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POLYMER CORPORATION LIMITED

STEAM AND POWER PLANT

No. 1 boiler was inspected by the Boiler Inspection and Insurance Company early in January and was found to be in good condition. No. 5 boiler was taken out of service on January 25 for cleaning and inspection and to permit the installation of the turbine drives on both the induced and forced draft fans. It was put back on the line on March 8. No. 4 Boiler was taken out of service on March 4 for cleaning and inspection and for installation of the turbine drives. The installation of the oil burning equipment is well advanced and will be completed on No. 5 boiler within two weeks.

The purchase of approximately 100 acres as a terminus for the fly ash disposal system has been completed and the installation of the fly ash removal and disposal equipment is well underway.

SUSPENSOID CRACKING COIL

No. 9 cracking coil and the four Imperial Oil cracking coils operated satisfactorily throughout the quarter. No. 9 coil was taken off stream early in January for two weeks for general inspection and turnaround. Several of the Imperial Oil refinery units were shut down during February for metal inspection, resulting in low feed stock receipts. No. 9 coil was off stream for four days in the early part of March for a turnaround and will be shut down for two weeks in April for metal inspection.

FEED PREPARATION UNITS

(a) Light Ends Recovery Unit

Considerable trouble was experienced in the refrigeration section of this unit during January and February and the production of ethylene was interrupted several times. The depropanizer reboiler was fouled badly in the early part of March preventing the tower from operating at design pressure which resulted in poor fractionation. The unit was taken off stream on March 11 for two days to permit the cleaning of the reboiler, after which operations returned to normal.

Experiments are being conducted with a view to reducing the H<sub>2</sub>S content of the high line gas from the cracking coils by increasing both the concentration and the circulation rate of the D.E.A. solution in the Girbotol Unit.

This unit was shut down on March 31 for two weeks for minor alterations, cleaning and general inspection. Certain changes will be made to the absorption refrigeration section to improve performance.

Ethylene transfers to the styrene and butyl rubber plants during the quarter were as follows:

	<u>Styrene Unit</u>	<u>Butyl Rubber Unit</u>
January	408,000 lbs.	45,200 lbs.
February	458,400 lbs.	54,500 lbs.
March	948,900 lbs.	25,000 lbs.

(b) Isobutylene Extraction Unit

This unit operated satisfactorily throughout the quarter. The feed rate was reduced from 3,000 to 2,800 bbls. of hydrocarbons per day in the latter part of February due to the shortage of feed stocks which was caused by the shutdown of several of the Imperial Oil Refinery units. Difficulty was experienced with foaming in the acid reboiler and with acid carry-over from the regenerator to the caustic wash tower due to the fact that the acid has not been changed for several months. The unit was shut down on March 26 to permit the cleaning of the reboiler