

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

	<u>Sept.</u>	<u>Fiscal</u> <u>Y.T.D. 1995</u>	<u>Y.T.D. 1994</u>
First Aid	3	7	5
OSHA Recordable	<u>1</u>	<u>1</u>	<u>1</u>
Total Injuries	4	8	6
Number of Restricted Workday Cases	0	0	0
Number of Lost Workday Cases	0	0	0

Injuries by Department

Vinyl Operations	1	1	0
Compound Operations	1	2	3
Maintenance	2	4	1
Laboratory	0	0	1
Receiving/Warehouse	0	0	1
Office	<u>0</u>	<u>1</u>	<u>0</u>
Totals	4	8	6

Injuries by Type

Cuts and Abrasions	1	4	5
Eye Injuries	0	0	0
Burns	1	2	0
Bruises	0	0	1
Strains/Sprains	0	0	0
Stings	1	1	0
Other	<u>1</u>	<u>1</u>	<u>0</u>
Totals	4	8	6

Non-Occupational Injuries

Lost Workday Cases	0	0	1
Days Lost	0	0	32

Contractor Injuries

First Aid Cases	0	0	1
Medical Treatment Cases	0	0	0
Lost Workday Cases	0	0	0

Safety Record

Last lost time injury - 01/22/94
 Days since - 251
 Employee hours since - 315,598

On September 30, 1994, the employees of the Aberdeen Plant completed 251 days with no lost time injury.

The topic for plant safety training during the month was **Fire Training** at the State Fire Academy in Jackson, Mississippi.

SAFETY - Continued

Routine dosimetry results for the month were:

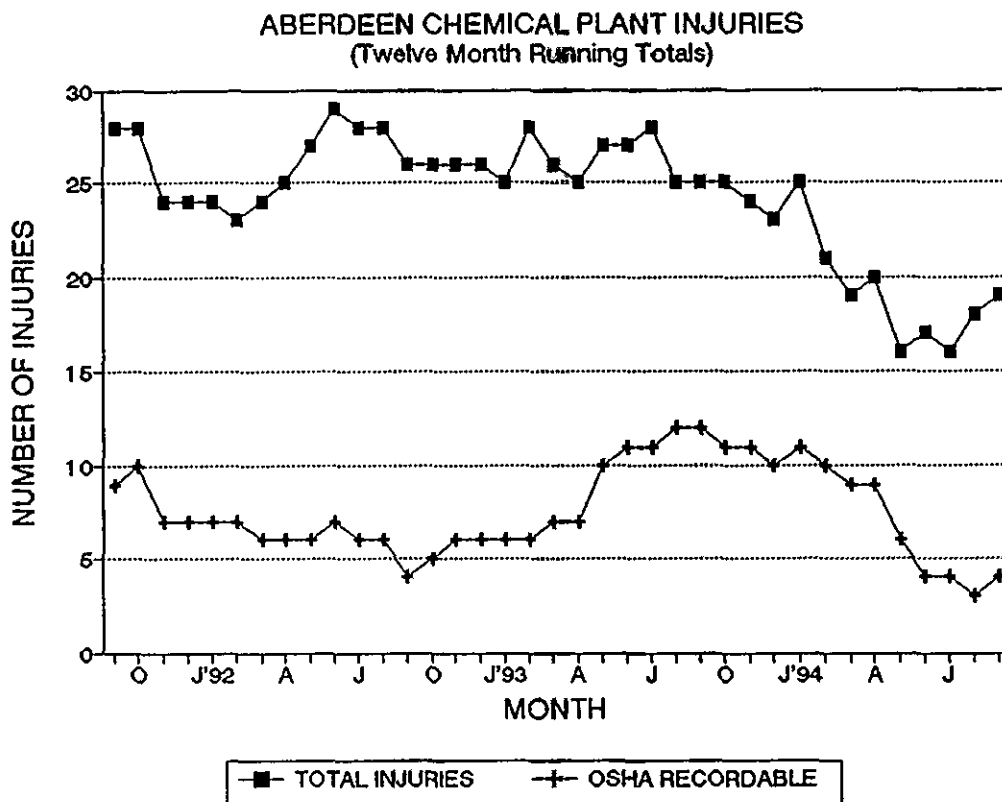
<u>Chemical</u>	< PEL		> PEL	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
VCM	64	97.0	2	3.0
Lead	4	100.0	0	0
Total Particulates	2	100.0	0	0

One of the two VCM overexposures was with benefit of respiratory protection; the other without.

