

SAFETY - C. M. Markerson/J. V. Uptain

	<u>August</u>	<u>Fiscal</u> <u>Y.T.D. 1995</u>	<u>Y.T.D. 1994</u>
First Aid	3	4	2
OSHA Recordable	<u>0</u>	<u>0</u>	<u>1</u>
Total Injuries	3	4	3
Number of Restricted Workday Cases	0	0	0
Number of Lost Workday Cases	0	0	0
<u>Injuries by Department</u>			
Vinyl Operations	0	0	0
Compound Operations	1	1	2
Maintenance	2	2	1
Laboratory	0	0	0
Receiving/Warehouse	0	0	0
Office	<u>0</u>	<u>1</u>	<u>0</u>
Totals	3	4	3

Injuries by Type

Cuts and Abrasions	2	3	2
Eye Injuries	0	0	0
Burns	1	1	0
Bruises	0	0	1
Strains/Sprains	0	0	0
Stings	0	0	0
Other	<u>0</u>	<u>0</u>	<u>0</u>
Totals	3	4	3

Non-Occupational Injuries

Lost Workday Cases	0	0	1
Days Lost	0	0	17

Contractor Injuries

First Aid Cases	0	0	0
Medical Treatment Cases	0	0	0
Lost Workday Cases	0	0	0

Safety Record

Last lost time injury - 01/22/94
 Days since - 221
 Employee hours since - 279,722

On August 31, 1994, the employees of the Aberdeen Plant completed 221 days with no lost time injury.

The topic for plant safety meetings during the month was "Respiratory Protection."

SAFETY - Continued

Routine dosimetry results for the month were:

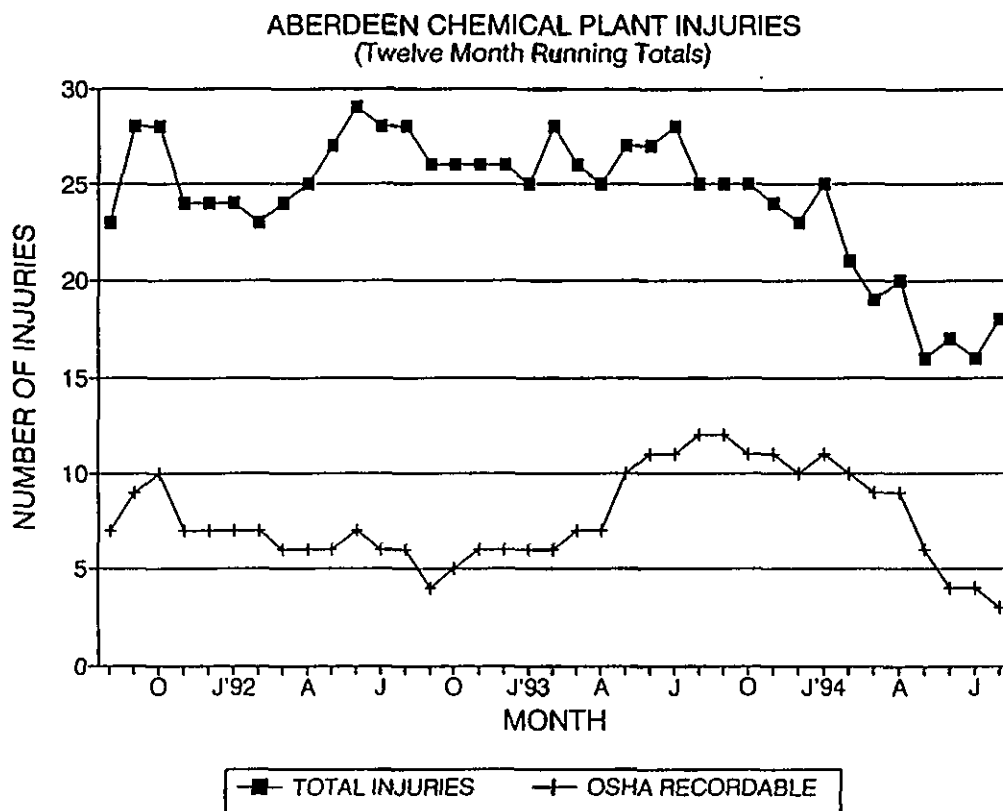
<u>Chemical</u>	< PEL		> PEL	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
VCM	63	100.0	0	0
Lead	9	90.0	1	10.0
Total Particulates	7	100.0	0	0

The single lead overexposure, the first seen in 25 months, was with benefit of respiratory protection.

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
FA	Compound	Cut of thumb of right hand.
FA	Maintenance	Cut of middle finger of right hand.
FA	Maintenance	Bun of left upper arm.

