



Dow U.S.A.

The Dow Chemical Company
P.O. Box 150
Plaquemine, Louisiana 70765-0150

Building 3502W
March 24, 1994

Ken Fox, Plant Superintendent, Power I/Utilities

cc: Johnny Masey, Major Manager, Power I/Utilities
Marty Morrison, Bldg. 1801
Joe Rawlings, Bldg. 2801
Chris Messelt, Manager, LAD Safety/Loss Prevention, Bldg. 3502W

Consolidated Audit Program Ciosure Report

Corrective action is one of the most important parts of an audit. In accordance with OSHA Process Safety Management Standard (PSM) 1910.119 a final implementation report is due which provides closure to the corrective actions identified in your Consolidated Audit Action Plan.

Documentation on the status of actions taken is an important step in the process. What was done and the reason for the action must be documented. When no action is required for the item, then this must be stated. Enclosed you will find a copy of the latest Power I/Utilities Action Plans. The status of each action item must include the following information:

- the corrective action to be completed
- the person responsible for the item
- the actual or expected completion date

Please forward a closing report to the Consolidated Audit Department Office Professional (Connie Kalencki in Bldg. 3502W) by April 22, 1994.

Regards,

Howard Wilkinson, LAD
Consolidated Audit Program Administrator

Enclosure

cmk

DO A 117133
CONFIDENTIAL

MAY 25, 1993

HOWARD WILKINSON, FACILITATOR
LAD CONSOLIDATED AUDIT PROGRAM

CC: JOHNNY MASEY, BLDG. 3801
KEN FOX, BLDG. 2801

ATTACHED YOU WILL FIND THE POWER 1/UTILITIES CONSOLIDATED AUDIT ONE YEAR STATUS REPORT. POWER 1/UTILITIES HAS COMPLETED 77 OF THE 105 RECOMMENDATIONS (73% COMPLETION). FOLLOWUP RESPONSIBILITY FOR RECOMMENDATIONS WAS DIVIDED AMONGST 15 PEOPLE. THE REPORT BREAKS OUT THE RECOMMENDATIONS EACH PERSON IS RESPONSIBLE FOR. THE REPORT INCLUDES A SHORT DESCRIPTION OF EACH ACTION ITEM AND THE EXPECTED AND/OR ACTUAL COMPLETION DATE.

IF THERE ARE ANY QUESTIONS, PLEASE GIVE ME A CALL AT 1708.

THANKS,

Joe
JOE RAWLINGS
POWER 1/UTILITIES

4/12/94

Met @ the following folks to update the Consolidated Audit following items:

✓ Marty Morrison 10

✓ Kevin Taylor 4

✓ Jimmy R. 2

✓ Glenn Cousillac 3

✓ Willie Arrington 1

✓ Plater Gooden on Gordon Gaffney #3

DO A 117134
CONFIDENTIAL

DEVELOPED BY JOE RAWLINGS LAST UPDATE 5/24/93

total recommendations to follow up on - 105

breakdown of recommendation followup responsibility

		COMPLETED	
10	MARTY MORRISON	27	17
/	JOE RAWLINGS	15	14
/	KEVIN TAYLOR	11	7
0	GERVEY SMITH	10	10
2	JIMMY RILLS	8	6
/	RANDY ANSELMO	7	6
3	GORDON GEOFFROY	5	2
3	GLENN CROUSSILAC	5	2
/	GILL WALKER	4	3
0	KEN FOX	3	3
/	ERNIE MOSES	3	2
/	WILLIE ARRINGTON	3	2
/	GEORGE NASSER	2	1
0	TOMMY LEBLANC	1	1
0	DEAN SMITH	1	1
28	TOTAL	105	77

