File

Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Anniston

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General Offices

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J. O. Bright

South Second St.

M. E. Gibbs
O. DeGarmo
J. F. Quinn
J. R. Savage - JFQ

Other Locations

D. B. Edwards - DR
J. W. Graves - Luling
W. R. Kellogg - Nitro
G. F. Knollmeyer - Seattle
J. F. White - Everett
R. F. Wiesenborn - CB
W. J. Wilson - WGK

Summary

January 1968

January Cost Improvement Savings totaled $25,000 vs. $25,600 Target.

Organic Division

Aroclor Porocel Column resistivities increased to 30 M level three days after successful recharging of column bed. Rough draft of the Aroclor MIP was reviewed by plant groups. Target date for publication is March 1968.

Biphenyl Expansion Project (C.E.A. 1892) Scope reviewed with H. C. Carder and C.E.D. Representatives. TSD will determine project justification and forward to H. C. Carder in early February.

Location of 150,000 gallon HCl Storage Tank selected and approved by Safety Review Committee. Design revisions will be completed in March.

PNP Debottlenecking Efforts continued in January. Reviewed problem areas with Maintenance and Production. TSD is monitoring reactor operations to determine cause of long reactor let down cycles.

Coordinated Plant effort to reduce mercury vapor levels in Cell House has resulted in a downward trend throughout January. All levels were at or below maximum limit at end of month. Rough draft of Chlorine MIP will be reviewed with plant groups in February. Radioactive inventory results indicate 122,000 lbs. of mercury in cells.

Waste Heat Recovery Program reviewed with H. C. Carder. Verbal approval received for an additional $15,000 to modify test facilities to prevent Therminol contamination of boiler feed water, reduce Therminol entrainment losses, and improve over-all heat recovery.

Ag Division

Plans to Pilot Plant Test Sulfur Recovery from Niran still residue have been changed as a result of Bird Machinery Company's refusal to make tests in their facilities. New

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Summary - continued

plans call for erection of temporary facilities and field testing at Anniston. Cost of installing temporary facilities estimated at $24,000. Safety Review of Sulfur Recovery Program will be held in St. Louis in mid-February with C.E.D. and Ag Division.

Preliminary design of Parathion Formulation Facilities complete. A.F.E. ($18,000 NFC) will be submitted in early February. All long delivery items have been ordered per verbal approval. Target date for beginning operations is 4/1/68.

EVOP of Niran condensation reaction resulted in $11,000 yield savings in January. Further optimization is planned for February.

Plant Improvement

Aroclor Expansion - Project (C.E.A. 1430) reviewed with C.E.D. Agreement reached all items except level indication for storage tanks and metering of utilities.

Construction started on Expansion of Salaried Parking Lot. (Warehouse Project C.E.A. 1452), Warehouse Office and Building are out for bids.

MEETINGS

The next Engineering Planning Meeting will be held February 20.