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QUALITY MANAGEMENT PROCESS - J. M. Edwards

- Most of the ISO 9002 training for all Aberdeen personnel was completed in August.
- ISO plant Tier II and Tier III documents are being copied onto the official "controlled document" paper in preparation for the pre-assessment audit September 14, 15, & 16, 1994.
- Quality Team Activity
 1. The Computer Resources Allocation and Management Team made its presentation to the Plant Manager's Natural Team. They proposed procedures for optimizing the use of existing and new personal computers in the Aberdeen Plant.
 2. All natural teams that met in August were trained in ISO 9002 - 1994 standards and how the standards complement the natural teams and the total quality management process.

COST VARIANCES - C. W. Turner**Variable Costs**

<u>Product</u>	<u>Aug., 94 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	251.6	<1054.6>	< 803.0>
Flexible Compound	< 66.1>	< 110.1>	< 176.2>
Plasticizer	< 64.5>	< 33.2>	< 97.7>
Total	121.0	<1197.9>	<1076.9>

PVC Resin

The favorable efficiency variance for PVC was due to a favorable VCM efficiency of \$224.9M. The favorable VCM efficiency was due to an accounting error associated with data entry into OASIS.

Flexible Compound and Plasticizer

The negative efficiency variance in Compound was due primarily to higher than budgeted off-grade production and unfavorable resin efficiency variance due to an accounting error associated with data entry into OASIS. The negative price variance in Compound was due to higher than budgeted resin and plasticizer prices.

The negative price efficiency in Plasticizer was attributable to higher than budgeted P.A. and alcohol prices.

COST VARIANCES - C. W. Turner - continuedMajor Price Variances

	<u>Variance - \$M</u>
- VCM	<1181.4>
- Plasticizer to Compound	< 63.5>
- Resin to Compound	< 17.9>

VINYL - J. D. Olson, W. S. CarrollSafety

The Vinyl Department had no injuries in August.

The monthly safety meetings were held on shift.

General

August production was 48.2MM pounds of which 47.0MM pounds was prime grade resin. Percent asset utilization was 92.5%. August production is a new all-time monthly record and prime production record.

	<u>Aug.</u>	<u>YTD</u>
- Production, MM Lbs.	48.2	96.1
- Reactor Stream Factor, %	96.3	96.3
- Resin Quality, % Prime	97.5	97.6
- VCM Efficiency, Lbs./Lb.	1.0052	1.0167
- Daily Rate, M Lbs./C.D.	1556.0	1550.0
- Capacity Utilization Factor, %	108.2	107.8
- Total Reactor Charges	1082.0	2152.0
- Charges/C.D.	34.9	34.7
- Rotary Dryer Stream Factor (#4-#8), %	96.7	96.6
- Fluid Bed Dryer Stream Factor, %	97.0	98.2

Reactor Downtime

	<u>Hours</u>
- Operational downtime (recovery scheduling conflicts - 137 hours, hydroblast and inspect three reactors - 89 hours).	242.0
- Mechanical downtime.	33.0

Dryer Downtime

	<u>Hours</u>
- Operational downtime (cleaning, product changes, and centrifuge plugs).	74.0
- Mechanical downtime	26.0
- Reactor limited production.	45.0

COMPOUND - E. T. Stouder**Safety**

The Compound Department had one first aid injury during the month. An operator cut his finger while cleaning the Line V intensive mixer.

General

Compound experienced a strong production month with 7.15MM pounds of finished compound produced. Production was positively impacted by long runs on line III of compound for AT&T, Times Fiber, and Donnelly. Production of BC compound in August was higher than normal due primarily to problems with plasticizer cross-contamination in AT&T compounds. Several action steps have been implemented to eliminate these problems. Orders for Lines I, III, and V continue to be very strong. Compound shipped over 8MM pounds of prime finished compound during the month. Correspondingly, inventories of "A" grade compound were reduced by almost 1.3MM pounds in August.

Plasticizer production was down slightly for the month due to VRP production and mechanical downtime. For fiscal year 1995-to-date, plasticizer production is running at a 22MM pound rate. Additional studies continue with the objective of further increasing plasticizer production.

<u>Compound Production</u>	<u>Operating Days</u>	<u>Production M (Lbs).</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Line I	31	2090	67	4072
Line III	31	3914	126	7964
Line V	31	1145	37	2243
Total		7149	230	14279
% Prime		96.4		96.6
Capacity Utilization Factor		93.3		94.3

Downtime**Hours****Line I**

- Product Changes	85
- Miscellaneous Maintenance	6
- Quality	12

Line III

- Product Changes	61
- Miscellaneous Maintenance	35
- Quality	12

Line V

- Product Changes	84
- Miscellaneous Maintenance	41
- Quality	30

COMPOUND - Continued

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	31	1756	57	3602
% Prime		84.9		84.7
Capacity Utilization Factor		79.2		81.0

ENGINEERING - J. E. Nickerson, T. R. Mackay, R. H. SneedPROJECTS IN DEVELOPMENT - GENERALEXPRESS

The plant continues to work with PED in defining the scope. We participated with GED in evaluating outside engineering companies for engineering procurement and construction of the cyclone dryer. A dryer bid package, including the Basic Engineering Package and certain items from the Outside the Battery Limits Design, was completed and given to GED.