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

MARTY MORRISON - /0

- ✓ 1. FORM A DIVISION TEAM TO REVIEW CHLORINE CYLINDER
LOAD/UNLOAD PROCEDURES. 12/92. IN PROGRESS 9/92.
COMPLETE 9/92.
- ✓ 2. UPDATE PLANT PROCEDURES TO INCLUDE THE MAXIMUM NUMBER OF
CHLORINE CYLINDERS PERMITTED AT POWER1/UTILITIES. 7/92
IN PROGRESS 9/92. MOVE NEW COMPLETION DATE TO 10/92.
COMPLETE 10/92.
- ✓ 3. INSPECT HYDROGEN TRAILER AND HAVE DOT NUMBERS STAMPED INTO
CYLINDERS. 7/92 IN PROGRESS 9/92. TO BE COMPLETE 9/92.
COMPLETE 9/92.
- ④ 4. DEVELOP A POWER 1/UTILITIES IPT MODULE ON CHLORINE CYLINDERS
AND BOTTLES. 12/92 IN PROGRESS 9/92. IN PROGRESS 4/93. NEW
COMPLETION 5/93.
- ✓ 5. DEVELOP AN EMERGENCY PROCEDURE FOR OPERATIONS IN THE
EVENT OF A MAJOR SPILL FROM CHLORINE CYLINDERS WITHIN
POWER 1/UTILITIES. 7/92 IN PROGRESS. TO BE COMPLETE 10/92.
COMPLETE 10/92.
- ✓ 6. REVIEW EMERGENCY PERSONNEL PROTECTIVE EQUIPMENT INVENTORY
WITH I.H. 12/92 IN PROGRESS 9/92. COMPLETE 10/92. WILL
REVIEW YEARLY.
- ✓ 7. UPDATE MSDS BOOKS TO INCLUDE THE WRITTEN HAZCOM PROGRAM
WITH THE LIST OF CHEMICALS AND EQUIPMENT CROSS REFERENCE
TABLES. INCLUDE MSDS'S ON STOCK ITEMS. 12/92. COMPLETE 4/93.
- ⑧ 8. ASSEMBLE A TEAM TO REVIEW AND UPGRADE PLANT LABELING. 12/92
TEAM ASSEMBLED. LABELING UNDERWAY. COMPLETE LABELING BY
9/93.
- ✓ 9. REVIEW THE NEED FOR EGRESS BREATHING AIR BOTTLES AT
POWER 1/UTILITIES AND COMMUNICATE. 10/92 COMPLETE 8/92.

DO A 117136
CONFIDENTIAL

- ✓10. MODIFY C-9 CHECKLIST TO INCLUDE A SCBA USERS ANNUAL PROFICIENCY TEST. 12/92. COMPLETE 12/92.
- ⑪. PERFORM ADDITIONAL TRAINING FOR SCBA INSPECTORS TO ENSURE THAT THE SCBA'S ARE PRESSURED-UP FOR LEAK CHECKS AND LOW FLOW BELL DURING MONTHLY INSPECTIONS. 12/92 IN PROGRESS 5/93. NEW COMPLETION 6/93.
- ✓12. HAVE CLAUSTROPHOBIC EMPLOYEE EVALUATED AT MEDICAL. 8/92 COMPLETE 5/92.
- ⑬. GAIN ASSISTANCE FROM IH AND ASSESS THE SHOP VENTILATION. 12/92. NEW COMPLETION 12/93.
- ✓14. UPDATE THE C-9 CHECKLIST TO INCLUDE WEEKLY CHECKS FOR THE MANOMETERS ON THE LAB HOODS. 5/92 COMPLETE 7/92.
- ✓15. INSTALL A SHELF ON THE BACK OF THE HOOD TO KEEP BOTTLES ON. 7/92 IN PROGRESS 9/92. MOVE COMPLETION TO 12/92. COMPLETE 12/93.
- ⑬. GAIN ASSISTANCE FROM IH AND EVALUATE THE NEED FOR A FUME HOOD AT UTILITIES. 12/92. IN PROGRESS 9/92. NEW COMPLETION 12/93.
- ✓17. POST AREAS WHERE NOISE EXCEEDS 105 dB TO REQUIRE PLUGS AND MUFFS. 9/92. SIGNS ARE HERE AND INSTALLATION HAS BEGUN 9/92. COMPLETE 11/92.
- ✓18. UPDATE JOB PROCEDURES (SUCH AS GRINDING OR BOILER STARTUP OPERATIONS) TO INCLUDE THE USE OF HEARING PROTECTION. 9/92 IN PROGRESS 9/92. MOVE COMPLETION DATE TO 12/92. COMPLETE 12/92.
- ⑲. ASSEMBLE A TEAM TO UPDATE THE PLANT INDOCTRINATION FILMS. EMPHASIZE NOISE EVEN MORE AND SHOW THE PROPER DOWNING AND USE OF HEARING PROTECTION. INCLUDE ASBESTOS AWARENESS AND SPECIFIC INSTRUCTION TO ALERT DOW SUPERVISION IF ANY DAMAGED INSULATION IS FOUND. 12/92 IN PROGRESS 9/92. TEAM HAS BEEN ASSEMBLED 5/93. WAITING ON THE NEW USA AREA SAFETY STANDARDS TO GO INTO EFFECT TO COMPLETE THE FILMS. NEW COMPLETION 12/93.
- ✓20. GAIN IH HELP TO EVALUATE THE BEST TYPE OF HEARING PROTECTION. 12/92 COMPLETE 9/92.

