TSD CHARTER AND OBJECTIVES

1967

CHARTER

The primary function of the Anniston TSD group is to improve Anniston processes to their optimum competitive position.

Secondary functions include evaluation of new products to utilize idle facilities and the provision of special engineering services as required.

OBJECTIVES

		*Responsible	
A.	**Safety**		
1.	Maintain a major accident frequency of 0.0.	All	12/31
2.	Maintain a major accident frequency of 1.0 or less.	All	12/31
3.	Conduct monthly TSD safety meetings prepared by departmental personnel.	Fuhrmeister	12/31
4.	Winterize safety showers by replacing with Monsanto Induction heated showers as needed.	Price	9/1
5.	Upgrade interlocks on critical vessels in Niran and Aroclor.	Veazey	8/1
6.	Install vibration switch on small Niran cooling tower.	Veazey	4/1
7.	Design on above-ground NaCl unloading system.	Faulkner	3/1
8.	Study Parathion operating practices and recommend methods to minimize time spent in cubicles.	Malm	5/1
9.	Survey use of Haveg piping in Parathion department.	Malm	5/1
10.	Design and transmit design to upgrade interlocks and alarms on critical vessels in Parathion department.	Veazey	6/1
B.	**Cost Improvement and Process Improvement**		
1.	Develop Process Improvement Plan for P_2S_5 plant and revise all Process Improvement Plans one (1) year from date of issue.	Engineers	12/31
2.	Obtain $450,000 cost improvement for 1967.	All	12/31

*Estimated completion dates are for TSD design. Installation dates cannot be realistically targeted by TSD since they are controlled by Maintenance.

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B. Cost Improvement and Process Improvement (continued)	Responsible	
3. Complete design of all cost improvement projects in the Biphenyl-Santowax Area by deadlines in the Area Long Range Plans.	Taylor	12/31
4. Debottleneck the solid Aroclor System to 11.3 M lbs./yr.	MacPherson	12/31
5. Increase Aroclor 1242 storage capacity by 50,000 gallons.	MacPherson	5/1
6. Attain 90% actual HCl recovery	Taylor	12/31
7. Monitor Chlorine department mercury usage by quarterly inventories by radioactive means.	Faulkner	(quarterly)
8. Develop necessary work to attain mercury usage of 0.6 #/Ton Cl_2.	Faulkner	9/1
9. Develop program to recover mercury from soil beneath cell room floor.	Faulkner	4/1
10. Attain 24 M lbs./yr. rate at PNP.	Taylor	12/31
11. Co-ordinate development of a Parathion pilot plant program.	Malm	12/31
12. EVOP parathion condensation reaction.	Malm	7/30
13. Evaluate best approach to improving condensation yields.	Malm	12/1
14. Develop program for sulfur recovery from residue.	Malm	12/31
15. Debottleneck parathion production to 50 M lbs./yr.	Malm	
a) Ethyl parathion (program to debottlenecking).		2/28
b) Methyl parathion (program to debottlenecking).		6/31
16. Prepare 1967 objectives for new P_2S_5 plant.	Malm	6/1
17. Maintain technical effort of 55% on process improvements.	Fuhrmeister	12/31

