J. C. Landwehr
4/9/69

DSW 551933

STLCOPCB4090349

1968 OBJECTIVES - TSD

ANNISTON PLANT

RESULTS

Responsibility and Goal	4/1	7/1	10/1	Year	
A. SAFETY					
1. Achieve Disabling Frequency of 0.0 (TSD and Laboratory)		0 Disabling		0.0	COMPLETED ATTAINED
2. Achieve Serious Injury Frequency of 0.0		1 Serious	Total 78,099 MH; TSD & Lab	12.8	
3. Achieve an All Injury Accident Frequency of 1.0		2 Minor		0.384	COMPLETED ATTAINED
4. Conduct Monthly Safety Meeting Following Accident Prevention Plan	Conducted each month as scheduled.				COMPLETED ATTAINED
5. Winterize Safety Showers by Replacing with Monsanto Induction Heated Showers as needed (Price)	4/1 Target Design packages covering all showers in need of winterizing were forwarded. Ag Division 8/15/68, Organic Division 12/20/68.		8/15 Ag.	12/20 Org.	COMPLETED ATTAINED
6. Write Procedure for Testing Electrical Switches, Circuit Breakers, Protective Relays and Control Circuits (Veazey)	Reviewed with TSD, Maintenance and S&PP to define scope. Timetable and proposed scope will be published in 1969.		9/1 Target		INCOMPLETE CARRIED to '69
7. Complete Design Group's Responsibilities for Disaster Control Plan (Price)	(Six Months After Approval of Disaster Control Plan)			12/~~69~~ 68 Package	INCOMPLETE CARRIED to '69
	Radio communication package forwarded in December, completing all except storage boxes which will be transmitted in January 1969. TSD assumed additional responsibility for installation contractor supervision and obtained April installation and training in use.				
8. Submit Final Report of Mechanical Guarding Task Force (Price)	4/1 Target Final Report issued 7/23/68.		7/23 Report		COMPLETED ATTAINED
9. Design an Above-Ground Salt (NaCl) Unloading System (Dudley)		7/1 Target Two project justifications were prepared and sent to TPM.		Both were returned for lack of justification. Job was cancelled.	OBSOLETED CANCELLED

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	4/1	7/1	10/1	Year
A. SAFETY - continued				
10. Eliminate high H_2S pressure in Thio Acid Reaction by Demonstrating Temperature controlled Alcohol Addition (Norris)		6/1 Target Demonstration successfully completed in plant during June. AFE submitted and approved for providing automatic temperature control on all three thio acid reactors. Design scheduled in 1969.		COMPLETE ATTAINED
11. Reduce Personnel Exposure to NaPNP-Acetone-bicarbonate slurry by eliminating pluggage of Pump Suction Line. Evaluate Experimental Slurry Pump (Norris)		5/1 Target Slurry pump installed in March & successfully demonstrated. Pluggage on suction side of pump virtually eliminated.		COMPLETED ATTAINED
12. Provide Design for High Priority Safety Jobs Resulting from Parathion Safety Audit (Malm)			9/1 Target Of a total of 34 safety jobs resulting from 1967 audits, engineering and design work was completed on 17. Evaluations were completed, AFE's submitted and design was pending on 9. On 8 jobs there was no activity in 1968.	INCOMPLETE CARRIED to '69
13. Provide Design Assistance (Liaison) to CED on Project to Batch Sequence Condensation Operations (Pending Approval of Project (Norris)	No action in 1968.	Project remains at Ag Div. waiting approval.		INCOMPLETE CARRIED to '69
14. a) Determine need to upgrade Interlocks and Alarms on Critical Vessels in Parathion Department (Veazey)	3/1 Target AFE out for review in December.			COMPLETED ATTAINED
b) Provide Design as Necessary to Upgrade	Design is scheduled for 4th quarter 1969.			12/1 Target INCOMPLETE CARRIED to '69
15. Provide Design to Reduce Fumes in P_2S_5 Working Areas (Hale)	Design completed and transmitted in August.			COMPLETED ATTAINED
a) Surge Tank Vent	(a) 4/1 Target			