- ✓21. PURCHASE A PERSONAL AUDIODOSIMETER. 10/92 COMPLETE 8/92.
- ✓22. COMPLETE THE ENGINEERING STUDY TO FIND WAYS TO REDUCE NOISE. 10/92. IN PROGRESS 9/92. STUDY WAS COMPLETED 12/92. THE NEXT AREA TO ADDRESS WOULD BE BOILER #4 FANS IF EXPENDITURE IS JUSTIFIED.
- 23. REVIEW THE STORAGE OF RUBBER APRONS, ACID SUITS, FLASH SUITS, ETC. 12/92. NEW COMPLETION 9/93.
- ✓24. INVESTIGATE THE USE OF ACETONE AND EPOXY THINNER T-10. 12/92 COMPLETE 12/92. WE STILL USE THESE CHEMICALS.
- 25. INSTALL NEW SAMPLE POTS AND DEVELOP NEW SAMPLE PROCEDURES TO SAMPLE HCL AND CAUSTIC. USE PLASTIC, RESEALABLE (NONBREAKABLE) CONTAINERS. 10/92. IN PROGRESS 9/92. NEW COMPLETION 10/93.
- 26. DEVELOP A CROSS COMPATIBILITY CHART FOR ALL PROCESS CHEMICALS IN USE AT POWER 1/UTILITIES. 12/92 NEW COMPLETION 12/93.
- 27. DEVELOP A CHEMICAL STORAGE AREA HOUSEKEEPING CHECKLIST. DISPOSE OF ALL UNNECESSARY CHEMICALS THAT ARE STORED IN EACH LAB. 12/92. NEW COMPLETION 12/93.

DO A 117138
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED COMPLETION DATES:

JOE RAWLINGS - /

- ✓ 1. HAVE OPERATIONS REVIEW THE RED TAG MASTER BOARDS AT POWER 1 AND UTILITIES ON A WEEKLY BASIS. COMPLETE THOSE MASTERS THAT CAN BE COMPLETED. 6/92. COMPLETE 5/92.
- ✓ 2. DEVELOP IPT'S ON SAFE WORK PERMITS AND TRAIN OPERATORS. AUDIT SAFE WORK PERMITS MORE OFTEN. 12/92 IPT'S ARE STILL IN DEVELOPMENT. EXTEND COMPLETION DATE TO 6/93. COMPLETE 2/93.
- ✓ 3. REPLACE COUPLING GUARDS ON ACID PUMPS AT UTILITIES. 4/92 COMPLETE 4/92.
- ✓ 4. COMPLETE A THOROUGH FIRE EXTINGUISHER AUDIT AT POWER 1/UTILITIES. 8/92 IN PROGRESS. EXTEND COMPLETION DATE TO 12/92. COMPLETE 9/92.
- ✓ 5. TRAIN OPERATORS ON PROPER C-9 PROBLEM FOLLOWUP AND DOCUMENTATION. 12/92 COMPLETE 5/92.
- ✓ 6. DEVELOP AND UTILIZE A FLOW TEST METHOD FOR THE OPEN HEAD SPRINKLER SYSTEM. 12/92 IN PROGRESS 9/92. COMPLETE 10/92.
- ✓ 7. WATER WELL PUMP DESIGN AND OPERATION WILL BE REVIEWED WITH LOSS PREVENTION. 6/92 COMPLETE 9/92.
- ✓ 8. ENGINE MECHANIC AND ROVER INSPECTION ITEMS FOR WATER WELLS WILL BE SENT TO LOSS PREVENTION. 6/92 COMPLETE 7/92.
- ✓ 9. DEVELOP A MEANS OF DOCUMENTING LAB EMPLOYEE TRAINING DURING CHECKOUT. 6/92 COMPLETE 6/92.
10. UPDATE ALL PERSONNEL JOB DESCRIPTIONS. 12/92 TWO JOB DESCRIPTIONS HAVE BEEN COMPLETED. EXTEND COMPLETION DATE TO 12/93.
- ✓ 11. SCHEDULE OPERATIONS PERSONNEL TO ATTEND STAFF SAFETY MEETING. 6/92 COMPLETE 5/92.

