

ACID GAS ENRICHMENT

USING

FLEXSORB®

by ..

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ACID GAS ENRICHMENT USING FLEXSORB®

at the

McGREGOR LAKE GAS PLANT

ABSTRACT

The McGregor Lake Gas plant is located approximately 120 km. southeast of Calgary, Alberta. The plant is operated by Coho Resources Ltd., on behalf of itself and other partners.

The plant is designed to process  $282 \times 10^3 \text{M}^3/\text{D}$  (10 MMSCFD) of sweet gas and  $760 \times 10^3 \text{M}^3/\text{D}$  (27 MMSCFD) of sour gas. The sour gas contains about 20%  $\text{CO}_2$  and 0.31%  $\text{H}_2\text{S}$ . The plant uses MDEA for  $\text{CO}_2$  and  $\text{H}_2\text{S}$  removal. The acid gas is then processed through an Exxon FLEXSORB SE PLUS system to enrich it to a suitable sulphur plant feed and produce a  $\text{CO}_2$  vent gas with less than 16 ppm.