

SPECIALTY CHEMICALS DIVISION
SOUTH CHARLESTON PLANT ENGINEERING

December 9, 1986

TO:

1) *[Signature]*
W. D. Bradbury, Jr.
2000L4336

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.

[Signature]

wdm
Attachment
2985G

UCC 006417



SPECIALTY CHEMICALS DIVISION
ENGINEERING DEPARTMENT

CAPITAL WORK ORDER 930- 2030
JOB NUMBER 190821
PAGE 1 OF 3

WV-0204 # 44

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TITLE: ASBESTOS INSULATION REMOVAL OXIDE ADDUCTS UNIT SOUTH CHARLESTON PLANT		REQUEST OR JOB NO.: 514- 0560	
OPR.DPT.SYS. 169100 PROFIT CENTER 162		SPONSOR Specialty Chemicals Div. DEPT: PROJECT: D.J. McNeil	BUDGET NUMBER 86WA1003
LOCATION 514 BLDG.NO.		ENDORSEMENT / APPROVAL ROUTING:	PROJECT PRIORITY A.B.C.D.
ADMINISTERED BY: KX464 (AD.CODE 1) (1) PLANT (AD.CODE 2) (1) DISTRIBUTION (AD.CODE 3)			
TITLE (24 SPACES) REM ASBESTOS & INSULATE		ACCOUNT 913101010	ORDER NO. 1 1 1 1
		DATE 1 2 0 1 6	AUTHORIZATION \$ 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 M# NA	NA x
AUDIT REQ. YES ☐ NO ☒ DATE		CAPITAL COST RANGE 10 % CR ISSUE \$50,000	
LOCAL ENDORSEMENT		INCLUDES: AIR POLLUTION CONTROL _____ WATER POLLUTION CONTROL _____ RESIDUE (SOLIDS) DISPOSAL _____ OCC. HEALTH _____ SAFETY _____ NOISE CONTROL _____ TOTAL H.S. & EA _____	
ENVIRONMENTAL	JLW	X	
OCC. HEALTH	MJS		X
SAFETY	MJS		X
ENERGY	TGS		X
ENERGY CONSERVA.	TGS		X
RETIREMENT OF PROPERTY (1)		838000	2 4 0 1 \$50,000
EXPENSE (REARRANGEMENTS, REVISIONS, ETC.) (2)		838000	1 1 1 1
CAPITAL EXCLUSION TO PROFIT CENTER			
EST.CONSTR.COMP.DATE		TOTAL ESTIMATE \$ \$100,000	
DISTRIBUTION OF APPROVED WORK ORDER:		DATE	APPROVALS
W. D. BRADBURY, JR. A. WALKER		12/1/86	Joseph W. Dement
A. LYNCH D. G. MOSHIER		12/1/86	Joseph W. Dement
G. F. HAYES D. J. MCNEIL		12/5/86	Joseph W. Dement
R. G. LINK J. C. KETCHAM		12/5/86	Joseph W. Dement
C. H. HANCOCK J. R. DEMENT		12/5/86	Joseph W. Dement
G. M. ROSENGARTEN, JR(2)		12/5/86	Joseph W. Dement
J. F. DODD		12/5/86	Joseph W. Dement
A. B. WILLIAMSON		12/5/86	Joseph W. Dement
G. R. HATTIANGADI		12/5/86	Joseph W. Dement
J. L. WORSTELL		12/5/86	Joseph W. Dement
J. E. MCKEON		12/5/86	Joseph W. Dement
COST SUMMARY TO: J. F. Dodd 82-712 (514)(2)		12/15/86	Joseph W. Dement

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.

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
Plant Engineering - Monitor Costs

L. B. Hewitt
A. B. Williamson

2902G