Bill Enoman

W. G. KRUMMRICH PLANT

PROJECT PREMISES

TECHNICAL SERVICES DEPARTMENT

Jim Savage 4-2466

#5,000 Demin Tank 2,000

Est 2031 Install Blow Tank Demister #5,000 mainly 1/yr

Cap. 12,000 96hp 4,000 Dem. 1500 Tot 17,500

Title BLOW TANK MIST ELIMINATOR

| Dept. | Bldg. | Project No. | WorkOrder No's | T.S.D. Job No. | Pg | of |
|---|---|---|---|---|---|---|
| 246 | | 2031 | | 4119 | 1 | 3 |

Misc Ident Data

Revision No.

Date 6/3/70

Objective

TO REDUCE THE LOSS OF ACETONE TO THE SEWER FROM THE BLOW TANKS FROM A LEVEL OF 250 POUNDS PER DAY TO 5 POUNDS PER DAY OR LESS.

Scope

1. Capital Additions, Replacements

THIS PROJECT WILL INSTALL A 750 GALLON TANK WITH A BRINK MIST ELIMINATOR IN THE MIX LINE BETWEEN THE BLOW TANKS AND THE SCRUBBER. ALL EQUIPMENT AND PIPING WILL BE OF STEEL EXCEPT THE FIBER PACKING OF THE MIST ELIMINATOR. THE EQUIPMENT WILL BE LOCATED ON NEW STEEL NEAR THE WALKWAY JOINING THE 2ND FLOORS OF THE OLD AND ANNEX AREAS. THE 12" SCRUBBER HEADER WILL BE REPLACED WITH HETTICH 72 PIPING SINCE THE EXISTING STEEL DUCT IS OVERLOADING. THE INSTALLED CAPITAL COST WILL BE BETWEEN $15,000 AND $17,000.

2. DISMANTLING AND RETIREMENTS

THE 3" LINE PRESENTLY USED TO PIPE BLOW TANK AIR FROM THE INTERMEDIATE STORAGE TANK TO THE SCRUBBER HEADER WILL BE DISMANTLED AND RETIRED. THE EXISTING MUD UNUSED 18" STACKS ON THE ANNEX FLOOR

Include as appropriate the following headings: 2. Dismantling and Retirements 3. Repairs 4. Other Expenses Also: PROCESS FEATURES; SAFETY FEATURES; BASIS OF ESTIMATE; CONSTRUCTION ITEMS; TENTATIVE PROJECT SCHEDULE

MONS 096844

TANKS WILL BE DISMANTLED AND RETIRED. A 4" STEEL LINE WILL BE INSTALLED TO CONNECT THE DAI BLOW TANKS TO THE EXISTING 8" STEEL LINE THAT WILL BE RUN TO THE NEW CONDENSATE TANK. THE EXISTING SCRUBBER HEADER WILL BE REMOVED. DISMANTLING EXPENSE WILL BE ABOUT $5,000.

3. PROCESS FEATURES

THE NEW 750 GALLON TANK WILL ACT AS A CONDENSATE CATCH TANK FED BY AN EXTENSION ON THE 8" STEEL LINE FROM THE BATCH BLOW TANKS. THE CONTINUOUS BLOW TANK AIR WILL BE PIPED FROM THE INTERMEDIATE STORAGE TANK IN A NEW FOUR INCH LINE TO THE 8" STEEL LINE. THE AIR WILL PASS FROM THE CONDENSATE TANK THROUGH THE MIST ELIMINATOR TO THE SCRUBBER HEADER. THE MIST ELIMINATOR WILL DRAIN TO THE CONDENSATE TANK. THE CONDENSATE TANK DRAIN WILL CONNECT TO THE EXISTING OFF GAS CONDENSATE POT TO ENABLE TRANSFER.

THE CONDENSATE WILL AVERAGE ABOUT 850 #/DAY. BY COLLECTING AND REWORKING THIS MATERIAL, A SAVINGS OF $5,000/YEAR WILL BE REALIZED BASED ON A 6¢/POUND VALUE ON CONDENSATE MATERIAL. A REDUCTION FROM ABOUT 850 #/DAY WHEN THE PRESENT TRAP MALFUNCTIONS TO ABOUT 5 #/DAY IN AROCLOR SEWERING WILL RESULT.

A. CONSTRUCTION ITEMS

PLANT LABOR WILL BE USED FOR INSTALLATION WITH NO OVERTIME NECESSARY. THE RELATED EQUIPMENT CAN BE SHUT DOWN FOR THE INSTALLATION AND NO UNUSUAL HAZARDS SHOULD BE ENCOUNTERED. SMALL AMOUNTS OF HCl AND AROCLOR FUMES MAY EXIST IN THE EQUIPMENT, BUT NO SPECIAL PRECAUTIONS SHOULD BE NECESSARY.

5. TENTATIVE PROJECT SCHEDULE

APPROPRIATION REQUEST — JUNE 8
PROJECT PACKAGE — JULY 1 WITH VERBAL APPROVAL

INSTALLATION IN AUGUST OR SEPTEMBER

PREPARED BY:

W. A. KRULL

APPROVALS:

| | |
|---|---|
| TSD | W. C. Engmann 6/3/70 |
| MAINT. SUP | Buell Cochran 6/4/70 |
| PROD. SUP | K. M. [illegible] 6/4/70 |
| PROD GR. SUPT. | Tsell Corbin 6/5/70 |

DISTRIBUTION:

E. W. CARLOW
D. W. JACKSON
C. N. DEUSNER
B. J. YOUNG
R. M. McCUTCHAN
W. C. ENGMANN ←
T. E. GREENMAN
C. F. BUCKLEY
M. A. PIERLE
D. E. KIRCHER
R. J. CRUMP
B. L. BIGGE

MONS 096846