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
FA	Maintenance	Small metal splinter in left thumb.
MT	Compound	Laceration of small finger of right hand, requiring stitches.
FA	Maintenance	Wasp sting of left thumb.
FA	Vinyl	Small areas of 1st degree burns to both hands.

12 October 1994



QUALITY MANAGEMENT PROCESS - J. M. Edwards

- Brenda Myers, Michael Harris, and Robin Thomas assisted Aberdeen personnel during the ISO 9002 - 1994 Pre-Assessment Audit which occurred September 14, 15, and 16, 1994. They took copious notes during all parts of the audit.
- All of the ISO 9002 training for all Aberdeen personnel was completed in preparation for the pre-assessment audit.
- All ISO related plant documents are being reviewed and revisions are being made where necessary in response to the recommendations made by the DNVI, Inc. Audit Team.

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

<u>Product</u>	<u>Sept., 94 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	< 34.2>	<1701.1>	<1735.3>
Flexible Compound	68.5	< 158.4>	< 89.9>
Plasticizer	<u>11.7</u>	<u>< 46.8></u>	<u>< 35.1></u>
Total	46.0	<1906.3>	<1806.3>

PVC Resin

The unfavorable efficiency variance for PVC was due to lower off-grade production resulting in a net unfavorable variance of \$92.1M. This unfavorable variance was partially off-set by favorable variances in VCM (\$22.3M) and Utilities (\$58.9).

Flexible Compound and Plasticizer

The negative price variance in Compound is due primarily to higher than budgeted prices for resin and plasticizer.

The negative price variance in Plasticizer is due to higher than budgeted alcohol and phthalic anhydride prices.

Major Price Variances

	<u>Variance - \$M</u>
- VCM	<1803.4>
- Plasticizer to Compound	< 48.2>
- Resin to Compound	< 78.0>

VINYL - J. D. Olson, W. S. Carroll**Safety**

The Vinyl Department had no injuries in September.

The monthly safety meetings were held on shift.

General

September production was 47.9MM pounds of which 46.8MM pounds was prime grade resin. Percent asset utilization was 95.1% 9 (see attached chart). September production is a new monthly record for a 30-day month. This surpasses the old 30-day monthly production record of 44.5MM set in June, 1994. First quarter FY95 was 143.9MM which is a new quarter production record surpassing the old record of 133.8MM set 4QFY94.

	<u>Sept.</u>	<u>YTD</u>
- Production, MM Lbs.	47.9	143.9
- Reactor Stream Factor, %	94.7	95.8
- Resin Quality, % Prime	97.7	97.6
- VCM Efficiency, Lbs./Lb.	1.0274	1.0203
- Daily Rate, M Lbs./C.D.	1595	1564
- Capacity Utilization Factor, %	110.9	108.8
- Total Reactor Charges	1064.0	3216.0
- Charges/C.D.	35.5	35.0
- Rotary Dryer Stream Factor (#4-#8), %	96.4	96.6
- Fluid Bed Dryer Stream Factor, %	98.0	98.2

Reactor Downtime**Hours**

- Operational downtime (recovery scheduling conflicts - 135 hours, hydroblast and inspect four reactors - 145 hours).	320.0
- Mechanical downtime.	59.0

Dryer Downtime**Hours**

- Operational downtime (cleaning, product changes, and centrifuge plugs).	42.0
- Mechanical downtime	43.0
- Reactor limited production.	60.0

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

The Compound Department had one OSHA recordable injury during the month. An Operator received stitches on his finger for a cut sustained while cleaning the Line V intensive cooler during a product change.

COMPOUND - ContinuedGeneral

Compound experienced a strong production month with 7.1MM pounds of finished compound produced. September production included a high volume of compound for AT&T due to increased demand by this customer. Orders for Lines I, III, and V continue to be very strong. For the second consecutive month, Aberdeen shipped in excess of 8.5MM pounds of prime finished compound. During this two-month timeframe, inventories of A-grade compound have been reduced by approximately 2.5MM pounds.