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	4/1	7/1	10/1	Year
A. SAFETY continued b) Viscometer Wells		(b) 7/1 Target Problem alleviated by production department by blanketing viscometer well with N_2 instead of inert gas. Dropped from TSD objective.		
16. Evaluate Improved Method to Rod-out Phosphorus Dip Pipes (Hale) - (P_2S_5)		6/1 Target Dropped from TSD objectives. Production found improved method which could be installed as minor MRO job.		INCOMPLETE DROPPED
17. Design A Reliable Back-up Reactor Level Indicator (Veazey) - (P_2S_5)		Changes to existing level control made it sufficiently reliable so that the back up system was not required.	10/1 Target	INCOMPLETE DROPPED
18. Develop a Program and Time Table to Reduce Mercury Level in Cell House to 0.5 mg/10 Cubic Meters (Dudley)		6/1 Target Program and timetable were developed and included in MIP. The MIP was typed but all work was dropped due to decision to shutdown cell house. Program was initiated but not completed - necessary equipment modifications were judged to be not justified with impending shutdown of cell house.		COMPLETED ATTAINED
B. COST IMPROVEMENT AND PROCESS IMPROVEMENT				
1. Up-date All Manufacturing Improvement Plans as Needed: Issue Revisions to all Plans at Least Once/year				
a) Revise Biphenyl-Santowax plan by (Niemeyer)		5/1 No action during 1968. EDC now April, 1969 (Higher priorities interferred - No. 1 Tube Revision, Debottleneck $\emptyset_2$ Stills, & Santowax R Col.)		INCOMPLETE CARRIED to '69
b) Revise HCl Plan By (Buturla)		No action during year - decision made to complete work on Staley Grade Acid and recovery improvement before proceeding on MIP.	12/1	INCOMPLETE CARRIED to '69
c) Revise Niran Plan by (Malm)		Niran Plan was revised. It was issued in July.	5/1	COMPLETED ATTAINED
d) Revise Aroclor by (MacPherson)		Issued July 1968.	12/1	COMPLETED ATTAINED
e) Revision Chlorine Plan by (Dudley)		Plan was typed as rough draft. New procedure for preparing MIP's was published after plan was typed. It was not revised due to cell house shutdown decision and was never approved.	12/31	INCOMPLETE DROPPED

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B. Cost Improvement - continued	4/1	7/1	10/1	Year
f) Issue P_2S_5 MIP by (Hale)	No activity during 1968. Higher priority projects intervened.		8/1	INCOMPLETE CARRIED to '69
g) Revise PNP Plan by (Buturla)		6/1 Rough draft of plan was completed in October. scheduled for issue in April 1969.		INCOMPLETE CARRIED to '69 Not approved or issued by year end -
2. Complete TSD Work as Scheduled to obtain $507,400 Cost Improvement in 1968	$77,400 Target	Target $134,475	Target $167,625	$127,900 Target
	Target/Actual	Target/Actual	Target/Actual	Target/Actual / Actual for year
a) Chlorine $43,750	$18,250/$37,300	$9,875/$17,830	$7,875/$2250	$7,750/$375 / $57,755
b) Aroclor 54,900	- /$6450	18,300/$18835	27,300 / $3095	9,300 /$18220 / $47,850
c) HCl 12,000	- / -	1,000/$1200	4,000 /$1500	7,000 /$1900 / $4600
d) Biphenyl 71,250	11,500 /$24,875	11,500/$42895	10,750 /$25730	37,500 /$38,430 / $131,225
e) PNP 119,000	20,000 /$9880	42,000/$ 25220	49,500 /$20,000	7,500 / - / $55,100
f) HB-40 8,250	2,750 /$2450	2,750/$2800	1,750 /$2285	1,000 /$595 / $8130
g) Niran $198,250	$24,900 /$37780	$49,050/$38870	$66,450 /$25500	$57,850 /$48160 / $150,310
3. Determine Technical Manpower Needs to Implement Programs in Manufacturing Improvement Plans (TSD Supt)	4/1 Target First estimate issued in November 6, 1968. Priority review between Process Groups, ED&S, and PR&D completed in December, 1969. Three year manpower plan issued January 6, 1969.			COMPLETED ATTAINED
4. Achieve Year to date level of 50% of TSD Time on Process Improvement by July 1 and Maintain for Remainder of year	47.2 Cat 1 - Process Improvement, yearly average. 5.2 Cat 2 - New Products, yearly average.			Year COMPLETED ATTAINED

