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## METROPOLITAN EDISON COMPANY Subsidiary of General Public Utilities Corporation

Subject

NRC\_INSPECTION 80-06\_MONTHLY EXIT APRIL 3, 1980

Location TMI NUCLEAR STATION

Date APRIL 7, 1980

To

DISTRIBUTION

The formal exit for the period March 1, 1980 to March 31, 1980 was conducted on April 3, 1980 in the Unit 1 General Conference Room with the following attendees:

J. G. Herbein - Met-Ed G. P. Miller - Met-Ed G. J. Troffer - Met-Ed N. C. Kazanas - GPU J. Fritzen - GPU - GPU B. Ballard T. Faulkner - Met-Ed

J. Fornicola - GPU M. R. Shaffer- Met-Ed L. W. Harding- Met-Ed D. Haverkamp - NRC L. Gage - NRC P. Koltai - NRC - NRC T. Fasano

The areas of inspection and results are as follows:

- GAI Region 4 Inspection
  - Per GPU QA Audit, GAI is not using GP-1008 ACTION: Slear/Kazanas Item Unresolved
  - GAI did not conduct quarterly review on В. structural area for design verification. ACTION: Slear/Kazanas Item Unresolved.
  - GAI has not properly stamped safety related C. drawings as dictated by GPU. ACTION: Slear Item Unresolved.
  - GAI is not using the Restart Book as the design D. basis for ECM's. ACTION: Slear Unresolved Item.
  - GPU has failed to properly identify ECM's as QA E. scope in some safety related areas. i.e. - the reviewing engineer is not checking QA required block when a purchase requisition is marked QA specs. ACTION: Slear/Kazanas Item Unresolved.

GPU - QA Audit of GAI - L. Gage - Inspector 2. No unresolved items except as noted in 1.A.

ATTACHED IS INTERNAL MET-ED CORRESPONDENCE NOT PDR INFO

cc: (J. Collins) A. Fasano

- R. Keimig (RI) L. Bettenhausen (RI)
- S. Ebneter (RI)

L. Gage (RI)

8211180141 800407 PDR ADDCK 05000289 PDR NRC INSPECTION 80-06
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APRIL 7, 1980

- 3. Fire Protection P. Koltai Inspector
  - A. NM-40 No QA audit of this task. NRC needs additional backup information on this item for resolution.

    Item Unresolved. ACTION: NRC
- Fire Drill conducted with local fire companies (March 8, 1980) P. Koltai Inspector
  - Equipment usage was sometimes improper i.e. the number of men operating fire hose was inadequate.

 Proper equipment not always brought to scene - i.e. no emergency lighting.

 Delays occurred in getting outside fire departments to scene caused by poor TLD issue procedure and inadequate security access measures.

 There was a command post - 9.5-1 appendix should be addressed.

 There was a general lack of HP Training for offsite fire department personnel.

 The fire brigade requires additional training and practice.

Unresolved Item (1 item)

ACTION: O'Conner

- 5. Mechanical/ISI Inspection W. Sanders Inspector
  - A. RM-14 HPI Crossconnect weld MU-45 was observed to have paint and tape attached. The tracability of these materials was unclear.

    Item Unresolved. ACTION: J. Wright
  - B. NM-17 IGSCC Weld #40. The NRC needs additional information on location and sizing analysis. Item Unresolved. ACTION: J. Fornicola
  - C. ISI area contained 8 items concerning administrative changes to the ISI PORD were previously discussed with QA.

    Item Unresolved. ACTION: J. Fornicola

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• PAGE 3
APRIL 7, 1980

The areas to be inspected the week of April 7, 1980 will be as follows:

Electrical - Paolino Fire Protection (NM-40) - Koltai Mechanical/ISI - Sanders Concrete Pad Pours - Verella

M. R. Shaffer

MRS/jl

cc: Attendees

Action Parties

T. M. Hawkins - SU/T

C. E. Hartman - PORC Chairman for review with PORC as applicable.

J. J. Colitz

D. Dyckman

M. J. Ross

D. M. Shovlin

R. S. Harbin

R. J. Toole

METROPOLITAN EDISON COMPANY Subsidiary of General Public Utilities Corporation

File Inspection

I 4E Inspection

Subsidiary of General Public Utilities Corporation

CMMEMO

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M. R. Shaffer- Met-Ed
L. W. Harding- Met-Ed
D. Haverkamp - NRC
L. Gage - NRC
P. Koltai - NRC
T. Fasano - NRC

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  - D. GAI is not using the Restart Book as the design basis for ECM's.
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R. J. Toole

Tile Takesturia

#### CHRONOLOGY OF EVENTS

Initial contact 0800a from CR. Dispatched HP/NRC/TMI to CR at 0302. Initial indication was at 0315a.

