

LOUISIANA DIVISION INDUSTRIAL HYGIENE REPORT

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

DEPARTMENT  
MAINTENANCE, CONSTRUCTION AND  
MAINTENANCE TECHNICAL SERVICES

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SUMMARY:

AN ASBESTOS IDENTIFICATION SURVEY WAS PERFORMED IN THE MACHINE SHOP AREA AND SEVERAL LINES WERE FOUND WHICH HAD ASBESTOS INSULATION. RECOMMENDATIONS MADE TO ENSURE THE SAFETY OF THE WORK PLACE.  
FUME HOODS IN MTS WERE INSPECTED AND PASSED. HAZARD COMMUNICATIONS TRAINING WAS GIVEN TO EMPLOYEES.

CONCLUSIONS:

IT WAS DECIDED TO HAVE THE INSULATORS, WHO ARE APPROVED TO HANDLE ASBESTOS, CALLED IN TO REMOVE AND CLEAN UP ANY ASBESTOS MATERIAL(GASKETS) IN THE MACHINE SHOP. PLANS FOR 1989 INCLUDE NOISE SURVEY IN FAB SHOP, HF AND HCL FUME MONITORING IN FAB SHOP, SURVEY FOR DUST, ASBESTOS AND CERAMIC FIBERS IN THE BRICK MASON SHOP AND SEVERAL OTHER GOALS.

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MAINTENANCE CONSTRUCTION AND  
MAINTENANCE TECHNICAL SERVICES  
LOUISIANA DIVISION  
1988 INDUSTRIAL HYGIENE REPORT

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## AREA OF RESPONSIBILITIES AND WORK DESCRIPTIONS

THE AREAS UNDER MAINTENANCE, CONSTRUCTION AND MAINTENANCE TECHNICAL SERVICES ARE AS FOLLOWS:

1. MACHINE SHOP - JIMMY ARMSTRONG : GENERAL MACHINE WORK ON PROCESS EQUIPMENT (OVERHAULS, MODIFICATIONS, BALANCING, SPECIALIZED MACHINE WORK, ELECTRIC MOTOR REPAIR).
2. FAB SHOP - DANE D'AQUIN : PIPE FABRICATION, VESSEL MODIFICATION AND NEW VESSEL CONSTRUCTION.
3. VALVE SHOP - HAROLD SON : SAFETY VALVE REPAIR, INSPECTION AND TESTING.
4. LUBRICATION - HUGH McLAURIN : LUBE OIL ANALYSIS.
5. PAINTERS - VERNON ATWOOD : FOR DIVISION.
6. INSULATORS - LARRY FLAKE : FOR DIVISION.
7. BRICK MASONS - MIKE DEFRAIN : FOR DIVISION.
8. CARPENTER SHOP - LOUIS SPARKMAN : FOR DIVISION.
9. MAINTENANCE PERSONNEL - LESTER POIRRIER : FOR DIVISION
10. CONSTRUCTION PERSONNEL - KEN O'BANION : FOR DIVISION
11. MAINTENANCE TECHNICAL SERVICES - JIM DEVILLIER : MATERIALS ENGR. & TESTING, MACHINERY ENGR. & TECHNOLOGY AND VIBRATION GROUP.

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## 1988 INDUSTRIAL HYGIENE SURVEY RESULTS

1. LABORATORY FUME HOODS WERE INSPECTED IN BUILDINGS 4104 AND 4107. ALL PASSED INSPECTION.

2. AN ASBESTOS IDENTIFICATION SURVEY WAS PERFORMED FOR THE MACHINE OVERHAUL, MOTOR REPAIR SHOP AREAS AND THE MOTOR CONTROL CENTER IN BUILDING 4105. SEE ATTACHED LETTER FOR RESULTS AND RECOMMENDATIONS.

IT WAS DECIDED TO ALLOW THE INSULATOR GROUP TO REMOVE ANY ASBESTOS GASKET MATERIAL IN THE MACHINE SHOP AND ALSO CLEAN UP THE GASKET STORAGE AREA.

3. AN ODOR COMPLAINT IN BUILDING 4106 WAS INVESTIGATED BY AN OSHA INSPECTOR AND DOW INDUSTRIAL HYGIENE. NO CITATIONS WERE ISSUED TO DOW.

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#### 1988 ACCOMPLISHMENTS

1. ALL LABORATORY FUME HOODS INSPECTED AND PASSED.
2. ALL PERSONNEL RECEIVED HAZARD COMMUNICATIONS TRAINING.
3. MONITORED FOR ASBESTOS FIBERS IN MACHINE SHOP AREA.

#### 1989 GOALS AND PLANS

1. TEST ALL LAB FUME HOODS.
2. HAZ COMM TRAINING FOR ALL EMPLOYEES.
3. MONITOR FOR WOOD FIBERS IN CARPENTER SHOP.
4. CONDUCT NOISE SURVEY IN VALVE AND FAB SHOP.
5. CONDUCT HCL AND HF FUME MONITORING ON LINED PIPE WORK IN FAB SHOP.
6. CONDUCT DUST MONITORING IN BRICK MASONS SHOP.
7. INSTALL DUST COLLECTION SYSTEM IN CARPENTER SHOP.
8. INSTALL EXHAUST FAN IN BRICK MASONS SHOP.
9. ENCLOSE LUNCH ROOM IN BLDG. 4106.
10. CONDUCT ASBESTOS MONITORING IN VALVE SHOP.
11. INVESTIGATE CERAMIC FIBER SITUATION.
12. CONDUCT CHEMICAL EXPOSURE MONITORING IN THE LUBRICATION LAB.
13. DEVELOP A CHEMICAL AND PHYSICAL AGENT INVENTORY LIST FOR MAINTENANCE, CONSTRUCTION AND MAINTENANCE TECH. SERVICES.

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