

TMI DOCUMENTS

DOCUMENT NO:

TM- C851

COPY MADE ON _____ OF DOCUMENT PROVIDED BY
METROPOLITAN EDISON COMPANY.

Supervisor, Document Control, NRC

POOR ORIGINAL

7909170623

746 253

RADIOLOGICAL REF. # 50

This Radiological Reference changed to # 21

Investigator's Name: Donaldson

Source for this Radiological Reference:

Lee Torggariis - Met. Ed

TM CEST

RADIOLOGICAL REF. #

ENCLOSURE #5

SATISFACTORY COMPLETION OF
RADIATION EMERGENCY DRILL
ACCEPTANCE FORM

This is to certify that the Radiation Emergency Drill conducted on
* 1 - 10/23/78 and follow up corrective actions were sat-
isfactorily completed in accordance with the Radiation Emergency Plan.



Station Superintendent or Designate

11/7/78

Date

POOR ORIGINAL

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: * 1 - 10/23/78DATE: 10/24/78TO: D. SHOULINACTION ITEM NO: 1

ACTION TO BE TAKEN: CHECK PAGE SYSTEM UNITS FOR PROPER
OPERATIONS IN BOTH UNITS. ENSURE MERGE-ISOLATE
SWITCH PROCEDURE IS CORRECT

ACTION RESOLUTION: Checked entire system, repaired general
plasma and ^{work} isolation unit - checked system for operation -
pat.

AM. Brown

SIGNATURE

11-6-78

DATE

RETURN COMPLETED FORM TO
THE SUPERVISOR OF TRAINING.
EMERGENCY DRILL COORDINATOR
L. LANDRY

POOR ORIGINAL
746 256

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE

INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: *1 - 10/23/78

DATE: 10/24/78

TO: M. ROSS / J. Floyd

ACTION ITEM NO: 2

ACTION TO BE TAKEN: ENSURE ALL OPERATIONS PERSONNEL KNOW
WHERE TO REPORT AND THEIR RESPONSIBILITIES DURING
AN EMERGENCY (ESPECIALLY A.O.'S)

ACTION RESOLUTION: all personnel were
reminded - ops has a
written assignment for each
A.O. by Watch Position. They
have been reminded to follow
this

M. Ross
SIGNATURE

11/1/78
DATE

RETURN COMPLETED FORM TO

THE SUPERVISOR OF TRAINING

EMERGENCY DRILL COORDINATOR
L. LANDRY

POOR ORIGINAL

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: *1 - 10/23/78
TO: R. Dubiel

DATE: 10/24/78
ACTION ITEM NO: 3

ACTION TO BE TAKEN: Need additional status board in Control Room. Emergency Kit Air Sample replaced. Change to Emergency Plan for new telephone *5.

ACTION RESOLUTION: All items completed as indicated above

L. Landry
SIGNATURE

10/27/78
DATE

RETURN COMPLETED FORM TO
THE SUPERVISOR OF TRAINING.

L. LANDRY

746 258

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: * 2 - 10/25/78

DATE: 10/26/78

TO: M. Ross / J. Floyd

ACTION ITEM NO: 1

ACTION TO BE TAKEN: Operations Personnel to reread 1670.4
- Calculations Procedure, especially liquid release
calculations.

ACTION RESOLUTION: ALL OPS Dose Assessment
Personnel were Directed To
Review These Calculations.

[Signature]
SIGNATURE

11/1/78
DATE

RETURN COMPLETED FORM TO
THE SUPERVISOR OF TRAINING.

L. LANORY

POOR ORIGINAL

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: *2 - 10/25/78DATE: 10/26/78TO: J. FloydACTION ITEM NO: 2

ACTION TO BE TAKEN: Post RmL7 sensitivity, alert, and
high alarm values adjacent to the *6 recorder
in the Unit II Control Room

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE_____
DATE

RETURN COMPLETED FORM TO

~~THE SUPERVISOR OF TRAINING.~~L. Landry

1670.9
Revision 4
1/16/78

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4

DATE: October 31, 1978

TO: T. Mulleavy

ACTION ITEM NO: 1

ACTION TO BE TAKEN: Ensure that the wily revised site maps have replaced those
outdated.