- ✓12. COMPLETE DEVELOPMENT OF UTILITIES AREA IPT MODULES.
12/92. IN PROGRESS 9/92. COMPLETE 2/93.
- ✓13. CONTINUE TO UPDATE OPERATING PROC. AS NEEDED. ON-GOING
- ✓14. DEVELOP IPT ON PERMIT ISSUING AND TRAIN OPER. 10/92
SAME AS #2 ABOVE.
- ✓15. OBTAIN INFORMATION FROM THE TECH CENTER CONCERNING
SECURITY OF P&ID'S. REVIEW INFORMATION WITH STAFF. 12/92
IN PROGRESS 9/92. COMPLETED DURING TECH CENTER AUDIT 10/92.

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED COMPLETION DATES:

KEVIN TAYLOR - 4

- ✓ 1. REPAIR WATER LEAKS INTO POWER 1 SWITCH HOUSE. 8/92
IN PROGRESS 9/92. MOVE COMPLETION DATE TO 12/92.
IN PROGRESS 4/93. SEE GLENN CROUSSILAC RECOMMENDATIONS.
KEVIN COMPLETED HIS PART.
- ✓ 2. INSPECT THE WOODEN TRANSFORMER STRUCTURE AT THE RIVER
WATER RETURN PUMPS AND REPAIR AS NECESSARY. 8/92
COMPLETE 6/92.
- ③ 3. WATERPROOF THE NEW MCC BUILDING AT UTILITIES. 6/92
IN PROGRESS 9/92. TO BE COMPLETE 10/92. AWAITING
RECOMMENDATION FROM THE DIVISION PAINTING CREW 4/93.
NEW COMPLETION 6/93.
- ✓ 4. INVESTIGATE THE NEED FOR AN ELECTRICAL CLASSIFICATION PLOT
PLAN. 12/92 IN PROGRESS 9/92. THE UTILITIES BLOCK IS NON-
HAZARDOUS. THE ELECTRICAL CLASSIFICATION PLAN FOR THE POWER
#1 BLOCK WAS COMPLETED 4/93.
- ✓ 5. MOUNT A PORTABLE HALON EXTINGUISHER OUTSIDE OF THE
INVERTER ROOM. 5/92 COMPLETE 5/92.
- ⑥ 6. REVIEW AND UPDATE THE CRITICAL INSTRUMENT LIST AND
PROCEDURES. 12/92
CRITICAL INSTRUMENTS HAVE BEEN UPDATED FOR BOILERS #1 & #2.
LISTS WILL BE UPDATED AS MAJOR INSTRUMENTATION PROJECTS ARE
IMPLEMENTED ON EACH BOILER AND/OR TURBINE. ST #2 AND ST #4 ARE
SCHEDULED FOR MAJOR OVERHAUL IN 1993 WITH A CONTROL SYSTEM
REPLACEMENT ON ST #2. ST #2 WILL BE COMPLETE 6/93.
TURBINE TRIPS ARE BEING CHECKED ON EACH EXTENDED OUT AGE IN THE
SAME WAY THAT BOILER TRIPS ARE CHECKED.
SOME INSTRUMENTATION HAS BEEN ADDED TO THE UTILITIES CRITICAL
INSTRUMENT LIST. PROCEDURES WILL BE UPDATED AS THE NEW BLOCK
INSTRUMENT TECH. GAINS EXPERIENCE.