D. C. Malm
Technical Services Dept.

DCM:kd

TOWOLDMON0044551

1968 TSD COST IMPROVEMENT

YTD RESULTS VS ANNUAL TARGETS

	0	40,000	80,000	120,000	160,000	200,000	240,000
PNP							
NIRAN							

	0	20,000	40,000	60,000	80,000	100,000
AROCLOR						
BIPHENYL						
HB-40						
HCL						
CHLORINE						

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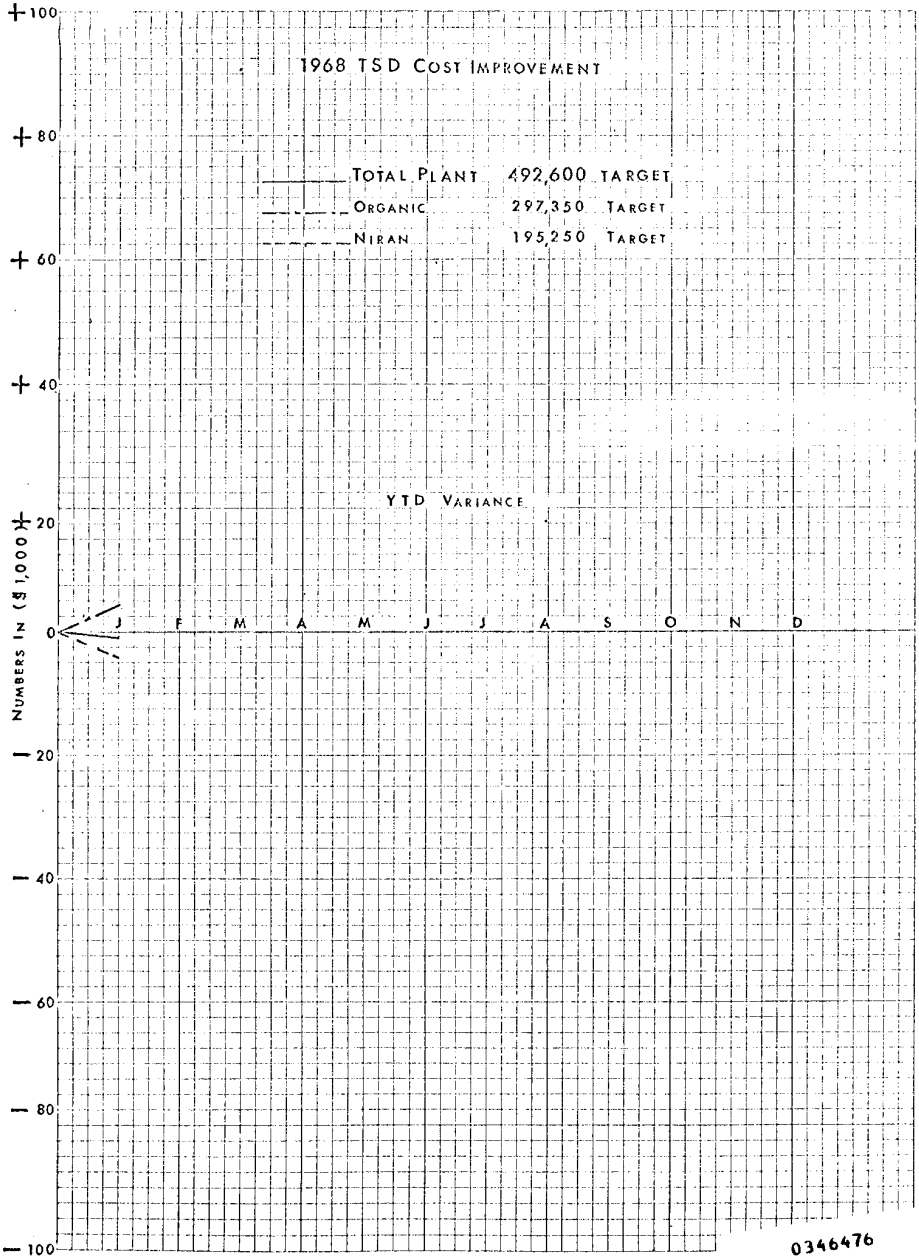
TOWOLDMON0044552



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DETAILS

AROCLOR - J. MacPherson

A. Cost Improvement

	Month	YTD	Comments
Target	-	-	No Cost Improvement Savings targeted for first quarter. Second quarter Target ($15,950) will not be met because Aroclor C.I. Projects are back-logged in construction scheduling.
Actual	-	-	

Objective 1: Evaluation of Quaterphenyl Polyphenyl Effects on Solid Aroclor Yields By 4/1/68.

Target date re-set for 8/1/68. Rescheduling has become necessary because customer testing of Santowax OMP Based 5460, which is a prerequisite to the job, has not been completed. Customer Acceptance/Research approval is expected by 3/1/69. Preparation for Santowax OMP production will require 2-3 months, and will not commence until OMP Based 5460 is approved.

Job No. 456 - Fixed Bed Refining (Quality)

The fixed bed refining unit is again on stream. Time required to change the bauxite packing and regain 30 M resistivity treatment ability was 3 days.

Job No. 778 - Aroclor Manufacturing Improvement Plan (Long Range Planning

The rough draft was reviewed and is now in the process of being re-written. A second review is scheduled for March 8, 1968 - target date for distribution is March 29, 1968.

Job No. 455 - Chlorinator Study (Quality)

Timing of this study will depend upon inventory build-up of electrical grade Aroclor. The field test as planned would tie up production facilities for approximately two weeks and would produce 8-10 tank cars of non-electrical grade Aroclor. A meeting has been scheduled for February 9, to review this test with PR&D personnel.

Job No. 736 - Quaterphenyl Effects, Solid Aroclors ($457,700/yr. Savings)

Timing of this study will depend upon (1) completion of customer testing of Santowax OMP based Aroclor 5460, (2) installation of a LI and a FI on the No. 4 still system, and (3) scheduling of an OMP production run. Target date for completion of this study is now 8/1/68.

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BIPHENYL-SANTOWAX - W. G. Niemeyer

Cost Improvement

	Month	YTD
Target	$3800	$3800
Actual (Est.)	$2680	$2680

Objective 3: Provide Assistance (Liaison) To CED as Necessary on Project to Up-grade No. 1 Tube Furnace

CED representatives were here on 1/16 and 1/17 to firm up project scope. Project scope was reviewed on 1/17 and 1/19 with H. C. Carder. TSD to forward project justification to H. C. Carder and continue to provide liaison.

Objective 4: Demonstrate Yield Improvement on Santowax Still via Addition of Eight Tray Column

A design package to add a stripping section to the Santowax flash still was received from CED on 1/15/68. Approval for this project, estimate No. 2684, was received on 1/22/68. Plant comments on the design package will be forwarded to CED.

Others: Job No. 763 - Install Sojourn Pot on B Pass on No. 1 Tubular Unit

The pot was installed during November 1967. Since its installation it has created a high noise level. A Liberty Mutual Insurance man came to measure the noise level at this new pot. However, the No. 1 furnace was not on stream on the day he arrived. He has been requested to return during February.