- 1. Slight indication am meter reading increase.
- 2. RCS pressure now 280 psig.
- 3. RCS pressure dropped 50 psi on purpose.
- 4. Decreased MU and Letdown Flow.
- 5. Considering isolation of MU system.
- 6. MU Pump Room B shows highest count 1.8 10-7 uCi/cc Local Alarm.
- 7. In process of sending Aux Bldg. suited 8:25a
- 8. State notified at 0800 have not called an emergency.
- 9. No one in the Aux Bldg.
  - 10. Why the 03 am to 08 am delay for notifying NRC?
  - 11. Seal injection and letdown isolated at 0855.
  - 12. Geruskty contacted at 0855 ( Collins)
  - 13. PEMA contacted at 0807.
  - 14. Dauphin County at 0811.
  - 15. AM-5 up 10 count as of info at 0830.
  - 16. DeYoung contacted by Collins 0915.
  - 17. As of 0800 have not contacted incident center.
  - 18. Licensee as of 0815 still evaluating.
  - 19. Region I Keimig contacted at 0925.
  - 20. Contacted by Jordans Group (Kirkpatrick for brief on event) 0935.

- 21. Harold Denton contacted by Collins at 0905.
- 22. Bob Arnold contacted at 1005.
- 23. Freeboard available 5000 gal 1.8 ft. left.
- 24. EPA contacted by Fasano 10:00a.
- 25. Sample coordinator contacted.
- 26. Team in Aux Bldg at 10:00a.
- 27. RES coordinator called 10:10a count 53.22 uCi/cc.
- 28. Kr<sup>85</sup> 0.07 uCi/cc. (Primary System)
- 29. Contacted by Flack & Kirkpatrick at 1025a for update.
- 30. AMS meter reading not rechecked as of 1030a.
- 31. No visual leakage in cubicle A, B or C 1040a. (6 persons entered Aux. Bldg 1 HP and 1 Operator)
- 32. Taking Grab sample for analysis 1030a.
- 33. SPC in auto and holding 275 psig 1030a.
- 34. Still have AMS alarms 1055a.
- 35. Geruski updated at 1055a.
- 36. FHB-AMS alarming due to contamination at 1120.
- 37. AMS-B-2 Auxiliary Building need to be reset after filters changed at 1120.
- 38. Will be taking additional air grab sample at 1120.
- 39. Grab samples Geli read  $10^{-8}$  then  $10^{-9}$  on Cs 137 uCi/cc at 1120.
- 40. Licensee are making no release estimate.
- Barley distinguishable from level indication on water level contacted Ruther at 1145.

The Inspection Cotters
. 0800-1600
Packett & Thomas

Thorns

0800 Puckett received call from Met- Ed re high Airborne he briefed me on details available at the the (see M. Ruckett log). I went to control room then to U-2 Aux Blog H.P. office, I dressed in Anti-c's and made entry with - HP's & operators who were trying to determine cause of high nix borne. Suspected areas checked out and NO primary costant leaks found in chicled Matterp pump rooms 1A 1B IC (281 elevation) Area NEAS HPR-219 checked ON 305 elevation, Air samples take during our entry 1000-1115 showed decressing levels of AIV Bor Ne. I checked the AMS-3's The once with the highest readily was on the south and of the 305' elevation ( a 4500 cpm) wext highest MMS-3 was ( ~ 2500 cpm) ,

Reviewed radioactive material packaging procedure / R. N. m. te comments of 2/10/80, Discussed some with R. N. m. tz will talk to Zohan formerow.

1600-2400 Pleenlee 3/20/80 3/21/80) (Cavuelover to Licensee conducted a startup of Makeup System and Seal dijection System at ~ 194 3and 1956, respectively. These systems ever secured at ~ 2040. A local air sampler (B-2, located 305 ftelev., anx Building) tripped intermitantly starting at 1958 and others showed actively later! The most active sample was taken at 2258 at a pipe penetration into Makeus Lump Room 1B (See following pages) This was 1.38 E-7 Ni [ml. About an hour and a half later the level was 7 E-8 (down was found. By 5300, 3/21/80 the wero < 2 E-8.