DO A 117141
CONFIDENTIAL

- ⑦. REVIEW AND UPGRADE THE COMMUNICATIONS SYSTEM IN POWER 1/UTILITIES (PA). 6/93
A THREE YEAR PROJECT HAS BEEN DEFINED TO REPLACE THE POWER #1 SYSTEM. MOVE COMPLETION DATE TO 12/95.
\$150M WAS BUDGETED FOR 1993. PLAN WAS DEFERRED TO 1994.
- ✓ 8. REMOVE OLD OUTSIDE 2.4 KV EQUIPMENT FROM SERVICE. 12/92
COMPLETE 8/92. STILL NEED TO DEMOLISH. OLD GEAR HAS BEEN DEMOLISHED 4/93.
- ⑨. ADDRESS THE EQUIPMENT THAT NEEDS ATTENTION NOTED IN THE ELECTRICAL SYSTEM RELIABILITY AUDIT FOR POWER1/UTIL. 12/92
AUDIT TO BE REVIEWED BY THE I&E GROUP 9/92. MANY ITEMS AT UTILITIES HAVE ALREADY BEEN COMPLETED.
- ✓ 10. REPAIR/REPLACE EXHAUST FAN ENCLOSURES LOCATED AT THE SOUTHEAST CORNER OF SWITCH HOUSE #1. 6/92
COMPLETE 6/92.
- ✓ 11. DECOMMISSION MCC 6 & 7. 12/92
CUTOVER COMPLETED EXCEPT FOR TWO STARTERS WHICH CANNOT BE SHUTDOWN UNTIL ST#3 IS DOWN. COMPLETED DURING ST #3 OUTAGE 11/92.

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

GERVEY SMITH - O

- ✓1. REVIEW THE VIDEO ON PERSONAL PROTECTIVE EQUIPMENT "WE'VE GOT
YOU COVERED" IN SAFETY MEETINGS. 12/92 COMPLETE 7/92
- ✓2. REVIEW THE LGTI VIDEO TAPE ON A PURE OXYGEN
REACTIVE CHEMICAL INCIDENT IN SAFETY MEETING. 12/92
COMPLETE 6/92 REVIEWED THIS VIDEO AND FELT THAT IT WOULD
NOT APPLY FOR POWER 1/UTILITIES.
- ✓3. POST SAFETY POLICY IN PROMINENT PLACE IN PLANT. 5/92 COMPLETE
5/92
- ✓4. ENCOURAGE MORE PARTICIPATION IN THE "SAFETY
OBSERVATION" PROGRAM. ON-GOING.
- ✓5. CONTINUE TO OBTAIN SAFE WORKING STYLES TRAINING AS
DEVELOPED BY THE DIVISION. ON-GOING.
- ✓6. MAINTAIN AN UPDATED FILE ON ALL EXCEPTION LETTERS AND AT
THE SAME TIME ELIMINATE EXCEPTIONS WHERE
POSSIBLE. ON-GOING.
- ✓7. CONTINUE TO COMMUNICATE SAFE/UNSAFE OBSERVATIONS
THAT ARE TURNED IN. ON-GOING.
- ✓8. ASSURE THAT THE HAZARD DETECTION PROGRAM IS
EFFECTIVE AND CORRECTIVE ACTIONS ON HAZARDS
DETECTED ARE TRACKED TO COMPLETION. ON-GOING.
- ✓9. TRAIN INDOCTRINATORS TO REVIEW ANSWERS WITH FOLKS
BEING INDOCTRINATED. 6/92 COMPLETE 6/92
- ✓10. TRAIN OPERATORS ON PROPER C-9 PROBLEM FOLLOW-UP
AND DOCUMENTATION. 12/92 COMPLETE 5/92

