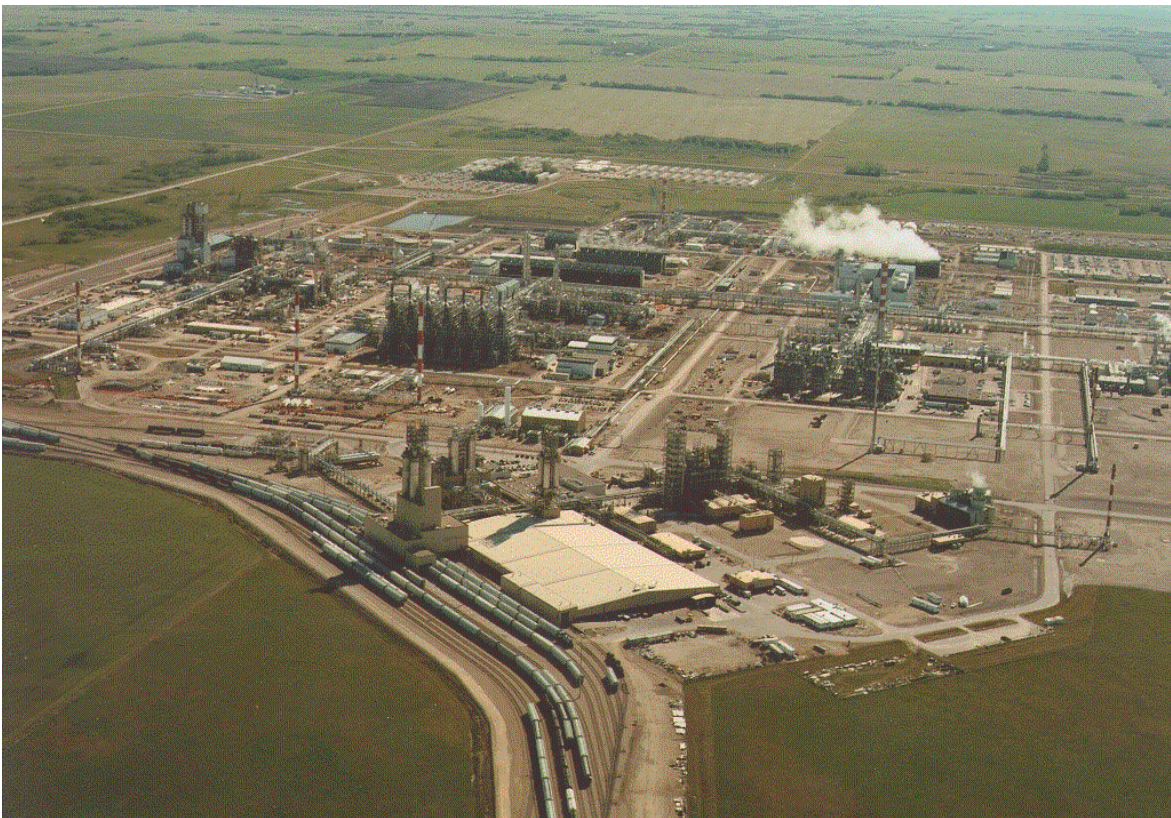


NOVA Chemicals Joffre Site

About Polyethylene 1 (PE1)

Growth of the Joffre site is coordinated to assure long-term supply and demand for the ethylene product. Along with the second ethylene facility (E2), construction began on the first polyethylene facility (PE1) in 1981. PE1 started-up in June 1984 using ethylene feedstock produced here on site to produce linear low density polyethylene. The process is based on 'Unipol' gas phase technology.

Responsible Operations -- PE1 is committed to effective and responsible management of any waste or scrap plastic that might be produced. All such material is collected and sent to a Red Deer company for the manufacture of into recycled plastic resins for products ranging from plastic pipe to milk jugs.



The landscape features two large 'light bulb' shaped gas phase reactors.



Production capacity 1.48B pounds / 670,000 metric tonnes per year (most is pelleted to meet customer requirements)



Storage warehouse covers 150,000 square feet (14,000 m² or about the size of three football fields).



Quality control labs in polyethylene facilities operate 24 hours a day, 365 days per year to test plastic resins made in the process.