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5. NIRAN DEPARTMENT	4/1	7/1	10/1	Year
a) Demonstrate Parathion Recovery from Waste Water (Hale)	Not completed.	5/1 Target Unit was designed and installed. prefiltering on start-up and had not been solved by		Problems developed in year-end. INCOMPLETE CARRIED to '69
b) Complete Condensation Yield EVOP (Norris)	3/1 Target Implemented and was successful during 1st quarter. in 4th quarter when low assay finished goods problem was encountered.			Unable to duplicate INCOMPLETE CARRIED to '69
c) Demonstrate Solvent Addition to Residue-Interim Process (Hale)		6/1 Target Demonstrated for Methyl operations. Proved not feasible for Ethyl. Demonstration was halted once because of excessive fumes at jets and again because of residue plugging. Further optimization required in 1969.		COMPLETED ATTAINED
d) Evaluate Sulfur Recovery from Residue Process (Hale)		7/1 Target Process was successfully evaluated through pilot plant and lab research studies and a preliminary project scope was presented to CED. A CED project was initiated.		COMPLETED ATTAINED
e) Demonstrate Reliability of Submerged Pump For R.I. Control of Chlorination (Norris)	Six Months After Project Installation (Based on Six Month Demonstration Program) Not demonstrated. Pump was installed and will be operated in 1969.			INCOMPLETE CARRIED to '69
f) Complete Design For Automatic Blending of Methyl Parathion (Veazey)	4/1 Target Preliminary design was completed and project was found to be uneconomic. Canceled. 6/12/68.			
g) Evaluate Freon Recovery (Norris)	3/1 Target	Evaluation was completed.	Project found to be uneconomic. Canceled.	COMPLETED ATTAINED
h) Initiate Project Work as Necessary to Debottleneck Parathion Dept. to meet Sales Demands - up to 50 M lb./yr. rate - (Norris & Hale)	Projects initiated will result in some capacity increase but not to 50 M lb/yr. In 1969-70 backlog.			INCOMPLETE CARRIED to '69

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5. NIRAN - continued	4/1	7/1	10/1	Year
i) Evaluate Improved Acetone Recovery (Hale)	Not completed. No work was done in 1968. Scheduled for design in 3rd quarter, 1969		10/1 Target	INCOMPLETE CARRIED to '69
j) Evaluate Methods to Achieve Chlorination-Distillation Yield Gains Without High Nitrogen Sparging (Hale)	No evaluation made in 1968. Rescheduled for evaluation in 1969.			12/1 Target INCOMPLETE CARRIED to '69
k) Evaluate Automatic Control of Chlorination (Norris)	Pending demonstration of pump (Obj.B-5(e) Evaluation continued in 1969.		10/1 Target	INCOMPLETE CARRIED to '69
l) Provide Design Assistance (Liaison) to CED on Project to Batch Sequence Condensation Operations-Pending Approval of Project (Norris)	Project was not approved in 1968. To be redefined in 1969.			INCOMPLETE CARRIED to '69
6. CHLORINE DEPARTMENT	Completed. Quarterly inventories were conducted up until time decision was made to shut down department. Report written mid-year.			
a) Monitor Mercury Usage by quarterly Radio Active Inventories (Dudley)				COMPLETED ATTAINED
b) Develop Program to Reduce Mercury Usage to 0.75 lbs./Ton Cl_2 (Dudley)	2/1 Target Program was developed on time and was		incorporated in rough draft MIP.	COMPLETED ATTAINED
c) Assist in Demonstration of Brine Dechlorination (Dudley)	Not completed. Changes were made in 1968 but did not improve system. 4/1 Target of the requested pressure testing was		not completed. Project dropped by year-end.	All INCOMPLETE DROPPED