DO A 117143
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

JIMMY RILLS - 2

- ✓ 1. UPGRADE THE WATER WELL MOTOR MAINTENANCE PROGRAM TO
INCLUDE A QUARTERLY INSPECTION BY AN OUTSIDE FIRM. 6/92
COMPLETE 6/92.
- ② IMPLEMENT A FLANGE TORQUEING PROGRAM FOR THE HCL PIPING IN
THE UTILITIES AREA. 12/92. NEW COMPLETION 12/93.
Complete 4/94.
- ✓ 3. PAINT SAFETY SHOWERS AND MODIFY/UPGRADE ALARMS IN THE
UTILITIES AREA. 12/92 SAFETY SHOWERS HAVE BEEN PAINTED
9/92. COMPLETE 4/93.
- ✓ 4. LABEL MP-10810/10820 START/STOP SWITCHES IN THE FIELD PER
S-316. 6/92. COMPLETE 4/93.
- ✓ 5. PAINT THE DEMIN AREA OF THE UTILITIES PLANT. 12/92
COMPLETE 7/92.
- ⑥ LABEL UTILITIES STATIONS IN THE UTILITIES AREA PER SAFETY
REFERENCE A-11. 12/92. IN PROGRESS 5/93. COMPLETION 12/93.
Complete 4/94.
- ✓ 7. REPLACE CHAINS WITH FIBERGLASS GATES ON ACCESS PLATFORMS.
12/92 COMPLETE 7/92.
- ✓ 8. INSTALL EXIT SIGNS IN NEW MCC AT UTILITIES. 8/92
COMPLETE 8/92.

DO A 117144
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS
WITH EXPECTED COMPLETION DATES:

RANDY ANSELMO - /

- ✓ 1. RETRAIN POWER 1/UTILITIES EMPLOYEES ON FIRE EXTINGUISHER TRAINING. 12/92 COMPLETE 7/92
- ✓ 2. IMPROVE DOCUMENTATION OF TRAINING MEETINGS BY PROVIDING A MORE DETAILED AGENDA DESCRIBING THE ITEMS COVERED. A FOLLOW-UP MECHANISM IS NEEDED TO INSURE ALL PERSONS ARE REACHED AND SIGNATURES DOCUMENTED. 8/92 COMPLETE 8/92.
- ✓ 3. SURVEY NITROGEN USERS TO DETERMINE WHAT LEVEL OF OXYGEN IN NITROGEN CAUSES THEM PROBLEMS. SURVEY WHAT ON-LINE INSTRUMENTATION THE USER PLANTS HAVE ALSO. 10/92 IN PROGRESS 9/92. COMPLETE 10/92.
- ✓ 4. DEVELOP A MEANS OF DOCUMENTING LAB EMPLOYEE TRAINING DURING CHECKOUT. 6/92 COMPLETE 6/92.
- Move to 9/92 III
5. CHAMPION THE PLAN FOR REVIEW OF SAFETY IPT'S. POWER 1 AREA SAFETY IPT'S TO BE REVIEWED BY POWER 1 AREA OPERATORS 12/92. UTILITIES AREA SAFETY IPT'S TO BE REVIEWED BY UTILITIES AREA OPERATORS 12/93. IPT'S ARE STILL IN DEVELOPMENT. EXTEND POWER 1 AREA COMPLETION DATE TO 12/93.
- ✓ 6. HOLD TRAINING FOR PERSONNEL ON SECURITY AWARENESS. 12/92 IN PROGRESS 9/92. POWER 1/UTILITIES DECIDED NOT TO DO THIS FOR THE PLANT. WE WILL PARTICIPATE IN THE DIVISION TRAINING AND PROGRAMS.
- ✓ 7. EMPLOYEES TO RECIEVE A MOTOR VEHICLE REFRESHER COURSE. 12/93 IN PROGRESS 9/92. COMPLETE 10/92.

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

GORDON GEOFFROY -

- Made to GAW*
- ①. UPDATE POWER 1/UTILITIES P&ID'S AND H&MB'S. 12/96
IN PROGRESS 9/92. BOILERS #1 AND #2 P&ID'S COMPLETE 12/92.
CONTINUED IN PROGRESS 5/93.

- Move to Tim Poirier*
- ②. INTERNALLY INSPECT THE TWO CONDENSATE TANKS AT POWER 1.
12/93. INCLUDED IN 1993 PLAN. *T-2 complete 1993.
T-1 to be completed 1st Qtr 1994.*

- Complete? Poirier?*
- ③. UTILIZE THE DIVISION PRESSURE VESSEL UPDATE PROGRAM. 12/93
THE DIVISION IS CURRENTLY PERFORMING OUR INSPECTIONS, BUT WE
NEED TO COMPLETE ALL VESSEL REGISTRATION. REGISTRATION IN
PROGRESS 5/93.

