

C171452

Filling Plant (large calibres)	Bouchard, Que.	Defence Industries Limited
(x) Loading Plant (Smoke mixture for 2" T.M. bombs)	Waterloo, Que.	Macdonald Chemicals Limited (subsidiary of International Flare Co. Ltd.
Pelleting Plant (Phosphorus)	Buckingham, Que.	Electric Reduction Company

STORAGES

Explosives	St. Isidore, Que.	Defence Industries Limited
Filled Ammunition	Presqu'ile, Que.	Defence Industries Limited
(x) Filled Ammunition	Bouchard, Que.	Defence Industries Limited
(x) Filled Ammunition	Vaudreuil, Que.	Defence Industries Limited

(x) Undertaken in quarter ended September 30.

During the last quarter arrangements were completed for the manufacture of dibutyl phthalate, an essential ingredient of nitrocellulose powders, by the Shawinigan Chemicals Limited.

In addition, two new storage areas for filled ammunition, one North of Ste. Therese and one west of Vaudreuil, were planned and started.

CHEMICALS:

The ammonia plants at Welland and Trail have commenced operation and will rapidly reach full production. The second hexachlorethane plant has been put into operation at Shawinigan Falls.

EXPLOSIVES:

The Winnipeg cordite plant, which has just started operations at the time of the last quarterly report, is now rapidly approaching capacity operation.

The Branch recently has been requested to study the demand for high octane aviation fuels and the means of supplying the blending agent for the production of these fuels in Canada. Very substantial quantities are required for the Empire Training Scheme, the R.C.A.F., and Atfero. The demand for these blending agents throughout North America is so great that it seems probable that Canada will have to produce the maximum quantity possible from available raw materials. This will involve the construction of special plants in conjunction with the existing oil refineries at the main points of production across Canada. Preliminary steps have been completed and it is hoped that a construction program will be underway shortly.