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	4/1	7/1	10/1	Year	
7. BIPHENYL-SANTOWAX DEPTS.					
a) Provide Plan to Debottleneck Biphenyl Stills to 71.4 M lb./Yr. Rate (Niemeyer)	4/1 Target				COMPLETED ATTAINED.
	Plan completed in October. CED took over project with W. G. Niemeyer, Manufacturing Representative. Completion in first quarter 1969.				
b) Initiate Plant Tests to Suppress Terphenyl Formation in Benzene Pyrolysis, Based on Organic Research Work (Niemeyer)		6/1 Target			COMPLETED ATTAINED
	Research report received 4/3/68 indicated terphenyl suppression will not work in plant without further research work. PR&D will do in 1970.				
Niemeyer c) Provide Assistance (Liaison) to CED as Necessary on Project to Up-grade #1 Tube	W. G. Niemeyer - Manufacturing Representative No. 1 Tube upgraded by December 1, 1968.				COMPLETED ATTAINED
Niemeyer d) Demonstrate Yield Improvement on Santowax Still via Addition of Eight Tray Column	Objective wrong! - yield cannot improve without increasing yield loss in Solid Aroclor. Objective revised and project installed in 12/68. Contribution to Solid Aroclor yield improvement April, 1969. (Three Months After Complete Installation of Facilities)				INCOMPLETE CARRIED to '69
8. AROCLOR DEPARTMENT	Project approved in 1968. Installation due in March, 1969.				INCOMPLETE CARRIED to '69
a) Evaluate Quaterphenyl Polyphenyl Effects on Solid Aroclor Yields (MacPherson)	4/1 Target				
b) Assist in Demonstrating Solid Aroclor Capacity of 10.5 M Lb./Yr. Capacity (MacPherson)	Objective wrong! New flaker could not increase production capacity when the chlorinator is the bottleneck. Debottlenecking of chlorinator to 11.0 M lb/yr project to be demonstrated in April-May, 1969. (One Month After Complete Installation of Facilities)				INCOMPLETE CARRIED to '69

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8. AROCLOR DEPARTMENT - cont.	4/1	7/1	10/1	Year
c) Assist in Demonstrating Liquid Aroclor Capacity of 53 M Lb./yr. Capacity (MacPherson)	(One Month After Complete Installation of Facilities) Demonstrated in March, 1968.			COMPLETED ATTAINED
d) Design Fixed Bed Refiner Unit sized to Handle All Aroclor 1242 Production (MacPherson)		6/1 Target CED will install Porocel Columns by September, 1969.		COMPLETED ATTAINED
e) Provide Assistance to Produce Product Strategy Quality Electrical Grade Liquid Aroclor (MacPherson)	Business Group objectives on this point in state of flux priorities not established. Planning further work in 1969.			INCOMPLETE CARRIED to '69
9. PNP DEPARTMENT				
a) Assist in Demonstration of 20 M lb./yr. Rate (Buturla)	2/1 Target	Production rate of 1.66 M #/mon. to give 20 M lb/yr. achieved in July and maintained at this rate or better until reactor let down problem recurred in December. Production in December was 1.63 M #.		COMPLETED ATTAINED
b) Co-ordinate Anniston PR&D Studies to Increase Autoclave Reaction Temperature (Increase Dept. Capacity to 24 M lb./yr.) (Buturla)			9/1 Target High temperature (175°C) reaction tested in August however no reduction in reaction time occurred. Results were clouded by reactor letdown problem.	INCOMPLETE CARRIED to '69
c) Make EVOP Study of Reducing Molar Ratio of NaOH/PNCB (Buturla)	No EVOP studies were made in 1968.	6/1 Target	Tentative amendment for test issued for approval in December.	INCOMPLETE CARRIED to '69