4. REGISTER THE BOILERS(4) INTO THE DIVISION PRESSURE VESSEL
INSPECTION PROGRAM. 12/93 COMPLETE 5/92.

5. PERFORM QUARTERLY HOUSEKEEPING AUDITS OF THE WAREHOUSES AND
FOLLOWUP TO INSURE THAT HOUSEKEEPING IS IMPROVED. ON-GOING.

3. *Plater's current -*

*All vessels are recognized by the Division at this time (1/94).
All but 40 vessels are completely registered. The remaining
40 vessels are "In Acquisition."*

DO A 117146
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

GLENN CROUSSILAC -

- ① REPAIR WATER LEAKS INTO POWER 1 SWITCH HOUSE. 8/92
IN PROGRESS 5/93. MOVE COMPLETION DATE TO 12/93.
- ✓ 2. MODIFY/UPGRADE SAFETY SHOWER ALARM DEVICES IN THE
POWER 1 AREA. 12/92. COMPLETE 4/93.
- ③ LABEL UTILITY STATIONS IN THE POWER 1 AREA PER SAFETY
REFERENCE A-11. 12/92. IN PROGRESS 5/93. COMPLETION 12/93.
- ④ REPLACE CHAINS WITH FIBERGLASS GATES ON ACCESS PLATFORMS.
12/92 IN PROGRESS 9/92. IN PROGRESS 5/93.
- ✓ 5. REMOVE GAS CYLINDERS FROM STEAM TURBINE DECK. 8/92
COMPLETE 6/92.

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

GILL WALKER-

- ①. UPDATE POWER 1/UTILITIES P&ID'S AND H&MB'S. 12/96
IN PROGRESS 9/92. IN PROGRESS 4/93.
- ✓2. UTILIZE THE DIVISION PRESSURE VESSEL UPDATE PROGRAM. 12/93
IN PROGRESS 9/92. COMPLETE 4/93.
- ✓3. IMPLEMENT PLAN TO UPGRADE CATHODIC PROTECTION THROUGHOUT
DIVISION. 12/92
DIVISION AUTHORIZATION HAS BEEN SUBMITTED. MOVE COMPLETION
DATE TO 6/93.
GILL IS COMPLETE WITH HIS PART. SEE KEN FOX'S RECOMMENDATION.
- ✓4. GAIN PROCESS ENGINEERING SUPPORT TO DEVELOP AND MAINTAIN THE
DIVISION PROCESS WATER SIMULATION PROGRAM. 5/92
COMPLETE 6/92.

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED COMPLETION DATES:

KEN FOX - 0

- ✓ 1. REVIEW THE DIVISION CATHODIC PROTECTION AND DEVELOP A PLAN TO BRING THE SYSTEM BACK TO AN ACCEPTABLE STANDARD. 6/92 REVIEWED 6/92. AUTHORIZATION REQUEST SUBMITTED. DEVELOPING PLAN FOR 1993. CHANGE COMPLETION DATE TO 6/93. AUTHORIZATION HAS BEEN PROCESSED TO UPGRADE CATHODIC PROTECTION 4/93.
- ✓ 2. DEDICATE RESOURCES TO REPAIR ASBESTOS INSULATION AS IDENTIFIED IN THE INSULATION AUDIT. 12/92 THE 1992 PLAN WAS COMPLETED IN 1992. THE 1993 MAINTENANCE PLAN INCLUDES THE 1993 EFFORT.
- ✓ 3. CONSIDER MAKING THE CONTROL ROOM A NON-SMOKING AREA. REVIEW THE DEPARTMENT SMOKING POLICY IN PLANT SAFETY MEETINGS. 8/92. POLICY REVIEW COMPLETE 12/92. LAD SMOKELESS POLICY TO BE IMPLEMENTED IN JULY 1993.

