessitating routine power reductions for thermal backwashing at a frequency of approximately once per week.

In summary, 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, around-the-clock basis since startup. BECo management has been found to be generally responsive to NRC concerns and to perform in a cautious, deliberate manner. Licensee peer evaluators were observed and have been providing good feedback to plant personnel. Operators were generally knowledgeable of their duties and plant conditions and management maintains an active and effective oversight of operations.

The licensee has recognized that there were several lapses of performance during this plateau. These fell into two areas, each with two examples. The first area involved initial slowness, with NRC questioning required, to fully analyze the potential for effects on safety related equipment of the following:

- (1) The overvoltage transient resulting from the voltage regulator failure of August 30, and
- (2) A licensee finding that holddown bolts-on a spent fuel pool cooling pump has, at some unknown time in the past, been filed down to less than nominal diameter.

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Enclosure 1

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The second area of performance lapse involved failure to follow

procedures as follows:

- (1) During inspection of holddown bolts on a sampling of pumps in response to the bolting concern addressed above, one maintenance team overtorqued bolts during reinstallation, and
- (2) An effluent release was approved even though computer calculations indicated the release did not meet procedural limits for discharge. (Actually, a data entry error had occurred and effluent radioactivity was well within limits.)

In each case, the licensee's eventual response was thorough and included appropriate reviews, evaluations, and physical inspections. In addition, the licensee conducted an expanded self-assessment before approaching the NRC Restart Assessment Panel to propose release from the 75% approval point. Evaluations by line management, peer evaluators, and Quality Assurance personnel, as reviewed by the Management Oversight and Assessment Team (MOAT), indicated that progress is being made on areas previously identified as needing management attention but additional emphasis is warranted in several areas, including strict procedural compliance, attention to administrative details, and some aspects of the corrective action process (clearinghouse). The licensee also believes that some recent organizational changes will accelerate progress in some areas. These changes include (1) creation of a Vice President - Nuclear Administration position under a recently-hired former Navy Admiral, and (2) elevation of the Regulatory Affairs organization to full department level with full-time representative on the MOAT.

The Panel has reviewed the above issues and licensee evaluations and determined that (1) appropriate actions were taken in response to individual events and (2) the licensee continues to aggressively pursue a consistently high level of performance. The NRC Restart Assessment Panel has concluded that the licensee management and plant staff performance support proceeding to full power. The licensee's performance will continue to be reviewed during the full power plateau of the Power Ascension Test Program (PATP). Also, the NRC Restart Staff will evaluate an upcoming mid-cycle outage, as well as the licensee's return to power following that outage. The NRC Restart Assessment Panel will review the results of the Restart Staff inspections and will evaluate the licensee's PATP final assessment report in conjunction with panel deliberations regarding potential final closure of Confirmatory Action Letter 86-10.

Enclosure

- 5 -

c. Power Ascension Testing Program Adequacy

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

By letter dated July 12, 1989, the licensee indicated intent to defer the second phase of the Shutdown from Outside the Control Room Demonstration from its originally scheduled test plateau (50%) to the Fall 1989 maintenance outage. The staff found this approach acceptable and documented staff agreement in a letter to the licensee on August 18, 1989.

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 75 percent of rated power have been completed. Satisfactory results were achieved during the performance of:

- (1) Reactor Engineering Testing
- (2) Drywell Temperature Profile Measurements

Also, the NRC evaluated licensee management and plant staff performance during planned periods of normal operations at about 75% of rated power. During this period, licensee management had, as planned, reduced the level of operations oversight. The NRC panel has concluded that plant operations are being conducted safely and conservatively.

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

e. NRC Inspection Coverage and Program Status

The NRC integrated inspection plan covering activities from 75% to full 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.

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Enclosure 1

- 6 -

There are no open allegations at Pilgrim affecting this recommendation. One recently received allegation is presently under review by the NRC.

There are no enforcement actions pending which would preclude continued plant operations. On August 23, 1989, the NRC issued a Notice of Violation and Proposed Imposition of Civil Penalty for the April 12, 1989 RCIC system overpressurization event. However, the licensee had already implemented corrective actions. Reviews by the NRC Staff indicated that the corrective actions for those events were acceptable and formed a reasonable basis to conclude that such events would not recur. NRC Region I Inspection Report 50-293/89-07 details three violations (Level IV) concerning the changeout of equipment and control identification name plates on control room front panels without procedural controls or a maintenance request, failure to perform an adequate procedural review for the testing of logic relays, and having only one instrument channel in one trip system operable for the RCIC turbine compartment wall temperature detection function when two were required. However, the Panel has determined that corrective actions for these issues are sufficient to support continued plant operation. Therefore, the panel concludes that there are no pending enforcement issues which would preclude operation up to full power.