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	4/1	7/1	10/1	Year	
10. HCl DEPARTMENT					
a) Demonstrate Reduction of Unaccounted HCl Losses to 10% of Total HCl Available (Buturla)	No reduction demonstrated in 1968. Off-gas liquid catch pot and coalescer project plus recycle capability demonstration scheduled for June, 1969.			Year	INCOMPLETE CARRIED to '69
b) Assist in Demonstration of Filter Pump Project (Reduce Process & Mech. D.T. by 10 Hrs./Mo.) (Buturla)	Pump installed in July and successfully demonstrated.		One Month After Completion of Project Installation		COMPLETED ATTAINED
Buturla c) 1. Submit A.F.E. for Project to Produce Staley Grade Acid	Project for 3/1 Target	catch tank and coalescing unit approved in November.			INCOMPLETE CARRIED to '69
Buturla 2. Complete Project Design		(Three months after Project Approval)	Project design in progress at year-end and installation targetted by June, 1969.		
11. P_2S_5 DEPARTMENT					
a) Initiate Project Work as Necessary to Debottleneck to Meet 1968 Parathion Demands (Hale)	Department net Parathion demands.		No project work initiated.		INCOMPLETE CARRIED to '69
C. QUALITY CONTROL & PROCESS SURVEILLANCE					
1. Propose Revised Operating Control Charts for PNP	Deferred to 1969 and made a #1 priority objective for P&QA group.			12/31 Target	INCOMPLETE CARRIED to '69
2. Apply Statistical Control to Solid Aroclor Chlorination (Dunlap)	Concluded.	Correlation of operating data developed a math model for yield indicating an immediate savings of $35,000 and a potential of $150,000 from modified process control. A confirming plant trial showed a 5% increase in yield worth $50,000/year.		7/1 Target	COMPLETED ATTAINED

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(continued) C. QUALITY CONTROL & PROCESS SURVEILLANCE	4/1	7/1	10/1	Year
3. Implement Findings of the 1967 Raw Material Conformity Review (Dunlap)		7/1 Target Incorporated in new P&QA function guidelines.		INCOMPLETE CARRIED to '69
4. Study Relationship of PNP and Distilled Intermediate Quality To Parathion Color (Dunlap)	Concluded. 1 - 4/1	Continuing - Two Progress Reports		2 - 11/1 COMPLETED ATTAINED Findings reported on Job 370-829 Rept. #1 - No color deviations in 1968 surveillance is continuing as routine control.
5. Revise and Update Parathion Dept. Operating Control Charts (Dunlap)	Dropped as objective when study of the critical control variables in intermediate stills were not controllable with present instrumentation.		10/1 Target	Parathion operating variables proved that OBSOLETED CANCELLED
6. Design and Monitor A Correlation Study Covering P_2S_5 Parathion Intermediate and Finished Product (Dunlap)	Concluded. 4/1 Target Dominant controlling variable was found to be pattern of steam input to stills. Solution of problem through automatic controls was estimated to be worth $79,000/yr Work was reported on Job 370-827 Report #1.			COMPLETED ATTAINED
7. Hold Statistics Seminar On Experimental Design and Analysis (Dunlap)	3/1 Target Modified objective: Concluded	Provide training in use of new Olivette computer for specific objectives.		OBSOLETED CANCELLED
8. Determine Correlation Between Assay of Ethyl PCT And Niran Condensation Yields (Norris) (Dunlap)	Concluded: 2/1 Target	A joint objective with O. J. Norris, was completed with PR&D help and reported on Job 370-600 Rept. #5, showing a strong correlation with 10% increase in yield possible.		COMPLETED ATTAINED
D. FUNCTION 1. Update Plant Maps Twice A Year (Goodwin & Brewer)	Updated in May 1968. Plant to be re-mapped by photogrammetric methods in first quarter 1969 so second update cancelled.			INCOMPLETE CARRIED to '69
2. Photograph All Drawings For Disaster Security Reason (Goodwin)		7/1 Target Review of present procedures indicates most critical drawings already photographed.		OBSOLETED CANCELLED
3. Submit Project to Install Equipment To Permit In-Plant Photodrafting (Goodwin	2/1 Target Project submitted in January 1968 but not approved.			COMPLETED ATTAINED CED services being utilized.

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D. FUNCTION - contd.