CHLORINE - D. W. Dudley, G. L. Moore, W. B. Dunlap

A. Cost Improvement

	Month	YTD
Target	$6,075	$6,075
Actual	$7,830	$7,830

Objective 1: Monitor Mercury Usage Quarterly By Radio Active Inventories

Results of December 1967, Radio Active inventory indicate that 121,100 lbs. of mercury are in the cells.

TOWOLDMON0044555

Objective 2: Develop Program To Reduce Mercury Usage To 0.75 lbs. Per Ton Cl_2 By 2/1/68

Program developed and published in Chlorine MIP. Plan is a coordinated TSD, Maintenance, and Production effort. Program is underway with EDC 3/69.

Objective 3: Assist In Demonstration Of Brine Dechlorination

Problem with unsteady vacuum has been located. Unsteady vacuum caused by:

Low steam motive force. New jet nozzle on order that will operate at available steam pressure.

Lack of control of temperature in top of condensing tower. Maintenance will install a system designed to sense and control temperature in top of tower.

Job No. 1000 - MIP - (Potential Savings - $207,000)

Reviewed Chlorine MIP with Plant Groups in February.

Job No. 391 - Single Stage Decomposers - (Savings $18,100)

All graphite conversions have been made. One decomposer conversion left-to-do. Savings are being met.

Job No. 411 - Steel Bottom Cells - (Savings Undetermined)

CED's evaluation of converting to steel bottom cells indicate pretax returns on alternates range from 6-16% on total fixed and working capital based on present Chlorine and Caustic prices. Returns based on estimate of future prices are 3-6%. Conclusion of study is that capital investments in Anniston must be limited.

Job No. 802 - Brine Treatment - (Savings Undetermined)

Study underway to determine effect of high calcium content in brine. Calcium is a major component of mercury "butter" along with iron and sodium or potassium. Rate of "butter" formation and per cent recovery are being studied at present. Sodium Carbonate was added to saturators (by Production) in solid form. Calcium level has fallen from 510 ppm to 160 ppm. Hypochlorites present in brine inhibit precipitation of calcium. Hypochlorites will be reduced by successful operation of brine dechlorination.

TOWOLDMON0044556

B. Safety

Objective 18: Develop A Program And Time Table To Reduce Mercury Level In Cell House To .05 mg Hg Per Cubic Meter Of Air

Program developed and is being published in Chlorine MIP. Work is underway with installation of collection header for pump tanks and end box cover water, and floor resurfacing project scheduled for February. Mercury levels have begun to drop as a result of program. Mercury vapor analysis on 1/31/68 indicated all levels were at or below maximum levels.

Objective 9: Design An Above-ground Unloading Salt (NaCl) Unloading System By 7/1/68

A completely above ground pneumatic system was designed and the AFE was submitted 12/67. AFE was returned 1/68 and TSD is evaluating two alternates for upgrading present system.

HCl K. J. Buturla

A. Cost Improvement

	Month	YTD
Target	0	0
Actual	0	0

Objective 1: Demonstrate Reduction of Unaccounted HCl Losses to 10% of Total HCl Available

Reduction of unaccounted losses has been accomplished by the installation of the Viton-coated butterfly valve. A Progress Report was issued December 27, 1967, indicating the results of the HCl absorption studies. Based on these results, a project has been submitted to provide means to keep the absorber fully loaded when unit is operating at a reduced rate. This will increase absorber efficiency and reduce gas load to the tails tower.

Objective 2: Assist In Demonstration of Filter Pump Project (Reduce D.T. by 10 Hrs./M).

Project package has been transmitted and pump is scheduled to be installed in February. Upon installation, D.T. will be recorded on this item.

TOWOLDMON0044557

Objective 3: Submit AFE For Project To Produce Staley Grade Acid By 3/1/68

Evaluation is in progress to determine necessary equipment and capital needed to routinely produce odor-free Muriatic Acid. Preliminary solution is a coke scrubber which should reduce organic contaminants. Project AFE targeted for March 1. Work to continue.

Job No. 497 - Muriatic Acid Storage
($18,600/yr. Savings + $60,000/yr. New Earnings)

Project Safety Review was held on 1/16/68. Proposed new site for tank location twelve feet south of original location to provide sufficient clearance between tank and Chlorine tank cars. Proposed new site approved by Safety Review Committee. Design revisions will be completed by 4/1/68.

B. Safety

Job No. 813 - Submit AFE To Provide Automatic Cut-off System For Loading HCl Tank Cars. Target - 4/1

Preliminary design complete. Work to continue in February.

PNP K. J. Buturla

A. Cost Improvement

	Month	YTD	Comments
Target	$6600	$6600	Inability to reach target was caused by problems in demonstrating 20 M/yr. rate.
Actual	$2100	$2100	

Objective 1: Assist In Demonstration of 20 M Lb./Yr. Rate By 2/1/68
($94,000/yr. Savings)

Savings not achieved in January because of problems with the reactor letdown time and the acidifier cool-down time. Both steps are being studied to determine what would be necessary to eliminate these problems. Work will continue in February.