IV. Conclusion

The NRC continues to monitor 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 50% to 75% power. BECo has conducted oversight of those activities, assessed performance and requested agreement from NRC to proceed to the next NRC approval point of full 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 licensee occasionally was slow in initially identifying potential safety concerns related to plant equipment. However, after questioning by the NRC Restart Staff, the licensee performed a thorough engineering analysis of the events and took appropriate corrective actions where warranted. Additionally, although isolated procedural compliance issues continue to exist, the licensee continues to aggressively pursue and emphasize strict procedural compliance. The NRC Restart Panel noted that the licensee approached plant operations in a generally conservative manner.

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Enclosure 1

- 7 -

On September 18, 1989 the Pilgrim Restart Assessment Panel convened in the NRC Region I offices to review licensee readiness to proceed beyond 75% power. Presentations were made by the licensee and the NRC inspection program 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 full power can proceed in a safe and deliberate manner.

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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 MCDA for review and Plymouth has authorized MCDA to forward all but the school committee procedure to FEMA. All procedures except the school procedure were subsequently forwarded to FEMA on August 8, 1989. 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. On July 28, 1989, the Town of Duxbury voted to send the updated drafts of the Emergency Plan and Implementing Procedures to MCDA. They also requested MCDA to forward these drafts to FEMA for review and comment. These were subsequently forwarded to FEMA on August 8, 1989.

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, approximately 70% of training, (based upon BECo status) 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 receipt

ion

center activities and training is essentially complete. In Bridgewater, all

equipment is in the town and available for use at the reception center. Staff

has been identified for all positions except registration. A pool of personnel

is available for registration, but the individuals have not yet been selected.

On September 6, 1989, Bridgewater State College approved the agreement for Reception Center renovations. In Wellesley, decontamination facilities

are in place on-site. There are no major equipment needs outstanding. BECO and the

Commonwealth are actively working to identify Congregate Care facilities. BECO

recently completed an agreement with a life insurance company with a large

large

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Enclosure 2

2

parking garage across the street to allow use of the facility in an emergency.

Training for Department of Public Works personnel has commenced. Renovations

have not yet commenced.

The Public Information Brochure has been published; distribution began the week

of August 21, 1989 and is complete.

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. FEMA and the

Commonwealth Secretary of Public Safety continue to hold regular meetings.

These meetings have been invaluable in addressing the remaining issues to be

completed prior to the exercise. 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. A Regional Assistance Committee (RAC) meeting was held on September 6, 1989 at which the Emergency Plan and Implementing Procedures for Plymouth and Duxbury were reviewed. No significant problems were noted. Significant meetings scheduled include a September 28, 1989 follow-up meeting between FEMA and the Commonwealth Secretary of Public Safety and a RAC meeting on October 3, 1989.

The attached emergency preparedness summaries provide the September 8, 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 July 20, 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.

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CARVER EMERGENCY PREPAREDNESS STATUS

	AS OF 7/20/89	AS OF 9/8/89
EMERGENCY PLAN Carver AND IMPLEMENTING n PROCEDURES the vised Work novate ort for	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	FEMA comments to corrective action response have been incorporated and emergency plan re of June 30, 1989. is underway to re the Plymouth Airport use as an Emergen

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and
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Decontamination station
Facility at the Plymouth
Airport. This agreement
will depend upon facility
co-staffing resources.

Worker Monitoring
Decontamination S
This renovation i
showers and chang
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of staffing is in
progress.

TRAINING
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training
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is

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.

75% of the traini
has been complete
session has been
conducted since J
1989. Practical
(Hands-on Trainin
continuing. Four
sessions have bee
conducted and one
scheduled through
September 1989.

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

A staffing survey
conducted by Carv
identified two ad
positions. Curre
of 48 positions a
filled. Recruti
efforts are conti
for the remaining
position.

EQUIPMENT

The pager notification

The pager notific

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ation	system has been delivered	system has been d
elivered	but not yet installed.	and installed. P
agers		are currently bei
ng		distributed.
EOC	Fully operational.	Fully operational
.		

STATUS REVIEWED BY: Helen Capello, Deputy Civil Defense Director

DATE: September 8, 1989 By telecon with NRC C. Conklin. Comments incorporated.

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DUXBURY EMERGENCY PREPAREDNESS STATUS

	AS OF 7/20/89	AS OF 9/8/89
EMERGENCY PLAN	44 of 44 procedures have	On July 28, 1989
the to	been reviewed by all	of Duxbury voted
AND	Department Heads and	forward the updat
to	submitted to the Board of	drafts of the Eme
IMPLEMENTING	Selectmen along with an	Plan and Implemen
ed	executive summary. The	Procedures to MCD
PROCEDURES	citizens Radiological	also requested MC
rgency	Emergency Response Plan	forward these dra
ting	Advisory Committee is	FEMA for technica
A. The	reviewing the procedures.	and comment (and
DA to	The Board of Selectmen	used for that pur
fts to	met on may 13, 1989 with	only) and they we
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1989.
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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.