AM 5 (apstream of the filter banks on the roof) increased about 30 cpm from an intitial 1 60 cpm and come to a broad stable period about 300, then eased down. Only the particulate monitor changed. HPR 222 and HPR 221 A appeared to respond but later the I & C repairman was quoted as saying the tranding filter paper was stuck, so these instruments were not reliable. After fixing, thuse readings were much lower than before. The Aux Building was generally less than & right by o roo land wany areas were Box than 10-9, indicating gradual opproach to normal.

- 1927 futter chq. 1.05 X10-10 1943 2000 CPM - (MU ON) 1956 2000 " - (SE ON) 2003 2500 11 2016 3000 11 2017 6.22 X10-10 2121 1X10-9 2247 9.95 XID-10 O- Grab Sample at MU-P-1B Penet. 2015 +3×10-10 1×10-7 2258 HHX10 1.38 X107 LOW Vol outside MU-P-113 DORM Gussove 2015 1.3 XID-10 2251 1.14 × 10-9 0025 7.5 ×10-10

A-2 0021 1.85 ×10-10

See Control Point for full records (Xerox machine was tieday when I left) #2 Grab Samp. 2007 2.56 × 10 8 2257 3.8 × 10 8 0021 8.92 × 10 9

B-2 2017 6.7 X10-10

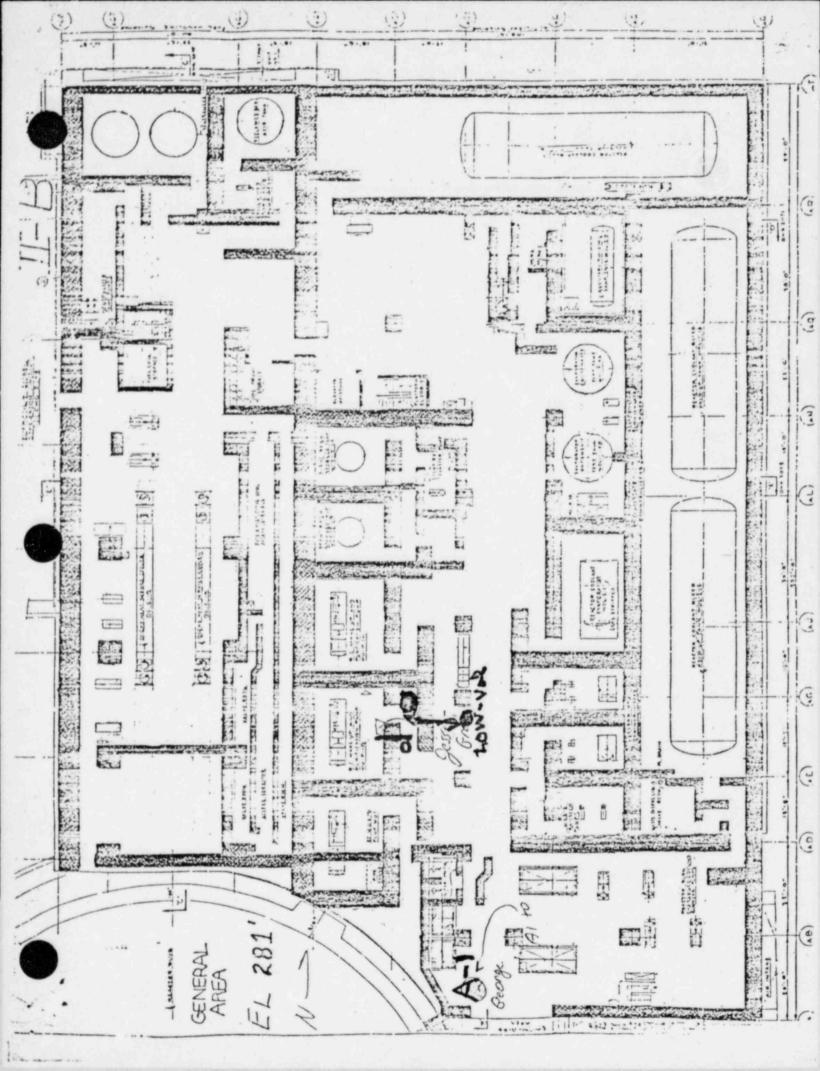
2235-1-7×10-9

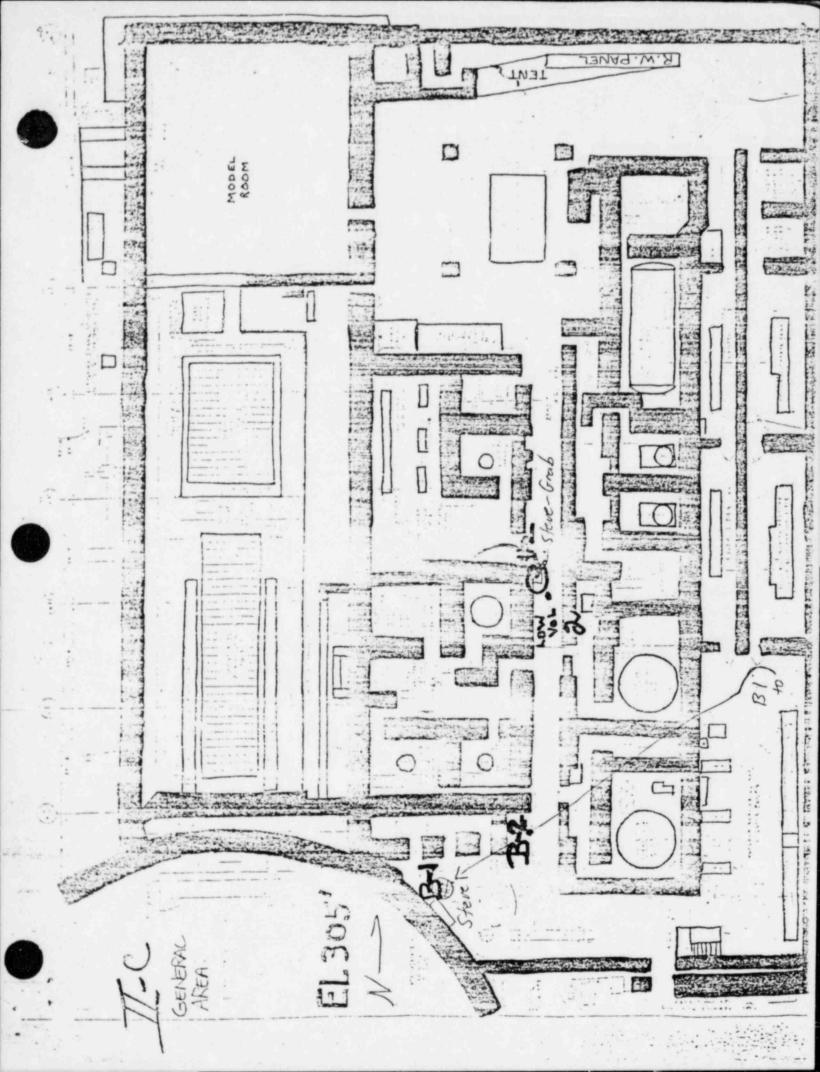
1925 4000 CPM 1955 4500 11 2010 5000 11

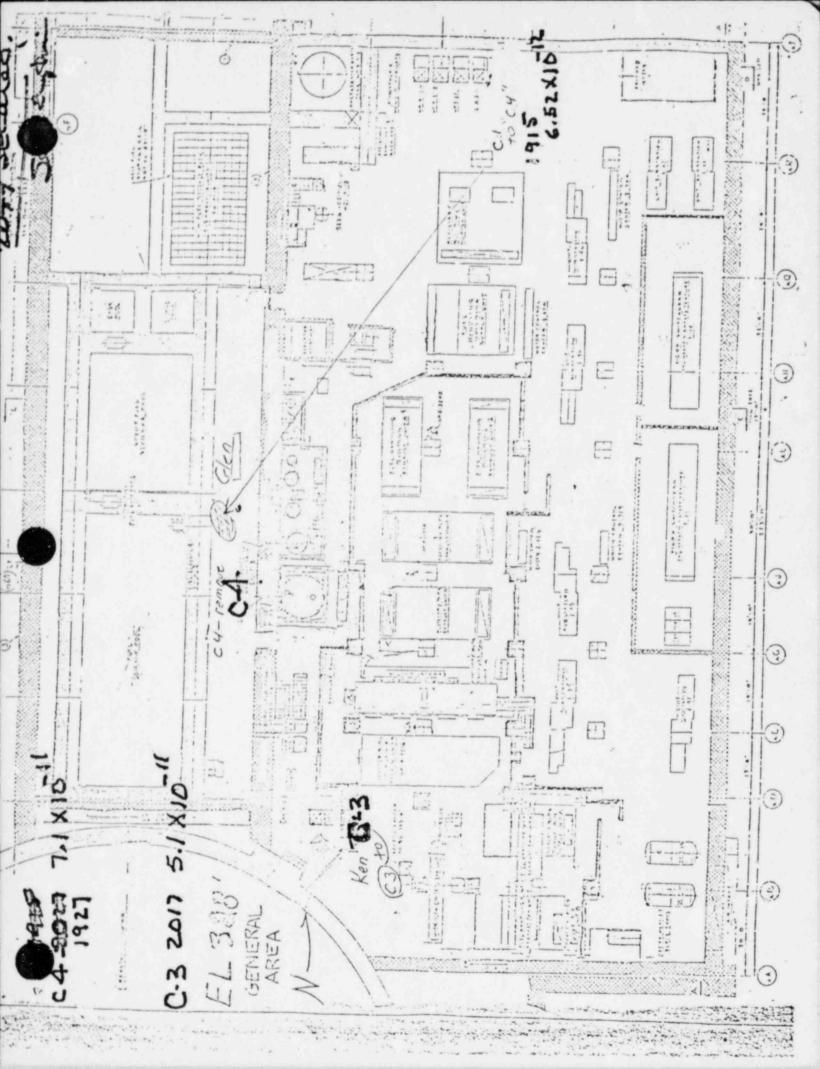
B-1 2130 5.56 X10-10 2240 2.33 X10-10 0025 1.28 X10-9

