

PLAINTIFF'S EXHIBIT

TEX-145

March 24, 1965

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ENGINEERING DEPT. X-HANDLER NOTE		
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HAL	25	JAD
REN	26	JBJ
TH	27	RS
JCN		JMJ
RVK	28	HBS
FEC		FHM
ELS		IFG
LED		CHG
ECL		DA
VAT	29	ASM

KA 31
SPB 3/12

AIR MAIL

BLIND: FCCU OPERATIONS
PUGET SOUND PLANT

Mr. John F. O'Hannell,
Vice President,
Refining & Chemical Division
220 Bush Street
San Francisco, California

Dear Sir:

As you know, Bechtel Corporation built the Texaco Puget Sound Plant at Anacortes, Washington, under Bechtel Job No. 2225. Texaco estimates \$400 in 1958. As a part of this project, Bechtel designed and constructed a Fluid Catalytic Cracking Unit. At the present time we are faced with a series of problems on the FCC Unit, including a specific regenerator load limitation, on which we solicit your assistance.

The original design regenerator load was 225 tons of catalyst; however, as a result of Bechtel's review in late 1959, this was increased to 260 tons based upon use of actual platform weights rather than a design allowance.* Subsequently, about 22 tons of equipment have been removed from the regenerator structure, and we have recently increased catalyst loading above 260 tons. However, a severe vibration problem was encountered at loadings of 290-305 tons (maximum observed) under current operating conditions.

We would like to obtain from Bechtel a statement of the nature of the regenerator catalyst load limit and the extent to which it is governed by seismic factors. This should include identification of the limiting regenerator structural component(s) (i.e. reinforced concrete beams, columns, foundation, piling, etc.). Secondly, we desire to determine the requirements for an engineering study by Bechtel to define the various structural limitations that exist as the unit is now constituted and operated, and what would be required to remove present load limitations. Regarding this second request, we would need to know the basis for fees, an estimate of the cost to Texaco of the total study, an estimate of time requirements, plus, of course, any additional comments you may have.

*Meeting of November 30, 1959, with Messrs. D. K. Finlayson, Chas. Ferguson and Ray Kollgaard of Bechtel, plus Messrs. J. C. Williams, H. B. Jones, R. E. Nagle and others of Texaco.

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Mr. John F. O'Donnell

The reason for increasing the FCC Unit representative staff
has been your strong support of the original staff. Over the past several
years, various changes have been made in an effort to obtain better
results. While there has been improvement in certain situations,
the changes have resulted in little, if any, improvement
in representative performance.

We would appreciate the opportunity to discuss our latest
representative problem with some of your people who are know-
ledgeable in the field of FCC Unit operation and design. It is
proposed that the discussion would involve the various changes that
have been made to the unit and the background thereof, plus a summary
of current operating problems and what could or should be done about
them. In this meeting we would not wish to resolve any controversial
know-how which has been received from third parties but would like
to take advantage of any relevant information which could be freely
divulged. During this meeting, we would discuss the unit's
know-how and we would therefore wish to have a hold-on-the-line
agreement similar to that signed in connection with the Louisiana Plant
project.

We would appreciate your comments on the feasibility of
such a meeting and your recommendations as to time and location.
Please state what, if any, fees for technical know-how and/or engi-
neering would apply.

We are looking forward to receiving your comments on both
of the above proposals, and if we may provide you with additional
information at this time, please let us know.

Yours very truly,
Signed: H. A. Lord

DPR:MA

Blind: RP
CFT
HPC
WWR

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