V. BRAWLEY

W. G. KRUMMRICH PLANT

PROJECT PREMISES

TECHNICAL SERVICES DEPARTMENT

Title	AIR POLLUTION CONTROL				
Dept.	Bldg.	Project No.	WorkOrder No's	T.S.D. Job No.	Pg of
246		2675		4119	1 2
Misc Ident Data				Revision No.	
				Date	12/15/70

Objective REDUCE AROCLOR AIR POLLUTION TO 2 #/DAY OR LESS FROM DEPT. 246.

Scope

1. Capital Additions, Replacements – NONE
2. ALTERATIONS

THE NITROGEN SYSTEM AT THE #2 AND #3 AIR TANKS WILL BE MODIFIED. THIS WILL REQUIRE PRESSURE CONTROL VALVES AND/OR CONSERVATION VENTS AND A SMALL AMOUNT OF GALVENIZED PIPE. INSTALLATION MAY BE IDENTICAL TO THE SYSTEM APPLIED TO FINISHED GOODS STORAGE TANKS IN DEPT. 246. APPROXIMATE INSTALLED COST WILL BE $4000 EXPENSE.

THE RELIEF LINES ON NO's 1, 2, 3 AND 4 BATCH CHLORINATORS RELIEVE VERTICALLY INTO THE AIR. THESE DISCHARGE LINES WILL BE ROUTED TO THE CONCRETE PAD BELOW THE CHLORINATORS. COST OF THIS PART WILL BE ABOUT $2000. ~~EXPENSE~~ EXPENSE.

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

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3. PROCESS FEATURES

THE NITROGEN BLANKET SYSTEM TO BE APPLIED TO THE #2 AND #3 MIX TANKS WILL HOLD A NITROGEN PRESSORE OF ABOUT 4 INCHES. W.C. ON THE MIX TANKS. IF THE PRESSURE IN THE TANKS BECOMES LESS THAN THIS, NITROGEN WILL BLEED IN UNTIL THE PRESSURE RISES. WHEN THE PRESSURE RISES ABOVE ABOUT SEVEN INCHES W.C. ANOTHER VALVE WILL OPEN AND RELEASE THE GAS TO THE AIR. THIS WILL REDUCE AIR POLLUTION TO A NEGLIGIBLE AMOUNT FROM A CALCULATED LEVEL OF 5 #/DAY AT THIS SOURCE.

4. SAFETY FEATURES

THE NITROGEN BLANKET SYSTEM WILL BE BACKED UP WITH A PRESSURE - VACUUM CONSERVATION VENT. THIS VENT WILL OPEN TO THE ATMOSPHERE IF THE PRESSURE IN THE MIX TANK REACHES ABOUT 10 INCHES W.C. OR IF THE VACUUM REACHES ABOUT 1 INCH W.C.

THE RELIEF LINES FROM THE FOUR BATCH CHLORINATORS WILL BE CHECKED FOR SIZE. THE RELIEVING PRESSURE WILL REMAIN AT 25 PSIG.

5. TENTATIVE PROJECT SCHEDULE

APPROPRIATION REQUEST - JAN 1, 70

DESIGN PACKAGE [redacted] - FEB 1, 71

PREPARED BY:
W. A. KRULL

APPROVALS:

TSD	W. C. Engman	12/15/70
MAINT	Bill Young	12/22/70
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