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FEMA on August 8,
As of 9/8/89, the
Advisory committe
reviewed 6 of 44
procedures.

TRAINING
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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.

53% of the traini
has been complete
Practical trainin
(Hands-on Trainin
continuing. Five
sessions have bee
completed since 7
and one is schedu
through September

STAFFING
of 18
ons, 11
ons

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

6 of 7 executive
10 positions, 16
operations positi
of 12 communicati
positions and 12

of 12
are
al of 45

support positions
filled, for a tot
of 49*.

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

The pager notific
system has been i
and the pagers ar
scheduled for
distribution the
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portable radios h
identified as bei
needed by the Sch
department. Proc
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EOC
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Fully operational.

Fully operational

*Revised to reflect staffing survey conducted by Duxbury.

STATUS REVIEWED BY: Carl O'Neill, Civil Defense Director

DATE: September 11, 1989 By telecon with NRC C. Conklin.
Comments incorporated.

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AS OF 7/20/89

AS OF 9/8/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

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

No Change.

TRAINING
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1245 of 2023 hours of
training completed.

77% of the traini
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September, 1989.

STAFFING

44 of 46 operations
positions and 7 of 8
administrative positions
are filled.

No change.

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

The pager notific
system is operati

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There are no othe

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EOC Fully operational. Fully operational
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STATUS REVIEWED BY: Frederick Woodworth, Deputy Civil Defense
Director

DATE: September By telecon with NRC C. Conklin. No
comments.

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MARSHFIELD EMERGENCY PREPAREDNESS STATUS

AS OF 7/20/89

AS OF 9/8/89

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

FEMA Comments to
Marshfield's corr
action response h
incorporated and
Emergency Plan re

TRAINING
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session
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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.

58% of the traini
has been complete
sessions have bee
conducted since 7
Practical Trainin
(Hands-on Trainin
continuing. Two
are scheduled thr
September, 1989.

STAFFING	33 of 34 operations Positions and 4 of 6 administrative positions are filled.	No change.
EQUIPMENT ation gers are ed.	The pager notification system has been received by BECo but not yet delivered.	The pager notific system has been delivered, but pa not yet distribut
EOC .	Fully operational.	Fully operational

STATUS REVIEWED BY: Maureen Robinson, Civil Defense
Administrative Assistant

DATE: September 11, 1989 By telecon with NRC C. Conklin.
Comments incorporated.

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PLYMOUTH EMERGENCY PREPAREDNESS STATUS

AS OF 7/20/89

AS OF 9/8/89

EMERGENCY PLAN AND IMPLEMENTING PROCEDURES	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.	No change.
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Clarifying information added by Plymouth. The School Department IP has not yet been approved by two school committees, but has been forwarded to the Selectmen and then to the State for technical review. The Saquish/Gurnet egress issue has still not been resolved. A State run special needs survey is underway and should be completed in about 60 days. The renovation of the Plymouth Airport hanger is underway and training has resumed for the Emergency Worker Monitoring and Decontamination Station personnel.

<p>TRAINING s training duled 1989. g g) is n uly 20, e</p>	<p>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.</p>	<p>59% of training i completed. Five sessions are sche through September Practical trainin (Hands-on Trainin continuing. Nine sessions have bee conducted since J 1989 and three ar scheduled through September, 1989.</p>
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<p>STAFFING ift ons (41 5 of 10 tive are</p>	<p>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.</p>	<p>21 of 22 first sh operations positi of 42 total) and of the administra support positions filled.</p>
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<p>EQUIPMENT</p>	<p>BECO has received the</p>	<p>The pager system</p>
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MS891006.txt

has been

pager notification system
but has not yet delivered

delivered and is
functioning well

within

it.

the range of the

police

repeater.

EOC

Fully operational.

Fully operational

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

DATE: September 8, 1989 By facsimile transmission to NRC C.
Conklin. Comments incorporated.

314

BRIDGEWATER EMERGENCY PREPAREDNESS STATUS

AS OF 7/20/89

AS OF 9/8/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

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

No change.

TRAINING
ng goal

647 of 1124 hours of
training completed.

90% of the traini

d.

has been complete

ve been

Eight sessions ha

/20/89.

conducted since 7

g

Practical trainin

g) is

(Hands-on Trainin

e

continuing. Thre

sessions have bee

n

conducted.

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
ng the

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

No change regarding pager notification system. Bridgewater identified a need for hand held radios and a base station CB unit.

n

ter has

for

and a

nit.

EOC

Fully operational.

Fully operational

.

315

RECEPTION
tate
CENTERS
the

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.

