PLAINTIFF'S EXHIBIT

UC-2099

SPECIALTY CHEMICALS DIVISION

SOUTH CHARLESTON PLANT ENGINEERING

December 9, 1986

TO: 1) W. D. Bradbury, Jr.
2000A433E

2) M. G. Dwyer
L3488
Danbury

CC: G. F. Hayes
J. C. Ketcham
R. G. Link/C. H. Hancock
A. Lynch
D. J. McNeil
A. B. Williamson

SUBJECT: 930-WORK ORDER REQUEST 514-0560
ASBESTOS INSULATION REMOVAL
OXIDE ADDUCTS UNIT
SOUTH CHARLESTON PLANT

The attached Work Order Request has been approved by local management. Please obtain additional approval signatures and process through regular channels.

J. F. Dodd

wdm
Attachment
2985G

UCC 006417

cc F. CBH / JKC
TRS. J.O.

UW-0204 # 44

RECEIVED
JAN 08 1987
MAINTENANCE DEPT

UNION CARBIDE

SPECIALTY CHEMICALS DIVISION
ENGINEERING DEPARTMENT

CAPITAL WORK ORDER 930- 2038
JOB NUMBER 190821
PAGE 1 OF 3

TITLE:

ASBESTOS INSULATION REMOVAL
OXIDE ADDUCTS UNIT
SOUTH CHARLESTON PLANT

REQUEST OR JOB NO.: 514- 0560

SPONSOR: Specialty Chemicals Div.
DEPT:
PROJECT: D.J. McNeil

BUDGET NUMBER: 86WA1003

OPR.DPT.SYS. 169100 PROFIT CENTER 162

ENDORSEMENT / APPROVAL ROUTING:

PROJECT PRIORITY: (A) B.C.D.

LOCATION 514 BLDG.NO.

ADMINISTERED BY: (X) 464 (AD.CODE 1)
( ) PLANT (AD.CODE 2) ( ) DISTRIBUTION (AD.CODE 3)

| TITLE (24 SPACES) | ACCOUNT | ORDER NO. | DATE | AUTHORIZATION |
|---|---|---|---|---|
| REM ASBESTOS & INSULATE | 9 3 1 0 1 0 1 0 1 0 | | 1 2 0 1 6 | $ 50,000 |

This project is to provide for removal and replacement of asbestos and temporary insulation at the Oxide Adducts Unit ($100M). Asbestos insulation will be removed from process equipment and lines and replaced with new insulation to minimize the Occupational Health risk caused by Airborne Asbestos Fibers. Temporary insulation will be removed and lines insulated for freeze protection and personnel protection.

This project will be administered by the Maintenance Department at South Charleston Plant and the removal work will be performed by an outside contractor.

PRINCIPLE TYPE OF PROJECT: Environmental
NPV #@ NA . NA %

AUDIT REQ. YES ☐ NO ☒ DATE

CAPITAL COST: RANGE ± 10 % CR ISSUE $50,000

| LOCAL ENDORSEMENT | | SIGNIFICANT IMPACT YES | SIGNIFICANT IMPACT NO |
|---|---|---|---|
| ENVIRONMENTAL | JLW | x | |
| OCC. HEALTH | MJS | | x |
| SAFETY | MJS | | x |
| ENERGY | TGS | | x |
| ENERGY CONSERVA. | TGS | | x |

INCLUDES:
AIR POLLUTION CONTROL
WATER POLLUTION CONTROL
RESIDUE (SOLIDS) DISPOSAL
OCC. HEALTH
SAFETY
NOISE CONTROL
TOTAL H.S. & EA

| | | | |
|---|---|---|---|
| RETIREMENT OF PROPERTY (1) | 838000 | 2 4 0 1 | $50,000 |
| EXPENSE (REARRANGEMENTS, REVISIONS, ETC.) (2) | 838000 | | |
| CAPITAL EXCLUSION TO PROFIT CENTER | | | |
| EST.CONSTR.COMP.DATE | | TOTAL ESTIMATE @ | $100,000 |

DISTRIBUTION OF APPROVED WORK ORDER:

W. D. BRADBURY, JR.
A. LYNCH
G. F. HAYES
R. G. LINK
C. H. HANCOCK
G. M. ROSENGARTEN, JR(2)
J. F. DODD
A. B. WILLIAMSON
G. R. HATTIANGADI
J. L. WORSTELL
J. E. McKEON
A. WALKER
D. G. MOSHIER
D. J. McNEIL
J. C. KETCHAM
J. R. DEMENT

| DATE | APPROVALS |
|---|---|
| 12/1/86 | |
| 12/4/86 | |
| 12/5/86 | |
| 12/5/86 | |
| 12/5/86 | |
| 12/5/86 | |
| 12/10/86 | |
| 12/16/86 | |
| 12/ /86 | |
| 12/24/86 | |
| 12/19/86 | |
| 12/19/86 | |

COST SUMMARY TO: J. F. Dodd 82-712 (514)(2)

CAD421 10/11/85

UCC 006414

## OBJECTIVE OF THE PROJECT

The objective of this project is to minimize hazards of airborne asbestos in the Oxide Adducts Unit and upgrade temporary insulation to provide freeze-protection and personnel protection for lines and equipment.

## JUSTIFICATION

The justification of this project is Occupational Health. The proposed OSHA Asbestos Standards, 1910.1001, specifies 0.2 fibers/cc as the maximum allowable exposure over an 8-hour period. Also, many uncovered lines pose a burn hazard for employees. The project also provides freeze-protection to lines during cold weather.

## ALTERNATIVES TO REMOVAL

Continue operations with the present asbestos insulation. Personnel may be exposed to airborne particulate asbestos or burn hazards. Unit operation may be endangered in sub-freezing temperatures.

## TECHNICAL RISK

There is no technical risk associated with this project.

## OCCUPATIONAL HEALTH CONSIDERATIONS

This project will correct an occupational health concern by removing asbestos insulation from equipment and lines in the Oxide Adducts Unit. When the insulation is being removed, safety and health guidelines will be followed which includes: installing rope barricades and clearing the area of plant personnel; posting of warning signs; proper bagging and disposal of insulation; and monitoring of surrounding work areas. In addition, assuring that contractor personnel adhere to guidelines such as: wet clean-up; wearing of appropriate respirators; wearing and disposal of proper clothing.

## ENVIRONMENTAL PROTECTION CONSIDERATIONS

This project will be in compliance with all applicable OSHA and EPA Regulations.



*Union Carbide trial exhibit UC-2099: J. F. Dodd Transmittal of Work Order Request for Asbestos Insulation Remova...* Published by AsbestosClaims.Law
ACL Doc 17117 · Page 3 of 4 asbestosclaims.law/library/17117/3

PROJECT PLAN

This request is for the Oxide Adducts Unit, Specialty Chemicals Division.

All work associated with this project will be performed by contractors, therefore, the costs will be controlled by obtaining competitive bids. The bids will be firm-price quotes.

Mr. L. B. Hewitt from Maintenance will monitor the work of the contractor to assure completeness of scope and quality of work.

PROJECT TEAM

| | |
|---|---|
| Maintenance Dept. Representative | L. B. Hewitt |
| Plant Engineering - Monitor Costs | A. B. Williamson |

2902G



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