AREAS DISCUSSED IN THE CONSOLIDATED AUDIT THAT WILL REQUIRE SOME FINANCIAL SUPPORT:

1. DIVISION CATHODIC PROTECTION.
2. ASBESTOS INSULATION PLAN.
3. UPDATE PLANT P&ID'S AND H&MB'S. MANPOWER AND ENG. SUPPORT.
4. PRESSURE VESSEL AND SAFETY VALVE PROGRAM UPGRADE. ENG. SUPPORT.
5. CLARIFIER #3 CATHODIC PROTECTION.
6. NOISE REDUCTION EFFORTS.
7. ELECTRICAL AUDIT FOLLOWUP.
8. PAINT DEMIN AREA. COMPLETE 8/92.
9. UPGRADE SAFETY SHOWERS AND ALARMS.
10. REPLACE CHAINS WITH FIBERGLASS GATES ON ACCESS PLATFORMS.
11. LABEL UTILITY STATIONS.

DO A 117149
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

ERNIE MOSES - /

- ① UPDATE POWER 1/UTILITIES P&ID'S AND H&MB'S. 12/96
IN PROGRESS 9/92. BLOCK 18 DRAWINGS ARE NEARLY COMPLETE 5/93.
OUTSIDE AREAS WILL TAKE ANOTHER TWO YEARS.
2. IMPLEMENT PLAN TO UPGRADE CATHODIC PROTECTION
THROUGHOUT DIVISION. 12/92
DIVISION AUTHORIZATION HAS BEEN SUBMITTED. MOVE COMPLETION
DATE TO 6/93. SEE KEN FOX'S RECOMENDATIONS. ERNIE COMPLETED HIS
PART.
3. INSTALL EXIT SIGNS IN NEW MCC AT UTILITIES. 8/92
COMPLETE 8/92.

DO A 117150
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

WILLIE ARRINGTON- /

- ✓ 1. INSTALL HANDRAILS ON PLATFORMS SOUTH OF THE PRESSURE
FILTERS. 12/92
COMPLETE 8/92.
- ✓ 2. INSPECT WATER WELLS ON A QUARTERLY BASIS AND IDENTIFY ITEMS
THAT NEED ATTENTION AND FOLLOW UP. COMPLETE QUARTERLY
STARTING THE FIRST QUARTER OF 1992.
COMPLETE 3/92.
3. IMPROVE PIPEWAY LABELING AS DEFINED IN THE DIVISION
PIPEWAY AUDIT. 12/92
IN PROGRESS 9/92. WORK PROCEEDING SLOWLY DUE TO REDUCTION IN
OPERATOR OVERTIME. IN PROGRESS 4/93.

DO A 117151
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

GEORGE NASSER - /

*Move to
Emic's
list.* ①. UPDATE POWER 1/UTILITIES P&ID'S AND H&MB'S. 12/96
BOILER #1 AND #2 P&ID'S HAVE BEEN COMPLETED AS PART OF THE
BOILER NOX MODIFICATIONS. ST #2 WILL HAVE COMPLETED P&ID'S
FOR THE MAJOR OVERHAUL IN 1ST QUARTER 1993. P&ID'S WILL BE
UPDATED OR GENERATED AS OVERHAULS OR MAJOR MODIFICATIONS
ARE MADE TO EACH UNIT. ST #4 1Q94, ST #1 3Q94, BOILER #4 1995,
ST #3 1995.

✓2. INSTALL SIGNS THAT DEFINE SAFETY EQUIPMENT REQUIREMENTS
WHILE USING TOOLS IN THE POWER 1 INSTRUMENT SHOP. 8/92
COMPLETE 8/92.

DO A 117152
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

TOMMY LEBLANC-

- ✓ 1. INSTALL BROKEN GLASS CONTAINERS IN ALL LABS. 6/92
COMPLETE 6/92.

DO A 117153
CONFIDENTIAL

FOLLOWUP TO CONSOLIDATED AUDIT RECOMMENDATIONS WITH EXPECTED
COMPLETION DATES:

DEAN SMITH-

- ✓ 1. CHECK ON THE REGULATORY AND/OR LEGAL LIABILITY ASSOCIATED
WITH THE "OFF-LOADING" OF HYDROGEN AND PROTECTING THE
SUPPLIER/CARRIER/LOADER/OFF-LOADER FROM HARM WHILE HE IS ON
THE PLANT SITE. 12/92
COMPLETE 9/92.

DO A 117154
CONFIDENTIAL