NIRAN D C. Malm, O. J. Norris, K. G. Hale

A. Cost Improvement

	Month	YTD
Target	$8,220	$8,220
Actual	$11,950	$11,950

TOWOLDMON0044558

NIRAN - continued

Objective 1: Demonstrate Parathion Recovery From Waste Water By 5/1/68 ($70,000/yr. Savings + A 10-15% Reduction In C.O.D. Loading)

Design complete. Installation scheduled for March 1968.

Objective 2: Complete Condensation Yield EVOP By 3/1/68 ($39,000/yr. Savings + 3% Reduction in C.O.D. Loading)

EVOP of Niran condensation reaction resulted in $11,300 yield savings in January. Mole ratio of PNP/Intermediate was lowered from 1.085/1 (December, 1967) to 1.070/1 in January. January savings were $0.406/cwt. in December. Tentative plans are to further reduce mole ratio to 1.060/1 in February to determine if optimum mole ratio has been reached.

Objective 3: Demonstrate Solvent Addition To Residue (Interim) Process By 6/1/68 ($59,000/yr. Yield Savings)

Separate tests were made in one chlorinator-still system on the effect of high Nitrogen Sparging and increased chlorination level during January. Preliminary results indicate that a 25 lb. increase in Chlorine charge at normal sparging will improve yield by 85 lb./batch or $3,000/Mo. savings. High Nitrogen Sparging improves yield by 150 lb./batch, but the value of this increase is off-set by the cost of extra Nitrogen and Xylene.

Increased chlorination level tests will continue in February. High Nitrogen Sparge Testing will be stopped.

Objective 4: Evaluate Sulfur Recovery From Residue Process By 7/1/68 ($400,000/yr. Savings + A 31% Reduction In SO_2 Load To Air)

Plans to Pilot Plant Test Sulfur Recovery from Niran Still Residue have been changed as a result of Bird Machinery Company's refusal to make tests in their facilities. New plans call for erection of temporary facilities and field testing at Anniston. Cost of installing temporary facilities is estimated at $24,000. A Safety Review of the Sulfur Recovery Program will be held in St. Louis in mid-February with C.E.D. and Ag Division Representatives.

Objective 5: Demonstrate Reliability of Submerged Pump For R.I. Control of Chlorination Six Months After Project Installation ($3,000/yr. Savings + Improved Safety)

Project installation scheduled for early February. Testing will start as soon as installation is complete.

New Developments

1. Evaluate Formulation of Parathion Blends At Anniston

Preliminary design complete. A.F.E. ($18,000 NFC) will be submitted in early February. All long delivery items have been ordered per verbal approval. Target date for beginning operations is 4/1/68.

TOWOLDMON0044559

Formulation of 1968 requirements (170,000 gallons) at Anniston will result in $17,700 New Earnings (B.T.) in 1968.

B. Safety

Objective 12: Provide Design On High Priority Safety Jobs Resulting From S & P P Parathion Safety Audit By 9/1/68

Participated with Production and Maintenance in preparing a work plan for correcting problem areas noted in W. B. Howard's Report on 1967 Parathion Safety Survey. Action will be completed on eight (8) of the fourteen (14) TSD responsible items by 9/1/68. The first Status Report will be issued by 3/15/68.

C. Quality

Objective 8: Determine Correlation Between Assay of Ethyl PCT And Niran Condensation Yields by 2/1/68

Completed in December. Lab tests indicate a 10% condensation reaction yield gain potential, plus improved Niran quality via use of high assay (99% by GLC) Ethyl PCT. Future work plans call for evaluation of techniques to upgrade PCT Assay.

D. Pollution

Objective 10: Assist In Demonstration Of Fume Collection System In Parathion Department One Month After Complete Installation

Design Package on Fume Removal System transmitted to Planning and Scheduling on 1/8/68. The Design Package for dismantling of the old incinerator equipment is scheduled to be transmitted on 2/7/68.

P_2S_5 D. C. Malm, K. G. Hale

A. Cost Improvement

	Month	YTD
Target	0	0
Actual	0	0

B. Safety

Objective 15: Provide Design To Reduce Fumes In P_2S_5 Working Areas By 4/1/68 At Surge Tank Vent

Preliminary design complete. Evaluating the need for forced ventilation of the Pent House. A.F.E. will be submitted by 3/1/68.

TOWOLDMON0044560

LIAISON AND PLANT IMPROVEMENT M. R. McIlwain, J. W. McGee (W. F. Taffee)

CEA 1430 - Aroclor Expansion

Finished model of tank farm reviewed in St. Louis by V. R. Haupt and E. E. Smith. Agreement reached on all items except level indicators for storage tanks (tape vs. bubbler with local or remote readout) and metering of utilities.

Field work delayed by leaks in 24 inch acid sewer. Leaks discovered when Gunniting 36 inch storm sewer. Uncovering 24 inch sewer indicates it to be leaking at nearly every joint probably for it's entire length. Review and examination by Gene Stepp and Mike Weishaar (CED) resulted in recommendation to relocate away from tank farm/Warehouse area, since this approach would be little, if any, more expensive than repairing the existing 24 inch sewer. Cost estimates are expected in early February covering replacement of entire length of sewer. Plans now being formulated to by-pass section which is stalling work on 36 inch storm sewer. Action in this area expected by 2/1/68.

