

5. Re: Chevron Canada Ltd.,
Sulphur Level of Gasoline

Attached you will find a copy of a letter dated November 12, 1971 from Mr. T. S. Bremner addressed to the Manager regarding the above.

He notes that the sulphur in the gasolines which they are producing from their refinery is below the Canadian Government Specifications and the American Society for Testing and Materials Specifications for sulphur content in gasolines. He also notes that the sulphur content is also below that of the average levels of gasolines produced in California. He states that they are also competitive with other gasolines produced in this area.

This is for the information of Council.

RECOMMENDATION:

THAT a copy of this report item be forwarded to all those parties expressing an interest in matters of Chevron Refinery modernization and expansion, including Mr. Gordon C. Lewis, 7230 Braeside Drive.

ITEM 5
MANAGER'S REPORT NO. 75
COUNCIL MEETING Nov. 22/71



Chevron Canada Ltd.

Head Office: 355 Burrard Street, Vancouver 1, B.C.
Refinery: 355 North Willingdon Avenue, Burnaby 2, B.C.

T.S. Bremner
Vice-President & Refinery Manager

November 12, 1971

Mr. M. J. Shelley, Municipal Manager
The Corporation of the District of Burnaby
Municipal Hall
4949 Canada Way
Burnaby 2, B. C.

Dear Sir:

During our meetings of November 2 and November 9 concern was expressed about the sulfur levels of our gasolines and the effect these sulfur levels would produce in the ambient air. Listed below are typical test results on sulfurs on our gasolines, Canadian Government Specifications for sulfur in gasolines, American Society for Testing and Materials Specifications for Sulfurs in gasolines and test results published by the U.S. Department of the Interior Bureau of Mines for sulfurs in gasolines in southern and northern California. You will note that the sulfur in the gasolines which we are producing from our refinery are below the specification referred to above and are below the average levels of gasolines produced in California. They are also competitive with other gasolines produced in this area.

The following are results of tests for sulfur in motor gasolines for the winter of 1970-71 taken from the Mineral Industry Survey - U.S. Department of the Interior Bureau of Mines:-

		<u>% by Wt. Sulfur</u>	
		<u>Range</u>	<u>Average</u>
Southern California	Regular	.032 - .117	.055
Southern California	Premium	.022 - .078	.042
Northern California	Regular	.010 - .090	.034
Northern California	Premium	.008 - .045	.020

The Canadian Government Specification for automotive gasoline has a maximum sulfur requirement of 0.15% by weight.

The American Society for Testing and Materials has at present set the sulfur specification of gasolines at 0.15% by weight maximum. They propose to reduce this to 0.10% by weight maximum in 1973.

The following table is a list of typical tests on our gasolines during the past years.

ITEM 5
MANAGER'S REPORT NO. 75
COUNCIL MEETING Nov. 22/71

SULPHUR % BY WT.

<u>DATE</u>	<u>PREMIUM</u>	<u>REGULAR</u>
Feb/68	.016	.032
May/68	.016	.046
Aug/68	.017	.054
Nov/68	.017	.037
Mar/69	.022	.038
Nov/69	.037	.058
Aug/70	.030	.041
Nov/70	.007	.024
Feb/71	.021	.019
May/71	.010	.028
Sept/71	.009	.033

Yours very truly,


T. S. BRENNER