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4

DATE: October 31, 1978

TO: T. Mulleavy

ACTION ITEM NO: 2

ACTION TO BE TAKEN: Emergency Monitoring Equipment must have inventory and
operational check out prior to use (especially SAM-2)

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4DATE: October 31, 1978TO: G. A. KunderACTION ITEM NO: 3

ACTION TO BE TAKEN: Engineers should immediately relieve the operators in the ECC
using communications hardware and the status board.

ACTION RESOLUTION:

*The Unit 1 Engineers have been
briefed of their responsibility above.*


SIGNATURE10/1/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

POOR ORIGINAL

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4DATE: October 31, 1978TO: L. LandryACTION ITEM NO: 4ACTION TO BE TAKEN: Investigate Walkie-Talkie availability for "Emergency Use Only".

ACTION RESOLUTION: Purchase Reamission on new transmitter
(Security frequency), 4 Remote Control Units, 2
~15 Watt Walkie Talkies. In addition a
PR is submitted for 4 more ~15 Watt W-T's for
"Emergency Use Only" to be stored in ECS

L. Landry
SIGNATURE

11/3/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

POOR ORIGINAL

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4

DATE: October 31, 1978

TO: R. W. Dubiel

ACTION ITEM NO: 5

ACTION TO BE TAKEN: Communications improvement ECC---ECS

ACTION RESOLUTION: We went to both control rooms to see
and resolve problems in the direct hook up between
ECC and ECS. The physical hook up was gone
through with the operators which resolved any
problems that existed --


SIGNATURE
12/18/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

POOR ORIGINAL

1670.9
Revision 4
1/16/78

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4

DATE: October 31, 1978

TO: T. Mulleavy

ACTION ITEM NO: 6

ACTION TO BE TAKEN: Change to Accountability Procedure 1670.7

ACTION RESOLUTION: _____

SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

POOR ORIGINAL

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #3 & 4

DATE: October 31, 1978

TO: D. Barry

ACTION ITEM NO: 7

ACTION TO BE TAKEN: Need communications hardware for Green Office Building (West Side).

Establish Routine Surveillance Program for GAI Page System.

ACTION RESOLUTION: WR 5828 CM 2-0230

The attached WR & CM were initiated To provide GAIronics
communications To The Admin Green Office Bldg

POOR ORIGINAL

Donald E. Barry
SIGNATURE

11/3/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

POOR ORIGINAL

WORK REQUEST APPROVAL
TMI Nuclear Station

Unit No. 2
W.O./Account No. 4011310510

NPRD Form Req'd NA

Work Request No. 5828
Priority 10
Cal. G-ITC

Items 1 through 5 completed by originator

1. System: Communications
2. Component (name & number) GATronics System
3. Describe malfunction and cause of malfunction (if known) or modification desired.
Provide interplant GATronics communications to the personnel working in the Admin. Bldg and also to provide them notification of an emergency drill, Test or real. Rad drill action item #7

4. Originator: D.E. Brown Date/Time: 4/1/78

Originator's Supervisor's Signature C.M. S. Snyder

6. Does work represent a change or modification to an existing system or component?
If yes, an approved change modification is required per AP 1021.

C/M No. _____ Yes ☒ No _____

7a. Does work require an RWP Yes _____ No ☒

7b. Is an approved procedure required to minimize personnel exposure. Yes _____ No ☒

8a. Is work on a QC component as defined in GP 1008. Yes _____ No ☒

8b. If 8a is yes does work have an effect on Nuclear Safety? If 8b is yes, PORC reviewed Superintendent approved must be used. Yes _____ No ☒

9. Agreement that a PORC reviewed, Superintendent approved procedure is not required for this work because it has no effect on nuclear safety. (Applies only if 8a is Yes and 8b is No).

Unit Superintendent

Date

10a. Is the system on the Environmental Impact list in AP 1026 Yes _____ No ☒

10b. If 10a is Yes, is an approved procedure required to limit environmental impact Yes _____ No _____

- c. Agreement that 10b is No. (Required only if 10a is Yes).

