814 A

PLAINTIFF'S EXHIBIT

UC-4439

Pulled 4-3-92
for ucc/Edga
Meyer

UCTC 10875

DR CLEAN

ASBESTOS IS ~~IMMEDIATELY~~ primarily ASSOCIATED WITH INSULATING MATERIALS, AND WE KNOW THE PRIMARY ASBESTOS SOURCE IS IN OUR WORK AREA. WE REALIZE THAT IN THE PLANT WE ARE PROTECTED AGINST ASBESTOS, BUT AT HOME THERE ARE MANY ITEMS THAT CONTAIN ASBESTOS THAT ARE USED BY OUR FAMILY DAILY. HAIR DRYERS, WALL BOARD, TOASTERS, WIRE INSULATION, SIDING FOR YOUR HOME, BREAK SHOES FOR YOUR CAR ARE JUST A FEW THAT COME TO MIND, AND WE HAVE NO PROTECTION AT HOME. ★

ASBESTOS IS AN INERT MINERAL FIBER THAT POSES LITTLE OR NO HEALTH HAZARD IN CONTACT WITH THE SKIN OR BODY ORGANS FROM WITCH IT CAN BE REMOVED BY WASHING. HOWEVER INHALLATION OF DUST OR FIBERS THAT BECOME LODGED IN THE LUNGS HAVE BEEN STRONGLY ASSOCIATED WITH BRONCHIAL DISEASES SUCH AS ASBESTOSIS, MESOTHELIOMA, AND OTHER FORMS OF CANCER. SMOKERS HAVE TWELVE TIMES THE RISK OF NON-SMOKER IN DEVELOPING LUNG CANCER.

AT CARBIDE A HEALTH HAZARD RATING OF FOUR IS ASSIGNED TO ASBESTOS IN THE UCC HAZARD SIGNAL SYSTEM. IN THE NEXT FEW MINUTES WE WILL COVER ① DO'S AND DONT'S AROUND THE PLANT. ② PROTECTIVE EQUIPMENT AND CLOTHING THAT MUST BE WORN AT ALL TIMES WHEN STRIPPING OR CLEANING UP ASBESTOS. ③ SETTING UP SIGNES AND BARRICADES TO PROTECT FELLOW WORKERS. ④ RULES AND PRACTICES FOR STRIPPING ASBESTOS. ⑤ DISPOSAL OF ASBESTOS AND USED CLOTHING.

★ Perhaps this would be better at end of presentation?

UCTC 10876

PIPE WITH INSULATION

THE HAULING OF PIPING OR EQUIPMENT CONTAINING LOOSE ASBESTOS INSULATION IS PROHIBITED, EITHER IN OR OUT OF PLANT

TAPING EDGE OF INSULATION

THERE SHALL BE NO LOOSE INSULATION. ALL CUT EDGES MUST BE CONTAINED BY COVERING AND/OR TAPING.

INJECTION COMES OF A COMFO II CUSTOM DUST RESPIRATOR WITH TYPE "H" FILTER.

UCTC 10877

SHOT OF WORKERS GOING THROUGH BARRICADE

NEVER CUT ACROSS BARRICADED WORK AREA. IF YOU SHOULD, YOU MAY CARRY ASBESTOS DUST AND FIBERS HOME TO THE FAMILY AND EXPOSE THEM WITH OUT THEIR KNOWLEDGE

WORKER BREAKING OFF INSULATION.

NEVER GET IN SUCH A HURRY THAT YOU CAN'T WAIT FOR THE INSULATORS TO REMOVE THE INSULATION, ESPECIALY ON HOT SERVICE LINES, YOU CAN ALMOST BET THE LINES ARE INSULATED WITH ASBESTOS MATERIAL.
INCERT HERE

INSULATOR WITH PROTECTIVE EQUIP.

PROTECTIVE EQUIPMENT AND CLOTHING MUST BE WORN AT ALL TIMES WHEN STRIPPING OR CLEANING UP ASBESTOS MATERIAL.

ACE HACK

PROTECTION CONSISTS OF A COMFO II CUSTOM DUST RESPIRATOR WITH TYPE "H" FILTER.

HOOD

PROTECTIVE HOOD TO PREVENT DUST & FIBERS FROM GETTING INSIDE OF CLOTHING.

RUBBER BOOTS

... AND RUBBER BOOTS

GLOVES

... GLOVES

UCTC 10878

INSULATOR IN COVERALLS

PROTECTIVE CLOTHING . . . WILL BE RE-USABLE CLOTH COVERALLS OR DISPOSABLE COVERALLS

SHOT OF MONITOR ON WORKER

YOU WILL BE ASKED TO WEAR A MONITOR DURING STRIPPING OR CLEANING-UP ASBESTOS OPERATIONS.

SHOT OF ROPED OFF AREA

PRIOR TO STRIPPING ASBESTOS INSULATION THE WORK AREA ROPED OFF, OR BARRICADED WITH BLACK + YELLOW TAPE.