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		Responsible	
C.	**Quality Control and Process Surveillance**		
1.	Improve operating log sheets in Aroclor Solids and Liquids to reflect improved control technology.	Dunlap	4/1
2.	Institute a revised quality reporting system to reduce the log in summarizing quality status to production departments.	Dunlap	6/1
3.	Develop and revise as necessary operating log charts for the P_2S_5 department.	Dunlap	1/15
4.	Evaluate the possibility of electronic logging of plant data.	Dunlap	12/31
5.	Review conformity of all raw materials to established specifications.	Dunlap	8/1
6.	Improve the system for retention of plant operating data.	Dunlap	10/1
7.	Conduct a factorial analysis and principal components study on Aroclor 1242 to reveal those components promoting high quality.	Dunlap	6/15
8.	Complete the projects assigned to Anniston as per the divisional Aroclor Quality Program.	MacPherson	12/31
D.	**Function**		
1.	Update all plant maps and maintain current	Price	12/1
2.	Photograph all drawings for disaster security reasons.	Price	8/1
3.	Install equipment to permit in-plant photo-drafting.	Price	9/1
4.	Update TSD Guidelines Manual	Malm	5/1
5.	Review all open jobs quarterly and re-establish priorities as necessary.	MacPherson Faulkner Taylor Malm Price	Quarterly
6.	Review program progress and plans for all areas with concerned Management, Research, and Engineering personnel at least 4 times/year.	Fuhrmeister & Engineers	Quarterly
7.	Review TSD work progress and plans with Production at least once each month.	Fuhrmeister & Engineers	12/31

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		Responsible	
E.	**Personnel Recruiting and Development**		
1.	Hire at least 50% of all qualified personnel to whom offers are made.	Fuhrmeister	12/31
2.	Hold at least one seminar on advancement routes for engineers of Monsanto and qualifications necessary for each position (obtain suitably qualified person).	Taylor	12/31
3.	Revise familiarization program guidelines for new and transferred engineers.	Faulkner	4/1
4.	Conduct bimonthly training sessions on the following selected subjects:	Malm & Taylor	12/31
	a) The function and how to use Monsanto specialists.		
	b) Cost Reduction Estimating - calculation and categories.		
	c) The function and how to use Monsanto research facilities.		
	d) Engineering planning for better efficiency.		
	e) The function and how to use Monsanto Process Engineering Departments.		
	f) Capital Cost Estimating.		
5.	Have two Monsanto specialists hold seminars in their areas of specialty.	MacPherson	12/31
6.	Continue efforts to establish a program for advanced degrees in the area of Industrial Management.	Fuhrmeister	12/31
7.	Develop personal development goals for each department member and review quarterly.	Engineers	12/31
8.	Continue to provide liaison for technical recruiting with the major technical institutions in this area.	Taylor Faulkner MacPherson	12/31
9.	Instruct draftsmen on two (2) of the following:		
	a) Structural steel design	Price	11/1
	b) Instrument drafting	Veazey	11/1
	c) Reinforced concrete design		

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9.	Instruct draftsmen on two (2) of the following: (continued)		
	d) Electrical drafting		
	e) Pump selection		
10.	Continue development of technical personnel through short courses.	Fuhrmeister	12/31

F. Pollution and Community Relations

1.	Develop a comprehensive plant pollution abatement plan.	Coley	4/1
2.	Establish liaison with governmental agencies concerned with pollution abatement.	Coley	12/31
3.	Develop a reporting system for community pollution complaints.	Coley	6/1
4.	Upgrade and expand plant effluent (air and stream) monitoring systems.	Coley	7/1
5.	Maintain liaison with Dr. Ferguson on water pollution matters.	Coley	12/31
6.	Publish a newspaper article to further community understanding of pollution abatement problems.	Coley	10/1
7.	Develop a program to reduce COD loading to the Waste Treatment facilities by 25%.	Malm Taylor	12/31
8.	Develop a program to reduce mercury content in the plant effluent.	Coley Faulkner	12/31
9.	Coordinate program to evaluate SO_2 recovery unit.	Malm	7/1
10.	Participate in local civic organizations and civic projects (Science Fair, Junior Achievement, etc.).	Fuhrmeister	12/31
11.	Install fume collection system in the Parathion Department.	Malm	12/31
12.	Install wind monitoring device to determine direction and velocity to facilitate air pollution analyses.	Coley	4/1

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		Responsible	
13.	Complete start-up and check-out of waste treatment lagoon.	Coley	2/1
14.	Complete a study to reduce solids loading in plant effluent from Waste Treatment Plant.	Coley	5/1
15.	Improve operation of front limestone pit to meet anticipated government standards.	Coley	12/31

/kd
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