Unit Superintendent/Supervisor of Operations

Date

11. Plant status or prerequisite conditions required for work

Open or shutdown

746 268

MAJOR/MINOR CHANGE/MODIFICATION REQUEST FORM

Page 1 of 2

TMI Nuclear Station

Unit No. 2**POOR ORIGINAL**Change Modification No. 2-0230Priority 1AOperator Training YES NOQC YES NO1. System: Communications 2. Component: GAItronics To Admin Bldg

3. Describe Change/Modification requested:

Add 6 - 5 channel GAItronics units To The system per attached drawing

4. Reason for Change/Modification:

To provide inter plant GAItronics communications To The personnel working in Admin Bldg. and provide them with a backup communication path.

5. Supervisor of Maintenance _____ Date _____

6. Cognizant Engineer assigned _____

7. Does the work constitute a change to a system or component as described in the FSAR? Yes _____ No _____

8. If 7 above is "yes", does the change constitute an Unreviewed Safety Question? Yes _____ No _____

9. If 8 is "yes", the work must receive NRC approval prior to performance.

If 8 is "no", prepare and attach a detailed safety evaluation (page 2 of this form).

9.1 Does the Unit 2 change/modification possibly involve an Environmental Impact? LEAD ENGINEER DATE
(If "yes" the change must be reviewed by MGQA in accordance with ETS 5.3.1.d prior to performing the change. If "no" explain why answer to above question is no on side 2.) YES NO9.2 Does the change concure with the answers to 8 & 9 above? UNIT 2 PRC CHAIRMAN DATE

10. Station Superintendent/Unit Superintendent has taken the following action: (Check either a or b)

☐ (a) Reviewed the change/modification and it does not constitute a change to a system or component as described in the FSAR.☐ (b) The change/modification is a change to a component or system described in the FSAR but the change does not constitute an Unreviewed Safety Question. A written safety evaluation has been prepared and forwarded to the Manager, Generation Engineering for concurrence and documentation.**NOTE:** ON Unit 2 c/m MGQA must approve the c/m if the answer to 9.1 is "YES".**NOTE:** Q.C. modifications must receive Mgr. Generation Engineering & Mgr. OQA approval.Unit Superintendent _____ 10.0 PRC Review Requested ☐ Date _____