LONG SHOT OF ROPED OFF AREA

THE AREA ROPED OFF MUST BE AT A DISTANCE THAT WILL PREVENT EXPOSURE TO UNPROTECTED FELLOW WORKERS WHO WILL PASS BY THE AREA DURING STRIPPING OR CLEANING OPERATIONS.

WARNING SIGNS

WARNING SIGNS MUST BE POSTED AT ALL ACCESS POINTS, AND POSTED AROUND THE BARRICATED AREA.

WORKER WETTING DOWN ROPED OFF AREA.

THE AREA WITHIN THE ROPED OFF AREA MUST BE WET AT ALL TIMES TO PREVENT THE DUST + FIBERS FROM BECOMING AIR-BORN

UCTC 10879

WORKER IN AREA

... AND PROTECTIVE CLOTHING AND EQUIPMENT MUST BE WORN AT ALL TIMES IN THE BARRICADED AREA.

WORKER HOSEING DOWN ASBESTOS

ALL ASBESTOS MATERIAL TO BE STRIPPED MUST BE HOSED DOWN AND KEPT WET DURING REMOVAL

WORKER STRIPPING ASBESTOS

STRIP THE ASBESTOS IN THE SAME MANNOR YOU WOULD STRIP ANY OTHER INSULATION BUT YOU MUST KEEP IT WET AT ALL TIMES TO REDUCE DUST & FIBER.

WORKER PLACING ASBESTOS IN BAGS.

ALL ASBESTOS MATERIAL MUST BE PLACED INTO 6/HUNDRETH THICK PLASTIC BAGS AND THE WEIGHT SHOULD NOT EXCEED 10 POUNDS

WORKER SEALING BAG.

THE BAGS ARE THEN SEALED AND A LABEL READING "WARNING ASBESTOS MATERIAL" IS ATTACHED TO THE BAG.

BAGS IN PILE

ONLY ASBESTOS MATERIAL SHOULD BE PLACED IN THE BAGS, GLASS AND METAL MIGHT PUNCTURE THE BAG AND CREAT A DUST HAZARD.

UCTC 10880

LOADING BAGS IN TRUCK

BAGS SHOULD BE HANDLED WITH CARE AT ALL TIMES. ALL ASBESTOS IS SENT TO GULF COAST LAND FILL FOR SAFE AND PROPER DISPOSAL

WASHING DOWN SCAFFOLD

WASH DOWN EACH SCAFFOL LEVEL AS STRIPPING IS COMPLETED, WORKING FROM TOP TO BOTTOM.

WASHING DOWN AREA.

AFTER STRIPPING IS COMPLETED AND ALL MATERIAL BAGGED AND TRANSPORTED OUT OF THE AREA. THE AREA MUST BE CLEANED BY WASHING AND WET SWEEPING.

WORKER PLACING COVERALLS IN CONTAINER.

ALL RE-USABLE COVERALLS ARE PLACED IN SPECIAL DRUMS, MARKED WITH ASBESTOS LABEL. THE COVERALLS ARE CLEANED BY A SPECIAL CLEANING PROCESS BY A OUTSIDE VENDOR. DISPOSABLE COVERALLS ARE PLACED IN THE REGULAR ASBESTOS BAGS.

WORKERS EATING LUNCH

WORKERS WILL NOT WEAR COVERALLS OUTSIDE OF AREA, AND A FRESH CHANGE WILL BE PROVIDED AFTER ANY BREAK.

CLEANING RESPIRATOR AND BOOTS

ALL RESPIRATORS AND BOOTS ARE CLEANED FOR RE-USE AT A LATER TIME

UCTC 10881

FOR MORE THAN A DOZEN YEARS WE HAVE DONE ROUTINE ANNUAL CHEST X-RAYS ON INSULATORS AND HAVE DONE PULMONARY FUNCTION STUDIES SINCE 1967. IN 1971 WE BEGAN DOING SPUTUM EXAMINATIONS AND IN 1972 WE ALSO INCLUDED A CHEST EXAMINATION BY A PHYSICIAN. WE WILL CONTINUE TO DO EVERYTHING WE CAN TO RECOGNIZE ANY ILL EFFECTS OF ASBESTOS AS EARLY AS POSSIBLE.

THE INDUSTRIAL HYGINE DEPARTMENT WILL CONTINUE TO TAKE BREATHING ZONE SAMPLES OF EMPLOYEES DURING ROUTINE WORK IN HANDELING ASBESTOS. AND THE EMPLOYEE WILL BE NOTIFIED IF ANY OF THESE SAMPLES EXCEED THE CEILING LIMITS. THE STANDARDS SETS 10 FIBERS PER CC FOR THE CEILING AND 2 5 FIBERS PER CC FOR THE EIGHT HOUR AVERAGE.