	4/1	7/1	10/1	Year
4. Provide Check List For Transmittal of Design Information From Process Group to Design Group (Price, Veazey, Goodwin)	No progress in 1968 -	7/1 Target scheduled for 1969		INCOMPLETE CARRIED to '69
5. Upgrade Drawing File System (Price)	Completed.			11/1 Target COMPLETED ATTAINED
6. Review All Open Jobs Quarterly and Re-establish Priorities as Necessary ~~(Mechanical Engineering)~~ (Engineering Supervisors)	1) Drafting schedule established and revised bi-monthly 2) E&I schedule established and revised quarterly 3) Mechanical design schedule established and revised quarterly 4) MIP jobs summary for 1969 issued Nov. 6, 1968. V. R. Haupt responsible for revised issue 1st quarter 1969.			COMPLETED ATTAINED
7. Review Program Progress And Plans For All Areas With Concerned Management, Research and Engineering Personnel At Least 4 Times per Year (TSD Supt. and Engineers	1) Bi-monthly reviews of "Monthly Safety Reports" were held between TSD Supt. & EDS Supervisor. Revisions reported to Safety Supervisor in June, August, & October 1968. Practice to be continued in 1969. 2) "Open Project Status Report" reviewed bi-monthly between TSD Supt. & EDS Supervisor and status reviewed with Plant Manager. To be continued 1969.			COMPLETED ATTAINED
8. Update and Relocate TSD Library (TSD Superintendent)	Provided for in 1969 Office Space evaluation.			12/1 Target INCOMPLETE CARRIED to '69
9. Conduct A Monthly Engineering Planning Meeting (TSD Supt. & Engineers)	Engineering Planning Meetings discontinued in March 1968 due to ineffectiveness. Replaced with Drafting, E&I design, and Mechanical design scheduling and bi-monthly reviews of Open Projects Status Report.			OBSOLETED CANCELLED
E. PERSONNEL RECRUITING AND DEVELOPMENT 1. Hire At Least 50% Of All Qualified Personnel To Whom Offers Are Made (TSD Superintendent)	Hired 4 of 8 (50%) technical persons to whom offers were made. (D. A. Self, E. E. Bowles, J. T. Bell, T. W. Lawrence) End-of-summer seminar and barbeque - recognition of new employees, summer and co-op employees; Ray Stratmeyer, George Crook and Bill Papageorge. Total attendance 30.			COMPLETED ATTAINED

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E. PERSONNEL RECRUITING AND DEVELOPMENT - continued

	4/1	7/1	10/1	Year
2. Conduct Training Sessions On The Following Subjects: (Malm) a) Cost Reduction Estimating - Calculation & Categories	Completed.			COMPLETED ATTAINED
b) The Function And How To Use Monsanto Research Facilities	Completed.			COMPLETED ATTAINED
c) Advancement Routes For Engineers Of Monsanto and Qualifications Necessary For Each Position	Completed.	D. B. Hosmer in April, 1968. J. F. Fair in October, 1968.		COMPLETED ATTAINED
d) Capital Cost Estimating	Completed.			COMPLETED ATTAINED
3. Develop Personal Development Goals For Each Department Member And Review Quarterly (Engineers)	Appraisal reviews held in 1968 with 21 out of 30 TSD/Lab personnel with personal development goals set. Individual Training and Development Record completed in June 1968 for all TSD/Lab personnel. Nine (9) individuals promoted in 1968: 2 into TSD from other Anniston Depts., 2 to next salary level within same responsibility.			INCOMPLETE CARRIED TO '69
4. Continue To Provide Liaison For Technical Recruiting With The Higher Technical Institutions In This Area (TSD Superintendent)	Invited Prof. Wingate, Head of Chem. Engr. Dept., Auburn, Prof. Z. L. Taylor of Chem. Engr. faculty and Messrs. Cain and Sanford, Auburn Engineering Extension Service, and Dean Tucker, Dean Auburn School of Business discussed MBA programs with 20 professional people in Sept., 1968.			COMPLETED ATTAINED
5. Continue Development of Technical Personnel Through Short Courses Both Out Of And In Plant (TSD Supt.	Process Dynamics and Control Course taught from Auburn via VERB - 13 enrolled in course; other courses with attendance: Management Process - 5; Pump Seminar - 10; KTA - 8; Technical Writting - 1; Effective Oral Presentations - 11; Corporate Corrosion Seminar & WGK Mat'ls Engr. Orientation - 1; Continuing Education Trends - 15; Single Phase Heat Transfer - 15; Effective Communication for Engineers and Scientists, U. of Mich. - 21; Motivation seminar (Scott Meyers) - 21; Operations Research, Ga. Tech. - 1.			COMPLETED ATTAINED