Post Change/Modification Review and Follow-Up

11. Supervisor of Maintenance - All action on Work Request which performed this change/modification is complete.

Signature _____ Date _____

12. Lead Engineer - Necessary follow-up action has been taken as listed below.

(a) Revised Drawings Submitted (list affected drawings) _____

(b) FSAR Changes Submitted (list affected section) _____

(c) Procedure Changes Submitted (list affected procedures) _____

(d) Preventive Maintenance Revised _____

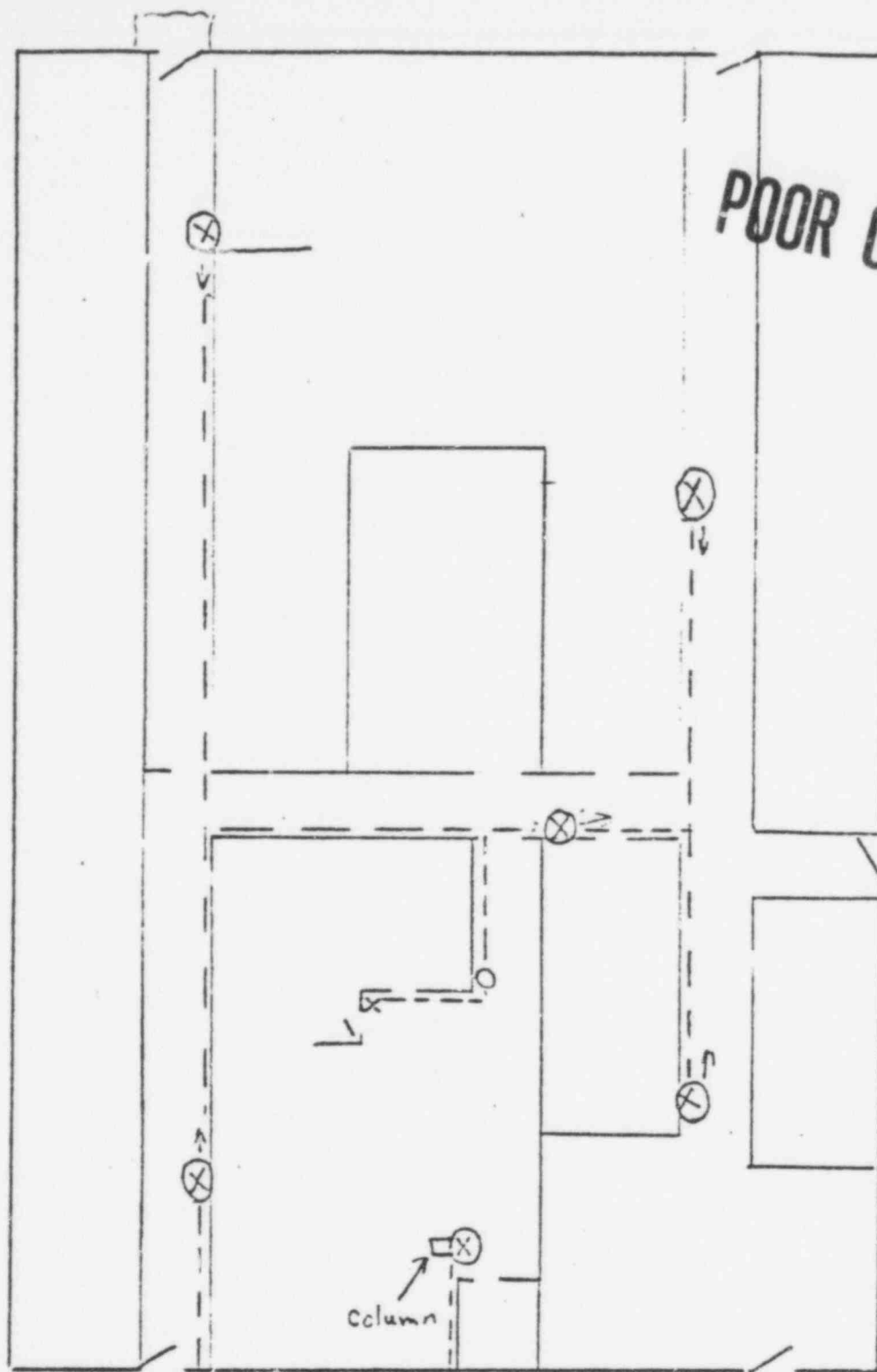
(e) Necessary Spare Parts Ordered _____

Signature _____ Date _____

13. Unit Superintendent-Signature _____ Date _____

14. As Built Letter Number _____

North ↑



POOR ORIGINAL

Front

column

↑ Met Ed GAItronics Supply
 6 units required, 5 channel use 14 conductor wire.
 x 5 channel page party unit
 ⊗ As above with speaker unit
 ◁ Speaker
 Administration Building
 Field route / dashed lines from supply.

746 270

11/3/73

R. E. Barry

ENCLOSURE #4

1670.9
Revision 4
1/16/78

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #5

DATE: November 2, 1978

TO: J. R. Floyd

ACTION ITEM NO: 1

ACTION TO BE TAKEN: Check-out operation of Unit II 451 MHz radio communications
and black phone line circuit with off-site agencies.

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #5

DATE: November 2, 1978

TO: T. L. Mulleavy

ACTION ITEM NO: 2

ACTION TO BE TAKEN: Check Monitoring Kits for high range dosimeters.

Each monitoring kit off site & on site
has one high range dosimeter —

ACTION RESOLUTION: _____

POOR ORIGINAL

T. Mulleavy
SIGNATURE

11/8/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #5

DATE: November 2, 1978

TO: R. W. Dubiel

ACTION ITEM NO: 3

ACTION TO BE TAKEN: ECC Dose Assessment - RMS - ECS Communications coordination.