Gunniting operation on 36 inch sewer revealed major void at northeast corner of Building 27. Void has been successfully filled with sand. More voids are expected as work progresses under Building 27 and toward salt pad.

In a very commendable demonstration of local contractor/CED cooperation, new electric power poles were set and all electrical feeders (2300 and 440 volt) in the Warehouse area and along Duncan Street were transferred to new poles without interruption.

HB-40 and Santowax are now served from Aroclor motor control center freeing the "old" transformer east of Aroclor Office. This change accomplished without additional production loss by coordinating with mechanical downtime, Sub-station feeding Administrative area transferred to new feeder on Saturday without significant interruption of office services.

Installation of sewer lift station, manholes, gravity and force mains under way.

First sketch of preliminary drumming/flaking/packaging area layout received 1/24/68. This area is a critical one and will require careful study and close cooperation between Plant and CED groups to achieve the most desirable balance between capital and operating requirements. Present scope provides for little change in present manually oriented technology.

CEA 1452 - Warehouse

Construction started on expansion of salaried parking lot to east of existing lot.

Warehouse office and Warehouse building out for bids. Alternate of brick facing for east wall (300 feet long) facing public highway results in about $15,000 net increase in cost. Problem reviewed with project sponsor and Director of Manufacturing. W. A. Lang of Office of Corporate Identity will work with CED to establish an acceptable but less costly approach to improved appearance. CED Architectural Section to prepare architectural renderings of proposals for Division review.

TOWOLDMON0044561

Rail spur tie in and routing finalized with L&N. Monsanto, L&N or Calhoun County own all property to be crossed. Southern RR notified to take necessary steps to reach agreement with L&N on use of portion of L&N track to allow Southern to switch on our new spur. Permission granted by Calhoun County Commissioner to cross Tenth Street right of way with track. L&N will negotiate with Alabama Power Company to move 44 KV poles as necessary.

Latest agreed layout of Warehouse and tank farm leaves room for second rail spur at future time and second Warehouse area north of Sixth Street.

Hourly parking lot relocation under study with recommendation targeted for mid-February. CEA 1430/1452 will provide replacement for spaces destroyed by new rail spur. In addition, a Division Project will be submitted covering additional spaces required because of plant growth - our present lot is inadequate today.

Building 28

Dispensary, two Production Superintendents and Safety Engineer offices occupied in early January. Heating/cooling system installation remains. Expected to be installed in February.

Study started of revisions to Maintenance Office area for more efficient utilization and working condition improvement.

Fire Break

Construction underway.

Property Survey

Bench marks at 5th and 6th Street intersection with Parkwin and Duncan Streets will be installed as part of CEA 1430. Other major bench marks in plant will be installed on approved Plant Project. Design package forwarded. To be done on contract.

Dikes

Design work on Benzene storage tank dikes being held pending decision on future of existing 50 M gallon storage tank and site of proposed 300 M gallon storage tank on CEA 1892.

Alcohol and Xylene tank estimates completed, project rough draft prepared and forwarded to Ag Division Production Superintendent.

Steam Meters

Jim Benson has started survey to determine size, number, location and proposed approach to steam metering on departmental basis.

Loading/Unloading Docks

Study underway (C. R. McIlwain) to set up schedule for completing estimates, projects, and design packages necessary to comply with recommendations of Loading Dock Task Force. Schedule to be presented at February Safety Board.

TOWOLDMON0044562

WASTE HEAT RECOVERY J. F. Benson, C. E. Woodward, (W. F. Taffee)

Waste Heat Recovery Program Status and Plans reviewed with H. C. Carder. Verbal approval received for an additional $15,000 to modify test facilities to prevent Therminol contamination of Boiler Feed Water, reduce Therminol entrainment losses, and improve over-all heat recovery. Revised plan calls for an eight step Program over the next six months to test the modified facilities.

Improved Gas Phase sampling equipment and techniques were re-tested during January and proved satisfactory in estimating Therminol stack losses. Test data re-confirmed new 6" knock-out pad has greatly reduced stack losses. Installation of second Demister, relocation of Gas fan Motor, and correction of fan vibration problems scheduled for early February.

GENERAL ITEMS

A. Cost Improvement

Objective 2: Complete TSD Work As Scheduled To Obtain $492,600 Cost Improvement in 1968

January Target = $25,600 Organic Division = $17,400 Target

Actual = $25,000 = $13,050 Actual

Objective 3: Determine Technical Manpower Needs To Implement Programs in Manufacturing Improvement Plans by 4/1/68

Phase one of this program has been completed. A study TSD Manpower needs over the three year period 1968-1970 was made by each Engineer for his area of responsibility. Phase two will consist of developing a coordinated Long Range Manpower Utilization Plan based on job justification and available manpower. Phase Three will consist of Determining Short and Long Range Technical Manpower Needs To Implement MIP Programs. Results of this study will be used to; one, plan effective use of manpower, and two, justify additional manpower at Anniston.