The Bridgewater State college approved agreement for Reception Center renovation September 6, 1989. Renovation planning is underway. Staffing for Reception center Managers, Reception

ception

s on

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ng is

ng for

on

Traffic
d
staff had
nd
ogress,
way to
ng
tions.

Center EOC staff,
Control staff, and
Monitoring and
Decontamination s
been identified a
training is in pr
Efforts are under
staff the remaini
registration posi

STATUS REVIEWED BY: Frank Maher, Executive Secretary and L. Perry, Bridgewater State College.

DATE: September 8, 1989 By telecon with NRC C. Conklin. Comments incorporated.

316

TAUNTON EMERGENCY PREPAREDNESS STATUS

AS OF 7/20/89

AS OF 9/8/89

EMERGENCY PLAN
AND
IMPLEMENTING
PROCEDURES

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.

No change.

TRAINING
ng goal
d.

1212 of 2008 hours of training completed. Three sessions have been

82% of the traini
has been complete
Training is consi

dered
ete and
ns are
o the
cal
inuing.
n
h EOC
as a
tical.

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.

essentially compl
no further sessio
scheduled prior t
exercise. Practi
raining (Hands-on
Training) is cont
Sessions have bee
conducted for eac
position as well
combined EOC prac

EOC STAFFING

All operations and
administrative positions
are filled.

No change.

EQUIPMENT

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

No change.

EOC

Fully operational.

Fully operational

317

RECEPTION
ter is
CENTERS
.
cheduled
mber 11,

The Taunton School
Committee voted to
designate the Taunton
High School as the city

The Reception Cen
fully operational
Renovations are s
to commence Septe

MS891006.txt

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. 1989.

STATUS REVIEWED BY: Robert Spearin, Civil Defense Director

DATE: September 11, 1989 By telecon with NRC C. Conklin.
 Comments incorporated.

318

MCDA AREA II EMERGENCY PREPAREDNESS STATUS

	AS OF 7/20/89	AS OF 9/8/89
EMERGENCY PLAN the AND ve been IMPLEMENTING the PROCEDURES vised. comments	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.	FEMA comments on emergency plan ha incorporated and Emergency Plan re MCDA is awaiting from FEMA on the procedures.
TRAINING ng goal d. session or to	25 of 406 hours of training completed. Two sessions have been conducted since June 2, 1989 and none are	58% of the traini has been complete Several training are scheduled pri the September 20,

1989
exercise
currently scheduled. The dress rehearsal e
Commonwealth has agreed to expedite the scheduling of training for the Area II staff.

STAFFING
ersonnel
ied and
enced.
The Secretary of Public Safety has agreed to utilize the National Guard to staff Area II positions. National Guard pe
have been identif
training has comm

EQUIPMENT
Status boards and maps to be delivered by BECo. Additional communications equipment to be ordered by BECo. No change.

EOC
een
tions
d are
pletion
9.
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. The agreement for renovations has b
approved. Renova
have commenced an
scheduled for com
by October 1, 198

STATUS REVIEWED BY: Thomas Rodger, Director MCDA Area II

DATE: September 11, 1989 By telecon with NRC C. Conklin.
Comments incorporated.

COMMONWEALTH OF MASSACHUSETTS EMERGENCY PREPAREDNESS STATUS

	AS OF 7/20/89	AS OF 9/8/89
EMERGENCY PLAN es were AND for IMPLEMENTING on PROCEDURES	The emergency plan was forwarded to FEMA for a technical review on 1/26/89.	MCDA EOC procedur submitted to FEMA technical review August 10, 1989.
TRAINING ng goal d. duled /89 xercise	1156 of 5550 hours of training completed. These numbers reflect supporting state departments, including Wellesley staff.	32% of the traini has been complete Numerous training sessions are sche prior to the 9/20 dress rehearsal e
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 .	Fully operational.	Fully operational
RECEPTION CENTERS	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.	No change.

TRANSPORTATION PROVIDER TRAINING	MS891006.txt 3563 of 6000 hours of training complete. sessions are currently scheduled.	No change. No
TRANSPORTATION is PROVIDER LETTERS OF Comments AGREEMENT early	Complete. After adequate training has been provided, the Commonwealth will conduct a test to determine the adequacy of these letters.	No Change. FEMA reviewing these agreements and co are scheduled in September, 1989.

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PUBLIC he INFORMATION n BROCHURE e week 9 and pletion 1989.	The Commonwealth and BECo have reached agreement of publishing the Public Information Brochure. The Brochure was sent to the publisher on July 10, 1989. Distribution is scheduled for late August or early September, 1989.	Distribution of t Public informatio Brochure began th of August 21, 198 scheduled for com by mid-September,
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STATUS REVIEWED BY: Jeffrey Hausner, Director, Nuclear Safety
and Emergency Preparedness

DATE: September 18, 1989 By telecon with NRC C. Conklin.
Comments incorporated.