Plasticizer production totaled almost 1.9MM pounds in September. For the first fiscal quarter 1995, plasticizer production is running at a 22MM pound rate.

<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	30	1869	62	5941
Line III	30	4031	134	11995
Line V	30	1168	39	3411
Total		7068	236	21347
% Prime		96.3		96.5
Capacity Utilization Factor		93.8		94.1

DowntimeHoursLine I

- Product Changes	80
- Miscellaneous Maintenance	29
- Quality	22

Line III

- Product Changes	68
- Miscellaneous Maintenance	7
- Quality	9

Line V

- Product Changes	73
- Miscellaneous Maintenance	23
- Quality	25

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	30	1898	63	5500
% Prime		87.7		85.7
Capacity Utilization Factor		88.4		83.5

ENGINEERING - J. E. Nickerson, T. R. Mackay, R. H. Sneed

PROJECTS IN DEVELOPMENT - GENERAL

EXPRESS

We participated with GED in evaluating engineering companies for Phase I. Bid packages for major equipment will be ready in early October. The estimate for Phase I will be complete in mid-October.

OSHA Process Safety

Process Safety Information

Work is finished on locating and developing equipment specifications and documentation for the New Module. Equipment documentation for the S.A. Module should be completed next month. New Module relief systems documentation is continuing.

Procedures

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

HAZOPS

The Old Module HAZOP is scheduled to begin in October.

New Blades for Reactor 600

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

Reactor Level Indication

A nuclear level gauge for reactor 600 has been ordered. It will be evaluated for use as high level and continuous level indication for the reactors. A trial is planned for reactor 600 as part of the larger batch development work.

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 October to determine if vacuum breakers can be used to drain the coils rather than installing actuated valves.

ENGINEERING - Continued**PROJECTS IN DEVELOPMENT - GENERAL - continued****Calcium Stearate Addition Upgrade**

Replacing wet calcium stearate in 5385 with dry calcium stearate addition has the potential of saving \$160M a year in raw material costs. It will also require less operator manpower. Positive results were obtained during the first test substituting dry calcium stearate for wet calcium stearate in 5385. Testing will continue with an extended run where dry calcium stearate is used exclusively.

VCM Vapor Lines Winterization

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

RVCM Subcooler Addition

This project is another way of reducing recovery times. Reducing the temperature of the recovery VCM lowers the back pressure in the receivers. Reduced back pressure in the receivers increases recovery compressor rates. The Class "A" design has been reviewed and the project is currently being estimated.

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. The softener's capacity will also be increased to meet expected post pony EXPRESS steam requirements. Class "A" will be completed in November.

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.

V-10 Slurry Transfer System Upgrade

This project will replace the existing slurry transfer pumps currently being used in the Pond 2 resin drying system. Other piping modifications will be completed to reduce downtime associated with plugged pipes and pump maintenance. The design and estimate were presented to Conoco and verbal approval for the project has been obtained.

ENGINEERING - Continued**Boiler Feedwater Deaerator Addition**

This design is part of Phase II EXPRESS. This design upgrades deaerator equipment feeding the boilers. Upgrading this equipment will improve its stream factor. This design installs an additional deaerator and deaerator feed pump to help meet post EXPRESS steam requirements. Class "A" to be completed in November.

Economy Surplus Power Conversion

The plant is currently pursuing conversion to TVA's economy surplus power electrical power rate structure. An energy consulting firm has been retained to provide assistance. ESP has the potential to reduce electricity costs \$500M - \$900M per year at our current power consumption level.

Suspending Agent Charge Modifications

Work has begun on a test run proposal to charge suspending agent into the water charge header. Charging S.A. into water header should increase the efficiency of the SA and reduce SA charge amounts by aiding in the dispersal and dilution.

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

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

Groundwater

Groundwater tracer tests began this month to determine flow rate of the aquifer. This data will be used in the final design of the bio and pump and treat remedial systems.

Wastes

Seventy-six drums of plasticizer filter cake were shipped to Fisher Industrial Service in Glencoe, Alabama.

A bulk load of API sludge was shipped to Laidlaw in Chattanooga, Tennessee.

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