Objective 4: Achieve YTD Level of 50% of TSD Time On Process Improvement by 7/1/68, And Maintain For Remainder of Year

January Level = 35.5%

B. Safety

Objectives 1, 2, & 3: Achieve Disabling Frequency Of 0.0; Serious Injury Frequency of 0.0; All Injury Frequency of 1.0

1 Minor injury in January. No disabling or serious injuries. (1.6 All Injury Frequency).

TOWOLDMON0044563

B. Safety

Objective 4: Conduct Monthly Safety Meeting Following Accident Prevention Plan

January meeting was conducted by G. C. Goodwin. The subject was "Use Of Scott Air Paks."

Objective 5: Submit A.F.E. For Project To Winterize Safety Showers By 4/1/68 (Price)

Three project A.F.E's submitted on 1/29/68 to install 25 induction heated showers in plant. (Total costs = $25,500 Plant Improvement Capital, $4,800 Dismantling Expense).

Objective 8: Submit Final Report Of Mechanical Guarding Task Force By 4/1/68 (Price)

Work continued in January. Final Report will be submitted by 4/1/68.

Others

AFE 2468 - Install Safety Devices on HCl Elevator (Price)
(Plant Improvement Capital $6,300 - Expense $2,200)

Tubular conveyor ordered 1/29/68. Delivery expected by mid-May, 1968.

AFE 2761 - Install Handrail On Niran Control Room Roof (Price)

A.F.E. submitted for approval on 1/23/68.

AFE 2756 - Alter Electrical System And Gate On Vertical Niran Drum Elevator B (Veazey and Price)
(Plant Improvement Expense $800)

Project is a result of near-miss Accident 1-68. AFE submitted 1/19/68, and approval received on 1/22/68. Project design transmitted to Planning and Scheduling on 1/23/68.

C. Quality Control and Process Surveillance (W. B. Dunlap)

The Right First Time Index for January was 97.6 with 16 lots rejected out of 665; 13 out of 566 from the Organic Division. The January Quality Score was 95.5, up 6.5 from December. The new Quality Divergence Report was begun weekly, with a monthly Divergence Summary incorporated into the Quality Control Summary.

TOWOLDMON0044564

Departmental and in-process chart surveillance of P_2S_5 showed excellent correlation with deficient cooling in the Holoflite chiller. This will be used for improved process control.

Job No. 794 - Aroclor 5460

Initial attempts to duplicate United Resins "Adhesiveness Test" have revealed inability to obtain complete solution of all resins by the customer's specified test procedure. The lab has gone back to the customer through Sales for clarification.

D. Function

Objective 3: Submit Project A.F.E. To Install Equipment To Permit In-Plant Photodrafting By 2/1/68 (Goodwin)

A.F.E. forwarded for approval in January.

Objective 9: Conduct A Monthly Engineering Planning Meeting

January meeting was held on 1/16. February meeting scheduled for 2/20.

E. Personnel Recruiting And Development

Objective 5: Continue Development Of Technical Personnel Through Short Courses Both In And Out Of Plant

Six Engineers attended a one day I.E.I. Seminar on Technical Writing on 1/12 in Birmingham, Alabama. (J. C. Price, C. R. McIlwain, O. J. Norris, D. W. Dudley, E. G. Wright, K. J. Buturla).

F. Pollution And Community Relations

Objective 3: Establish A Monitoring System For The Air Effluents From The Plant By 3/1/68 (Wright)

Visited WGK Plant on 1/24 and 1/25. Reviewed their Air Sampling Program and equipment. Received correlation data on SO_2 levels. Discussed Air Monitoring Systems with P. B. Hodges, Organic Division Manager of Environmental Engineering.

Objective 4: Develop A Plan For Reporting Spills And Any Other Non-Routine Operating Conditions In The Plant By 4/1/68 (Wright)

Developed two new procedures for reporting plant spills and Air Emissions. Procedures will be included in Anniston Plant Operation Manual as soon as Plant Review has been completed.

TOWOLDMON0044565

F. Pollution and Community Relations - continued

Others

Job No. 707 - Install Trebler Sampler At Parshall Flume (Wright)

Equipment has been ordered.

Job No. 808 - Install Solids Removal Equipment At Waste Treatment Plant (Wright)

Inspected Surplus Eimco Filter Unit at Monsanto Pensacola Plant for possible use at Anniston. Will complete evaluation of this equipment by 3/1/68. Target date for installation of a Solids Removal System is 6/1/68.

General

0 Water Pollution complaints. 2 Air Emissions complaints received in January. One Plant Spill reported involving smallamount of NaPNP from the Niran Department entering Snow Creek. No complaints were received on the spill.

MECHANICAL & ELECTRICAL INSTRUMENT DESIGN J. C. Price, J. A. Veazey

AFE 2683 - Replace Steam Line From Building 28 To 28-A

Design Package was transmitted to Maintenance 1-23-68.

AFE 2394 - Install Concrete Pad For Storage Of Freon And Glycol Containers (Estimated Capital $2000)

Revised AFE to include Glycol Storage. AFE approved 1/19/68. Transmitted Design Package to Maintenance on 1-22-68.

AFE 2393 - Install Drainage Pad At KOH Loading Dock (Plant Improvement Capital $3600)

Revised AFE to allow overtime installation of pad and forwarded for approval on 1-18-68.