*The Dose Assessment Facility in the control room
was moved to a better location which helped to gather better
data from RMS. Communications were made
easier by the move.*

ACTION RESOLUTION: _____

POOR ORIGINAL

J. Williams

SIGNATURE

12/18/78

DATE

DATE

RETURN COMPLETED FORM TO L. LANDRY

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #6DATE: November 6, 1978TO: M. J. ROSSACTION ITEM NO: 1

ACTION TO BE TAKEN: Site & General Emergency Criteria shall be reviewed by all
Operations personnel.

ACTION RESOLUTION: Action Complete allPersonnel involved**POOR ORIGINAL**TO: L. LANDRY[Signature]
SIGNATURE11/9/78
DATE

RETURN COMPLETED FORM TO L. LANDRY

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #6

DATE: November 6, 1978

TO: T. L. MULLEAVY

ACTION ITEM NO: 2

ACTION TO BE TAKEN: SAM-2 Kit #2 was found without an AC power cord. Ensure its replacement.

The cord has been replaced.

ACTION RESOLUTION:

POOR ORIGINAL

T. Mullen

SIGNATURE

11/8/78

DATE

RETURN COMPLETED FORM TO L. LANDRY

ENCLOSURE #4

1670.9
Revision 4
1/16/78

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #6

DATE: November 6, 1978

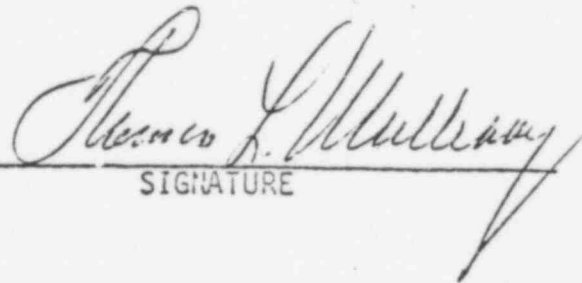
TO: T. L. Mulleavy

ACTION ITEM NO: 3

ACTION TO BE TAKEN: York Haven telephone # shall be inserted into 1670.14 Callout
Procedure.

ACTION RESOLUTION: _____

POOR ORIGINAL


SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: #6

DATE: November 6, 1978

TO: T. L. MULLEAVY

ACTION ITEM NO: 4

ACTION TO BE TAKEN: Remove labels from Radeco air samplers used in kits.

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE

DATE

RETURN COMPLETED FORM TO L. LANDRY

1670.9
Revision 4
1/16/78

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: Annual 1978

DATE: November 8, 1978

TO: T. L. Mulleavy

ACTION ITEM NO: 1

ACTION TO BE TAKEN: Re-emphasize the importance of iodine sample analysis to
personnel qualified for the Radiation Monitoring Team

ACTION RESOLUTION: _____

POOR ORIGINAL

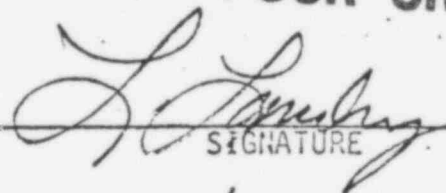

SIGNATURE

DATE

RETURN COMPLETED FORM TO

746 278

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: 1978 AnnualDATE: November 8, 1978TO: L. LandryACTION ITEM NO: 2ACTION TO BE TAKEN: Check-out SAM-2 instruments.ACTION RESOLUTION: SAM-2 Instruments checked out. Found 2instruments not operating properly. (Control Circuitry
incorrect. Corrected this**POOR ORIGINAL**
SIGNATURE11/10/78
DATE

RETURN COMPLETED FORM TO

ENCLOSURE #4

RADIATION EMERGENCY DRILL CRITIQUE
INDIVIDUAL ACTION ITEM ASSIGNMENT SHEET

DRILL: 1978 Annual

DATE: November 8, 1978

TO: D. Barry

ACTION ITEM NO: 3

ACTION TO BE TAKEN: Radiation monitoring team communications need to be reviewed
with recommendations for improvement.

ACTION RESOLUTION: _____

POOR ORIGINAL

SIGNATURE

DATE

RETURN COMPLETED FORM TO