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E. PERSONNEL RECRUITING AND DEVELOPMENT - continued

	4/1	7/1	10/1	Year	
7. Instruct Draftsmen In Two Of The Following: (Price and Veazey) a) Industrial Power Distribution		6/1 Complete one Course		12/1 Complete 2nd Course	INCOMPLETE DROPPED
	Ron Brewer completed Industrial Power Course (Electricity) and a Fluid Power course taught locally.				
b) Simple Structural Design	Ron Brewer and G. C. Goodwin successfully completed a course in Simple Structual Steel Design developed and taught by Jack Price.				COMPLETED ATTAINED
c) Pump Selection					COMPLETED ATTAINED
d) Simple Reinforced Concrete Design					INCOMPLETE CARRIED to '69
F. POLLUTION AND COMMUNITY RELATIONS					
1. Continue To Institute The Comprehensive Plant Pollution Abatement Program Developed in Feb. 1967 (Wright)	- See Attached Sheets				OBSOLETED CANCELLED
2. Establish Liaison With Governmental Agencies Concerned With Pollution Matters (Wright)	2/1 Target				COMPLETED ATTAINED
3. Establish A Monitoring System For The Air Effluents From The Plant (Wright)	3/1 Target				INCOMPLETE CARRIED to '69
4. Develop A Plan For Reporting Spills And Any Other Non-routine Operating Conditions In The Plant (Wright)	4/1 Target				COMPLETED ATTAINED

F. PERSONNEL RECRUITING AND DEVELOPMENT - continued

	4/1	7/1	10/1	Year	
5. Publish A Newspaper Article To Further Community Understanding Of Pollution Abatement Problems (Wright)			10/1 Target		COMPLETED ATTAINED
6. Obtain A Consultant To Replace Dr. Ferguson On Water-Pollution Matters (Wright)		6/1 Target			COMPLETED ATTAINED
7. Investigate Installing Permanent Monitoring Device On Choccolocco Creek (Wright)		6/1 Target			INCOMPLETE CARRIED to '69
8. Initiate Continuous Sampling And Monitoring of Solids From Waste Treatment Plant (Wright)		(One Month After Complete Installation Of Facilities)			COMPLETED ATTAINED
9. Demonstrate Projects/Jobs To Debottleneck Waste Treatment Plant by 15% (Malm)	Jobs were not successfully demonstrated - Acetone recovery and parathion recovery rescheduled to 1969.	6/1 Target			INCOMPLETE CARRIED to '69
10. Assist In Demonstration Of Fume Collection System In Parathion Department (Norris)	Project was successfully demonstrated in October. A corrosion failure of a blower forced a shutdown after one month. New blower selected and on order.	(One Month After Complete Installation Of Facilities)			INCOMPLETE CARRIED to '69
11. Develop Sulfur Recovery From Residue Process (Reduce SO_2 Loading To Air by 27%) (Hale-Bryant)	Complete. See B-5 (d)	Target 6/1			COMPLETED ATTAINED
12. Participate In Local Civic Organization And Civic Projects (TSD Supt.)	TSD Supt. assisted with organization and running of District Conference, Boys Scouts. Committeman Scout Troop 7 E. E. Bowles & C. R. McIlwain counselors for Member Anniston Chamber of Commerce. Junior Achievement/J. A. Veazey, G.W. Miller, Science Fair Judges.				COMPLETED ATTAINED
13. Develop A Method To Reduce Mercury Content In The Plant Effluent (Dudley)	Methods were developed. One project was installed (acid wash tank). One potential project was not justified		10/1 Target		COMPLETED ATTAINED

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