#2 Low Yol.

2035 1.82 XIO 9 2245 6.9 X 10-9 0038 1.3 X 10-9 0021 8,92X 10-9







Waltins Contacted by Shanbak & + Conte /3/20/80 Tile Inspections Started Seal dujection at 756 PM { 10 - 8 x ci/cc William 2 min 7 58 pm AMS B-2 alarmed Mu B cuticle 14 10-7 u ci/cc AM -5 spiked and appears to jumy in bursds (pulses) on particulate, on gas steady no ruse Indientim of a slow leak Planning to get beample for Gelianalysis Suspect scalingection line source of beat Let down line thoulight to be of Location not known, but suspect in mu pump B Cu Si cle Isoluting sentingeetin at 850 Secured Let down & Stal injection 800 as of 915 seing 10 ogcilce on Aus Out side MU-P-B on Siele

Aux Bldg Ouct A clarmed on felte particulte up stream of Filters

AM-5 stable Cartnited by

carl - 1130

April resolute Solther

grab sample level

gtill comming age

fut level fain;

Clustered I

grab 3 rock at

Wo V-1-B was by

fils of 4 or of 830 re,

Veret monuter

Am-5 was an

~ 30 % (perhealited)

Duct A up 25 %

over the evening

Local Samplest

~ 10-4 in periphen

Storme view Leath locator gaeral around MUY-18 but not specific breation or gellow or 2

aut.

TMI TECHNICAL SUPPORT STAFF MEETING WITH VICTOR STELLO - FEBRUARY 14, 1980 9:00 a.m.

STAFF'S GENERAL REACTION

- TMI clean up is moving to slow and is being bogged down due to politics. Classic example: Air Lock Entry.
- Licensee and NRC staff is being demoralized by Washington. They are both trying and doing a good job.
- The Licensee has made positive changes for running a "tight ship".
   One of these include the reorganization, which has been effective.

#### Two Problems Areas:

- a. Licensee wants to purge containment building.
- b. General maintenance problems not corrected immediately. Example: caution tag found in U-2 dated February, 1979. As to this date, still unrepaired.

## MAINTENANCE AND SURVEILLANCE PROBLEMS

- The licensee is doing in-service requirements.
- 2. Preventative Maintenance:
  - a. TMI staff is not sure whether or not licensee is following up on maintenance problems. Licensee has a vendor, Catalytic, doing the majority of maintenance repair. Their maintenance department is quite small.
  - b. TMI staff is not able to follow up on the maintenance problems due to insufficient staffing.

## ANTICIPATING PROBLEMS

- Emergency Drills (7 recent, another one on March 31, 1980) are being utilized for anticipating problems. These drills include use of current procedures.
- Victor Stello suggested a systematic review of probable problem areas.
   This would allow anticipation of certain mishaps.

## LICENSEE RECORD FOR CONFORMANCE AND NON-CONFORMANCE

- 1. Health Physics is one of the major problems for the Licensee.
- 2. In November 1979, TMI staff started issuing non-compliance items to the Licensee.
- TMI staff currently has no formal inspection program for Unit 2. At the present, inspection is being completed by routine tours, which include reviewing of logs, graphs and various other data.