FINALY LETS CONSIDER OUR FAMILY'S HEALTH AND SAFETY BY NOT EXPOSING THEM TO ASBESTOS. WHEN YOU PURCHASE APPLIANCES, BUILDING MATERIALS, AUTOMOBILE PARTS ALL WAYS CHECK FOR ANY ASBESTOS CONTENT.

UCTC 10882

THE PURPOSE OF THIS PRESENTATION IS TO AQUAINT ALL TEXAS CITY PLANT PERSONNEL WITH THE HEALTH HAZARDS INVOLVING ASBESTOS FIBERS & THE IMPORTANCE UNION CARBIDE PLACES ON THE PROPER HANDLING OF THIS MATERIAL.

MOST PEOPLE WILL IMMEDIATELY ASSOCIATE ASBESTOS WITH INSULATING MATERIALS, & RIGHTFULLY SO, SINCE THEY ARE THE PRIMARY SOURCE OF ASBESTOS IN OUR WORK AREAS. BUT WE SHOULDN'T BE CAUGHT OFF GUARD BECAUSE MANY OTHER ITEMS USED IN THE PLANT AND AROUND THE HOME AS WELL CONTAIN THIS ~~MINERAL~~ SUBSTANCE. IT IS A FIBEROUS MINERAL HAVING A WHITE, GRAY, GREEN OR YELLOWISH COLOR. ASBESTOS IS VERY STABLE AT UNUSUALLY HIGH TEMPERATURES (>1000°C) & IT HAS EXCELLENT INSULATING PROPERTIES. MOST OF THE COMMERCIAL USES OF ASBESTOS ARE BASED ON THESE THERMAL PROPERTIES.

STARTING ABOUT 1973, ASBESTOS CONTAINING INSULATION MATERIALS BEGAN TO BE PHASED OUT BY MOST MANUFACTURES. TODAY ALL OUR INSULATION ITEMS ARE ASBESTOS FREE. THE HAZARD STILL EXISTS, HOWEVER, IN THE OLD INSULATION STILL IN USE ALL OVER OUR PLANT. REMOVAL & DEMOLITION OF INSULATION IN THESE OLDER AREAS IS THE PRINCIPAL CAUSE FOR CONCERN WHICH WILL BE ADDRESSED HERE.

ASBESTOS IS AN INERT MINERAL FIBER WHICH POSES LITTLE, OR NO, HEALTH HAZARD IN CONTACT WITH THE SKIN OR BODY ORGANS FROM WHICH IT CAN BE REMOVED BY WASHING OR PURGING. HOWEVER, DUST OR FIBERS OF ASBESTOS WHICH BECOME LODGED IN THE LUNGS BY INHALATION ARE NOT REMOVED BY ABSORPTION OR EXPULSION AND HAVE BEEN STRONGLY ASSOCIATED WITH BRONCHIAL DISEASES SUCH AS ASBESTOSIS, MESOTHELIOMA, AND OTHER FORMS OF CANCER.

UCTC 10883

THE HEALTH HAZARD LEVELS FOR CONTACT WITH ASBESTOS ARE NOT GIVEN IN THE MANUAL OF HAZARDS TO HEALTH FROM CHEMICALS. HOWEVER, BASED ON THE ASSOCIATION OF LUNG CANCER WITH INHALATION OF ASBESTOS FIBERS, A HEALTH HAZARD RATING OF 4 IS ASSIGNED TO ASBESTOS IN THE UCC HAZARD SIGNAL SYSTEM.

STANDARDS FOR EXPOSURE OF WORKMEN TO ASBESTOS HAVE BEEN ADOPTED BY OSHA AS FOLLOWS: "PERMISSABLE EXPOSURE TO AIRBORNE CONCENTRATIONS OF ASBESTOS FIBERS: 1. STANDARD EFFECTIVE JULY 1, 1976 - THE 8-HOUR TIME-WEIGHTED EXPOSURE SHALL NOT EXCEED TWO FIBERS, LONGER THAN 5 MICROMETERS, PER CUBIC CENTIMETER OF AIR: 2. CEILING CONCENTRATION - NO EMPLOYEE SHALL BE EXPOSED AT ANY TIME TO AIRBORNE CONCENTRATIONS OF ASBESTOS FIBERS IN EXCESS OF 10 FIBERS, LONGER THAN 5 MICROMETERS, PER CUBIC CENTIMETER OF AIR".

IT SHOULD BE NOTED THAT IN MOST INSTANCES THE EMPLOYEE WILL NOT BE EXPOSED TO CONCENTRATION ABOVE THE ALLOWABLE LIMIT. ALL PRECAUTIONS ARE TAKEN, NEVER-THE-LESS, SINCE THERE IS NO QUICK WAY OF OBTAINING THE RESULTS FROM THE MONITORS THAT ARE USED DURING THESE ACTIVITIES.

THE FOLLOWING FILM SEQUENCE WILL PORTRAY THE OSHA REGULATED EQUIPMENT & PROCEDURES REQUIRED FOR THE PROPER HANDLING & DISPOSAL OF ASBESTOS CONTAINING INSULATION.

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