



WORK REQUEST FORM
ANNISTON TECHNICAL SERVICES DEPARTMENT

ORIGINAL TO T.S.D. FILES
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INITIATED BY R.V. CARLISLE DATE 4-17-70
COMPLETED BY R.V. CARLISLE DATE 4-17-70
DEPT. 826.08/17 PRODUCT ANODOR JOB NO. 004-1066

TITLE
ANALYZE PROBLEMS RELATED TO AIR PAD SYSTEM AT CHLORINE UNLOADING DOCKS

STATEMENT OF PROBLEM AND OBJECTIVE (USE REVERSE SIDE IF NECESSARY)

THE BACKFLOW PREVENTION SYSTEM, ON THE AIRPAD COMPRESSORS AT THE CL₂ UNLOADING DOCKS, HAS FAILED TO PERFORM PROPERLY. CHLORINE HAS BACKED UP INTO THE AIR SYSTEM ON SEVERAL OCCASIONS, RESULTING IN DAMAGE TO INSTRUMENTS, VALVES, AIR DRYER, AND RELATED EQUIPMENT. THE BARTON D/P METER NOW IN SERVICE APPARENTLY IS UNRELIABLE. TWO OF THESE METERS HAVE BEEN DAMAGED BEYOND REPAIR (METER COST- \$435 EACH).

THE BARTON METER SHOULD BE REPLACED WITH A MORE RELIABLE METER.

ESTIMATED SAVING ON OTHER BENEFITS

THE AIR PAD SYSTEM HAS ONLY BEEN IN OPERATION 11 MONTHS. THE COST OF LABOR AND REPLACED EQUIPMENT HAS BEEN IN EXCESS OF \$1500. THE COST OF DAMAGE TO COMPRESSOR AND AIR DRYER SYSTEM IS UNKNOWN.

SUGGESTED APPROACH, REFERENCES, ETC.

THE BARTON D/P METER SHOULD BE REPLACED WITH A RELIABLE FOXBORO D/P TRANSMITTER WITH MERCURIO SWITCH CONTROLLING THE BACK FLOW PREVENTION VALVE.

PRELIMINARY EVALUATION (To be completed by Technical Service Dept.)

MANPOWER REQUIREMENTS	NO. MEN	T.S.D. COST	ESTIMATED SAVINGS OR PROFITS	NEW FIXED CAPITAL
EVALUATION <u>16</u> MAN HOURS	<u>1</u>	<u>\$336</u>	<u>\$1000 / YR</u>	
CH. E. DES. _____ MAN HOURS				
M. E. DES. _____ MAN HOURS				
E. E. DES. <u>16</u> MAN HOURS				
INSTR. _____ MAN HOURS				
DRAFTING _____ MAN HOURS				
START-UP <u>16</u> MAN HOURS				
_____ MAN HOURS				
_____ MAN HOURS				
TOTAL <u>48</u> MAN HOURS				
TOTAL <u>6</u> MAN DAYS				
Approval <u>[Signature]</u> TSD Superintendent		ASSIGNED TO <u>J.A. Vezev / R.V. Carlisle</u>		

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