## REACTOR BUILDING SAMPLING EVOLUTION 2/12/80

- 11:00 p.m. Shambaky was contacted by Nimitz concerning a noticed rise rise in the Sampling Monitor.
- 11:15 p.m. Nimitz called Fasano to inform him of the situation.
- 11:30 p.m. Nimitz called Shambaky to inform him that Fasano had been notified.
- 3:00 a.m. Fasano called Ed Ford and asked him to contact him (Fasano) immediately if there were any appreciable increases in the Sampling Monitor from the 11:00 p.m. reading.
- Paul Rooter and Dick Wilson (Met-Ed) stated that the reading was 3 curies and that they were operating within the procedure.
- Nimitz did not review the procedure at the time that the monitor increase was identified and change from background reading was noted.
- 7:30 a.m. Fasano talked with Collins concerning situation because of sensitivity level.

## GENERAL COMMENTS

, ,

- Schedule for all samples taken in the plant are given out at the Daily Staff Meeting.
- Licensee did not tell the NRC that they were using a TCN for the sample process taken 2/12.
- 3. Problem with licensee on who is responsible for implementing procedures.
- New Met-Ed Technical Staff apparently needs to be informed of correct process for implementing procedure changes.

#### MONDAY EVENT

- 1. Whose first individual to know the event?
  - -12:50 p.m. NRC learned of event.
  - 1:20 p.m. NRC in communications with Pennsylvania DER. DER called NRC (upon Collins arrival).
- 2. Who else had talked to the State?
  - 2:00 p.m. Collins talked to Coppenhagen (no numbers). 3:20 p.m.
  - 2:30 p.m. Licensee came up with .28 curies.
  - 3:00 p.m. Licensee had ball park number.
  - 3:30 p.m. Licensee told PA DER 200-300 mc.
  - 4:00 Licensee wrote it down. 4:30 p.m.
  - 4:00 Control Room (Conte) found out about state having 4:30 p.m. information about 200-300 micro curies.
  - 5:00 Licensee released 200-300 milli-currie number given 5:30 p.m. to Senator Heinz.

#### TUESDAY EVENT

- 1. When was the first time that NRC learned of 3 times the normal number was exceeded?
  - -After Stello's arrival.
  - -Earlier in the day Wilson told Collins all monitors <3 x normal.

#### NRC STAFF COMMENTS

- 1. Fasano we need permanent staff.
  - Shambaky present HP staff is inadequate for Containment entry.
    - licensee deviation from procedures is chronic.
    - HP practices are improving.
    - Response to Monday's event was good.
  - Fasano we don't get round the clock support from all Regions for shift coverage.
  - Stello What are you doing about it?
- 2. Shambaky We are fair in enforcement, but we must be tough.
  - Stello Let's do it.
- 3. Plumlee Use of contractor personnel.
  - Stello Conte is looking into this.
- 4. Kalman Communications Problem during the event on Monday Kalman wrote a memo.
- Collins Headquarters bugging the Control Room for information during Monday's event.
- 6. Conte When is the NRC Emergency Plan to be issued?
  - Stello I signed the plan last week.

# REVISED

J. Collins

MEETING WITH NRC CONCERNING ITEMS OF NONCOMPLIANCE AND CIVIL PENALTIES

DATE: March 6, 1980

TIME: 10:00 A.M.

LOCATION: TMI-2 Trailer #201 (Arnold's)

PURPOSE: Agree on scope of needed response to January 23, 1980 letter

- INTRODUCTION E. G. Wallace/C. F. McPhatter
- RADIOLOGICAL CONTROLS R. W. Heward/I. Seybold II. (NONCOMPLIANCE STATEMENTS 2, 4, 10)
- ENGINEERING PROCEDURES J. J. Barton/B. D. Elam/G. A. Kunder III. (NONCOMPLIANCE STATEMENTS 1, 2, 3, 6)
- IV. TRAINING L. L. Lawyer/D. Smith/R. W. Zechman (NONCOMPLIANCE STATEMENTS 4, 5, 8)
- V. OTHER ITEMS L. W. Harding (NONCOMPLIANCE STATEMENTS 2, 4, 7, 9, 11)
- PORV LEAKAGE HISTORY E. G. Wallace
- VII. NRC REMARKS
- VIII. SUMMARY AND CONCLUSION E. D. Fuller