

12. Re: Chevron Canada Ltd.
P.P.A. #1435
(Item 28, Report 73, November 15, 1971)

The recommendations in Item 28 were adopted at the meeting of Council held on November 15, 1971.

One of the recommendations was:

"THAT P.P.A. #1435 be extended for 4 weeks".

The attached letter dated November 26, 1971, has been received from the Company which outlines its approach to future expansion. We agree with the approach suggested and we have commented to the company that hopefully it would have declared its intentions in connection with the Bay Area Air Pollution Standards and maintaining equipment prior to asking Council for approval in principle of the proposed expansion.

We met with Company officials on November 29 to discuss its letter of November 26, along with the many other areas of concern outlined in Item 28, Report 73. We offered to work with the Company in preparing its submission so that we could ensure its adequacy. We have already been advised by the Company that the mechanical equipment being proposed by it in its modernization program as covered by P.P.A. #1435 is in compliance with the existing Bay Area Standards and that it is the Company's intention to have any future equipment that is installed meet these standards as well. The Company was to assess the discussion that we had on November 29 and to call for another meeting when it was ready.

We met again with Company officials on December 10, at which time the attached letter dated December 10, 1971, from Mr. Bremner, was given to us. Basically, the Company offers in this latest letter to meet the Bay Area Standards by the time that they have completed their proposed expansion, i.e., in the latter part of 1974, assuming that there are no protracted delays in obtaining the necessary approvals and permits in line with the schedule outlined in Mr. Bremner's letter of November 26. We consider the Company's offer to be a very realistic approach to the problem and we are totally satisfied with it.

It should be understood that we have not made any statement as to whether or not an expansion will be approved but we have made it clear that we are concerned about controlling the level and quality of emissions and aesthetics as outlined in Item 28, Report No. 73, which was adopted at the Council Meeting on November 15, 1971. The Company may want the option of proceeding with the carbon monoxide boiler and rheniformer prior to any conclusion being reached one way or the other on future expansion and we feel that the Company should have some assurance that the approvals already given for this work will not be withdrawn. This doesn't seem unreasonable because we are assured that this particular phase of work will meet the Bay Area Standards. If we tie in this outstanding work with a new proposal which will cover the expansion, and if it takes some time to reach conclusions one way or the other on the total proposal, it certainly could be possible that the Company would not be given authority in time to get on with this outstanding stage of the work. The Company can not, of course, do anything at this time of the year because of the weather, and whether or not the expansion proceeds, the Company should still have the right to undertake this outstanding work which has already been approved by P.P.A. #1435.

12. Re: Chevron Canada Ltd.
P.P.A. #1435 (Cont'd)

We will be continuing to work on this subject and this is a report of the progress that we have made to date.

RECOMMENDATION:

THAT the Company be advised we appreciate and accept this positive step forward; and

THAT P.P.A. #1435 lapse, but that in the event that approval in principle to the "expansion" program is not finalized one way or the other by March 15, 1972, in light of the fact the Company has assured that the carbon monoxide boiler and the rheniformer will be installed to meet the Bay Area Standards, authority be given to issue a P.P.A. for the carbon monoxide boiler and rheniformer at that time at the request of the Company; and

THAT a copy of this report item be forwarded to all those parties expressing an interest in matters of Chevron Refinery modernization and expansion.

ITEM 12
MANAGER'S REPORT NO. 80
COUNCIL MEETING Dec. 13/71



Standard Oil Company of British Columbia Limited

Head Office: 833 Marine Building, Vancouver 1, B.C.

T.S. Bremner
Vice-President & Refinery Manager

November 26, 1971

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

RECEIVED
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MUNICIPAL DISTRICT OF BURNABY

Dear Mr. Shelley:

As a consequence of the resolution passed by Council on November 15, 1971, in respect to refinery operation within the District of Burnaby, we have been studying for the past week the question of possible refinery expansion and the integration of any such scheme with our current modernization program. These studies are being undertaken in anticipation of the negotiations envisaged by the resolution; the success of which will, as you can appreciate, have a great bearing upon our future plans. However aside from this aspect, the magnitude and complexities of any refinery building program appears to present certain physical limitations insofar as the time limits and procedures prescribed in the various municipal bylaws are concerned. For example, the 90-day expiry period of any preliminary plan approval is insufficient to permit us to prepare detailed working drawings for a building permit. On the other hand, we require approval in principle early in 1972 in order to meet completion deadlines.

It is our opinion that any such expansion program could best be handled on a programmed basis and with this in mind we recommend for your consideration the following tentative schedule:-

January 1972 - formal submission of our refinery expansion presentation to Council requesting approval in principle of the concept.

By way of explanation, this presentation would include the following information --

- (i) site plans showing the preliminary location of the proposed new facilities together with supporting descriptions of the facilities.
- (ii) site plans showing the preliminary location of new storage tanks and explanatory description.