Design, Review, Liaison, Estimating, and Procurement Assistance was provided in the following areas:

Aroclor

In Line Electrical Measurements, Bagging & Flaking Chlorine Unloading Docks.

HCl

150,000 Gallon Storage Tank.

TOWOLDMON0044566

Mechanical & Electrical Instrument Design - continued

Niran

Fume Collection, Parathion Recovery, Refractometer, Niran Formulation, Sulfur Recovery, Safety Audit.

P_2S_5

Safety Audit, Fume Removal System.

Chlorine

Rectifiers, NaCl Unloading.

Miscellaneous

Plant Disaster Control Plan, Blue Track Flag Procedure, Plant Safety Shelters, Warehouse Liaison, Mechanical Guarding Task Force.

DRAFTING G. C. Goodwin, R. L. Brewer

Jobs completed in January.

1. Permanent Bench Mark in Plant.
2. Niran Dismantling Old Incinerator.
3. Niran Drum Storage Facility.
4. Niran Safety Gate On Drum Elevator.
5. Cl_2 KOH Loading Dock Drain.
6. Aroclor Revised Drawing on Cl_2 Docks.
7. Biphenyl Revised Santowax Line.
8. Plant Liaison with CED Personnel on New Warehouse.

Scheduled for February

1. Niran Formulation.
2. Niran Revise Fume System.
3. P_2S_5 Fume Removal System.
4. Niran Sulfur Recovery.
5. Plant Rework Hourly Parking Lot.
6. Niran Dismantling of Old Incinerator.
7. Waste Heat Recovery - Revisions To System.

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PERSONNEL

1. Mr. H. C. Carder visited the plant 1/17 - 1/19 for discussions on C.E.A. 1892 (Biphenyl Expansion Project), Waste Heat Recovery status and plans, Aroclor Quality Program, and review of the C.E.D. Report on Anniston Chlorine Facilities.

2. D. W. Dudley visited the WGK Plant on 1/24 and 1/25 to inspect WGK Chlorine facilities and review operation of the Brine Dechlorination System.

3. E. G. Wright visited WGK and General Offices on 1/24 and 1/25 to discuss pollution control and reporting techniques. He met with P. B. Hodges and J. Garrett at the General Offices.

4. E. G. Wright inspected an Eimco Solids Filter Unit at Pensacola, Florida, 1/31 (Monsanto Plant) to determine if the unit would be suitable for installation at Anniston to remove solids from the Waste Treatment Plant Discharge.

5. Dr. R. P. Stevens and Mr. E. F. Anthony (C.E.D.) visited the plant on 1/16 and 1/17 to review the Proposed Scope of C.E.A. 1892 (Biphenyl Expansion project.

6. Mr. H. J. Hileman, Organic Development, visited the plant on January 10-12 to review Waste Heat Recovery.

ADDITION

Mr. J. C. Landwehr (C.E.D.) was appointed Superintendent of Technical Services at Anniston on 1/4/68. Mr. Landwehr assumed his duties on 2/5/68.

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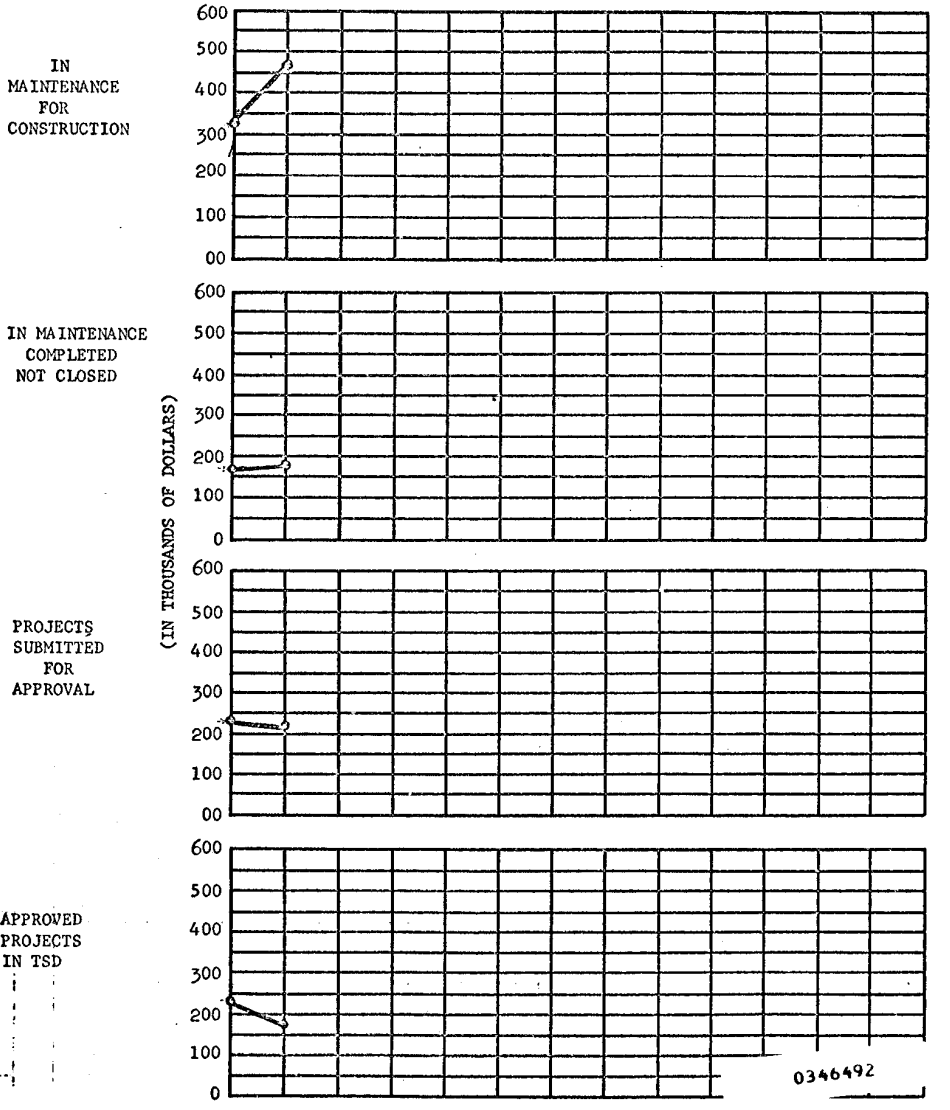
TSD PROJECT SUMMARY