PED and plant engineering completed the HAZOPs for all Phase I designs.

OSHA Process SafetyProcess Safety Information

Work is progressing on locating and developing equipment specifications and documentation for the New Module. New Module relief systems documentation are also started.

Procedures

Procedures for New Module and SA Module are in the review process. Procedures for the boilers are 75% complete.

HAZOPS

The Old Module HAZOP study is complete. The report is currently in review.

RVCN Reduction Efforts

The "Hot Air to Blend Tanks" project AFE is approved. RVCN levels this summer have been lower than last year. The hot air supply to Tank 407 has not caused quality problems. The remainder of the project will be installed before winter.

New Blades for Reactor 600

New larger blades for reactor 600 have been ordered. This is part of the larger batch study that is on-going. When the production schedule will allow, the new blades will be installed. R&D and the Plant can then continue the larger batch development work that has been taking place.

ENGINEERING - Continued**PROJECTS IN DEVELOPMENT - GENERAL - continued****Reactor Level Indication**

Nuclear level indication is being evaluated for use as high level or continuous level indication of the reactors. A trial is planned for reactor 600 as part of the larger batch development work.

Iron Sludge Disposal Removal

A pilot-scale sludge drying bed was tested during the month of August. Several test runs were made, variables being studied were the amount of polymer addition and degree of loading. Information gathered from these tests will be used to design a permanent sludge drying system.

P-1 Reactor Header Modifications

The AFE for this project was submitted and approved. This project will increase plasticizer production by reducing batch times with improved heat-up and cool-down times. A test run will be conducted in September to determine if vacuum breakers can be used to drain the coils rather than installing actuated valves.

Bullets for Inerts Pressure Reduction

An unallocated AFE was submitted to put the bullets back in service. This project has the potential of greatly improving reactor recovering times.

Calcium Stearate Addition Upgrade

A project to upgrade the wet calcium stearate system is listed in the 3QTR95 Capital Budget. Before designing a new wet calcium stearate bulk system, begins the feasibility of using dry calcium stearate in 5385 resin which is being explored. Currently, only 5385 type resin uses the wet calcium stearate system. Using only dry stearate offers the following advantages: material cost savings, quality improvement, and easier material storage. Testing dry calcium stearate in 5385 resin will take place in September.

VCM Vapor Lines Winterization

This project will reduce fugitive VCM emissions in VCM tank farm area. VCM condensation in lines leading to the railcar unloading compressors is suspected of causing VCM fugitive emissions. Heat tracing these lines will prevent this from happening. This project is included in the 2QTR95 budget submittal.

Activator Reliability Improvements

This project improves dryer production by reducing activator cycle times. Improved activator control will be achieved by moving the controls from the field to the DCS.

ENGINEERING - Continued**Fluid Bed Feed Conveyor Revisions**

Niro, the manufacturer of the fluid bed, has submitted a design and price for vibrating conveyor feeders. Their estimate and design are being compared to one from Flo-Dynamics Company.

RVCM Subcooler Addition

This projects will install a heat exchanger between the RVCM condensers and RVCM receivers in each module. Chilled water will be used to farther cool the VCM before it enters the receivers. Lower back pressures in the receivers will improve recovery times. This project is an alternative to venting inerts to the bullets.

Boiler Feedwater Softener Replacement

Class "A" design work was started to replace existing water softeners with new ones. This project will save an estimated \$45M annually in regenerative salt costs.

Resin Quality Control

This project helps align product quality testing with production units. This realignment of lab testing is driven by quicker feedback for operators and combining job tasks for manpower savings. This project purchases new lab equipment to run the moisture, contamination, static flow, and bulk density tests.

ENVIRONMENTAL - K. G. Akins**Water**

All wastewater discharge parameters were within permitted limits for the month of August.

Wastes

A bulk load of empty lead bags was disposed of at Waste Management's Prairie Bluff Landfill in Houston, Mississippi.

KEY ENVIRONMENTAL COMPLIANCE DATA

	<u>MONTH</u>	<u>FYTD</u>
Stormwater Outfall Excursions	0	0
Wastewater Outfall Excursions	0	0
Reportable NESHAP Excursions	0	0
Reportable non-NESHAP Air Excursions	0	0
CERCLA/SARA Reportable Incidents	0	0
Other Reportable Incidents	0	0
Citations and NOV's Received	0	0