Copy - Passed - Bureau
- The Staff
- M. H. D.

- File Copy
- Mr. Bremner }
- Mr. ... }
- Mr. ... }

Mr. M. J. Shelley

November 26, 1971

-2-

- (iii) environmental features of the project including air and water quality, noise, etc. Included, of course, would be the question of aesthetics, but we would hope by this date the current phase of our landscape plans, already submitted to you, would be well in hand.

This in substance would be the basic contents of our application package supplemented with various visual aids.

Our plans would not be sufficiently developed by January 1972 to enable us to apply for a Preliminary Plan Approval in accordance with provisions of Section 7.3 of the Zoning Bylaw.

Assuming approval in principle was received we would propose to proceed on the following tentative schedule.

- March 1972 - apply for a building permit to cover construction of the Rheniformer and CO Boiler; this is on the assumption Council will grant a further extension of P.P.A. #1435 to March 1972 in order to keep this part of the project current.
- 2nd Quarter 1972 - complete submission of additional data for Preliminary Plan Approval.
- 3rd Quarter 1972 - apply for building permits to cover
 - (i) construction of new storage tanks
 - (ii) certain ancillary buildings i.e. control rooms, maintenance shop, etc.
 - (iii) ground preparation - new facilities in process area.
- 1st Quarter 1973 - apply for a building permit to cover the main construction phase of the overall project.

We feel this type of approach would enable us to present at the outset a comprehensive plan to Council so that all concerned would know the full extent of our proposed project. And, in addition, it would allow sufficient time and flexibility to permit us to carry on and complete the necessary detailed construction plans of the various components of the overall project.

We would appreciate either receiving your comments on this approach or the opportunity of discussing the matter more fully at your convenience. In view of the critical time element your early reply will be sincerely appreciated.

Yours very truly,

T. S. Bremner
T. S. BREMNER

ITEM 12
MANAGER'S REPORT NO. 80
COUNCIL MEETING Dec. 13/71



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

December 10, 1971

Expansion Proposal
Burnaby Refinery -
Air Quality

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

Dear Mr. Shelley:

This letter is further to our recent meeting in your office respecting our proposed presentation to Council early in 1972 covering the expansion of our refinery. Following your suggestion, we intend covering with you, prior to any submission to Council various facets of our proposal.

The subject of air quality standards in North Burnaby is without doubt of paramount concern to Council, just as it is to the Company. The maintenance of a high standard of air quality has been uppermost in our minds during the development of the modernization program and also during the current development of plans for expansion. We have been and are following the policy of upgrading facilities when such programs are undertaken, often at considerable additional cost over what would be required just to make the plant run. Because this important subject is foremost in the mind of both council and your administration, the following is submitted for your consideration.

The design of all expansion facilities will follow the same rigid specifications as we previously advised you were laid down in regard to our modernization program (Rheniformer, CO Boiler, Light Ends Recovery Plant and Flare). With this as a building block, the remainder of existing equipment can be upgraded so that upon completion of our expansion program, the emissions from the total refinery operation will meet the current standards laid down by the Bay Area Air Pollution Control District in Regulations 2 and 3. We are at present estimating completion date in the latter part of 1974, assuming there are no protracted delays in procuring the necessary approvals and permits in line with the schedule outlined in my letter to you of November 26, 1971.

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COPY - PLANNING DIRECTOR
- ENGINEER
- M.H.O.
- CHIEF BURNABY DIST.
- FILE CHIEF

DR. McLELLAN

[Handwritten signature]

Mr. M. J. Shelley

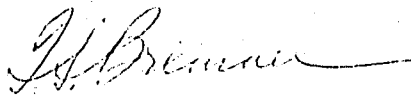
December 10, 1971

-2-

We have given considerable thought to the subject of monitoring equipment, especially in the current absence of an air standards authority. A study of wind data and an analysis of our odour complaint records; a summary of which we recently furnished to Council, indicates the residential area most susceptible to odour is located on the westerly periphery of our site. Therefore we propose to purchase and install an SO₂ monitor and a wind station. The SO₂ monitor will be located adjacent to Eton Street and Rosser Avenue. It is our intention to order the meter and wind station shortly and obtain further background data prior to expansion. Readings from this equipment will be available to your office.

With the above stated proposal to meet the current Bay Area Standards along with our previous statements regarding commitments on other environmental matters and our proposal to you on periphery landscaping, we sincerely hope that real progress is being made toward establishing the basis for approval of our expansion plans. However we are concerned with the possibility of delay on construction of the Rheniformer, as construction of this plant should be completed before commencing construction of the expansion facilities. We believe that any delay in this respect could be minimized by extending PPA 1435 at this time and therefore we seek your consideration of this aspect which is of vital importance to us.

Yours very truly,



T. S. BREMNER