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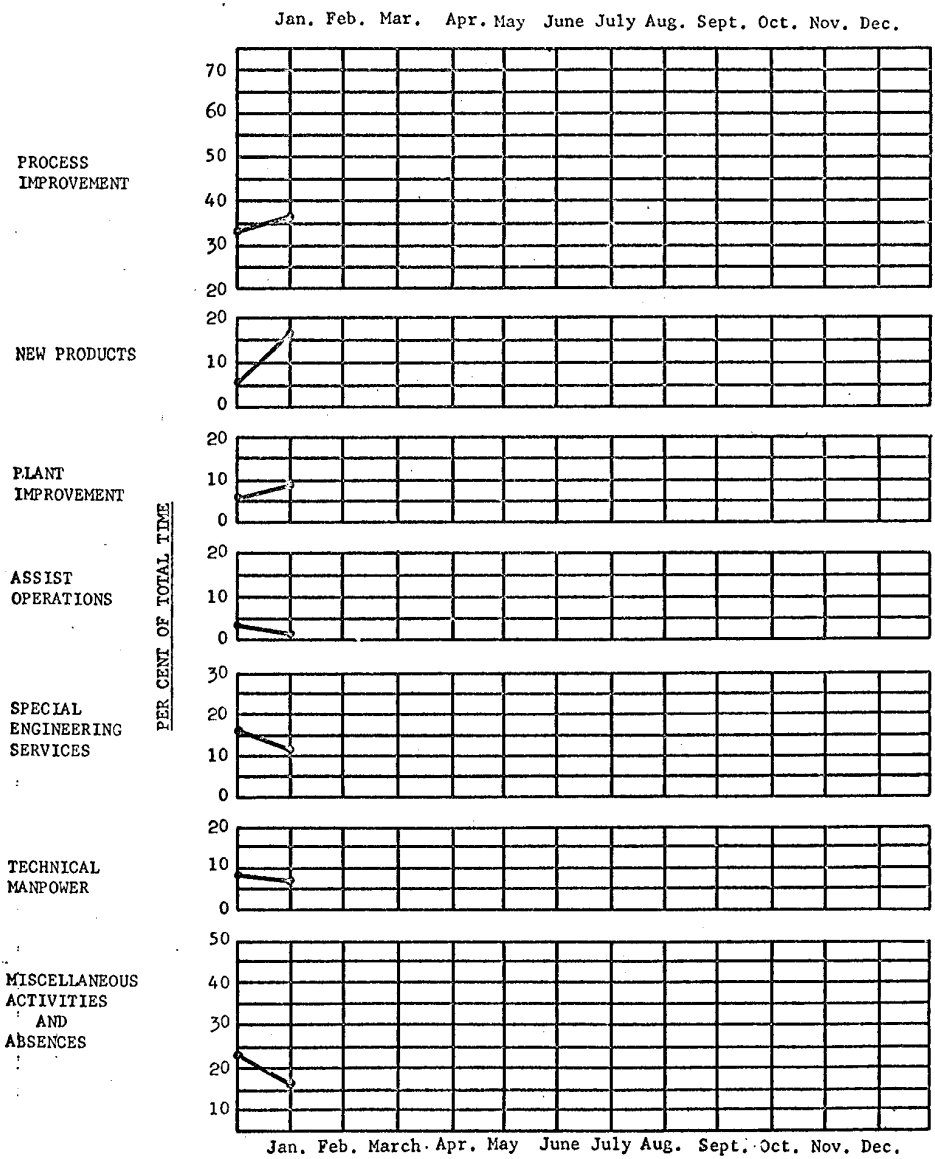
DISTRIBUTION OF TIME BY TECHNICAL SERVICE



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