TO: Distribution

IGG: JCL: FBJ: AC: AJO: RF

XF: 645

FROM: T. G. Grumbles
DATE: August 28, 1991

VISTA

Interoffice Communication

SUBJ: GROUNDWATER RECOVERY SYSTEM FOR LCCC

A meeting was held on August 26 to review the impact of Vista's Vision project on the capacity to treat recovered groundwater and to review the status and cost-sharing issues of the permanent remediation system design work. The meeting was attended by Gary Wojnowski and Jay Christopher of Conoco. Veldon Messik, Tom Grumbles, and Randy King attended for Vista. Below is a summary of the discussion.

Groundwater Treatment Capacity Restrictions

This discussion was held to assure Conoco understood the scope and design parameters for Vision and how that impacted the treatment capacity. The design basis will only allow for 24 gpm of recovered groundwater. The reasons for this were discussed in detail. Although actual operation of the Vision project may result in additional capacity for the groundwater, it is understood that if the recovered groundwater volume increases, alternate or separate treatment methods or equipment may be needed. This could result in capital expenditures for both companies.

Recovery System Design

Conoco and Vista agreed that Conoco would do the process design and be reimbursed for their services (see attachment). Vista is proceeding to do the mechanical design. It was agreed that Vista would account for the time to do this design in a similar manner and we would wait until the design completion to determine the split on costs. If our time exceeds Conoco's, reimbursement will be made to Vista.

Some specifics of the mechanical design were also reviewed. There is a specific question on the insulation specified by Conoco. Gary Wojnowski agreed to look into this and later confirmed that foam glass was the preferred insulation.

Arrangements were made to provide Conoco with the design and bid packages.

T. G. Grumbles

dlj
.315

Distribution: R. Handy, D. Booth-LCVCM, M. G. Hayes-LCGP
G. Wojnowski, J. Christopher-Conoco

VVV 00000027

Research and Engineering
Process Engineering Division

Conoco Inc.
P.O. Box 1267
Ponca City, OK 74603
(405) 767-3456

To: Graham Bacon, Vista VCM Plant
From: Gary Wojnowski, Conoco, PED
Date: June 21, 1990
Subject: VISTA LCCC GROUNDWATER RECOVERY COLLECTION SYSTEM

This letter documents the plan for the process design of the remediation system up to and including the feed tank. Conoco, PED, will complete the process design for the gathering system for the groundwater recovery project at the Vista Lake Charles Chemical Complex, LCCC. Estimates for this work to be done by outside contractors were previously obtained by Bob Craft of Vista and ranged from $16,000 to $40,700.

We feel there will be a savings in cost and an increase in quality by having Conoco do this project.

The major work items include:

1. Evaluation and selection of the well pumps,
2. PFD and P&ID Drawings,
3. Design of the collection tank(s) and equipment,
4. Instrument Specifications,
5. Process Description,
6. Work list.

The cost estimate is not part of this project and it is anticipated that both Conoco and Vista will estimate this project separately.

Personnel

The Conoco project team will consist of:

1. Gary Wojnowski
2. Joel Wilson
3. Kenny Morrison
4. Lew Cresswell.

A Vista plant contact will also be assigned to this project.

The project will require not more than 200 hours of PED's time at $56/hr or $11,200, and 30 hours of drafting at $30/hr or $900. Vista's total share would be $4,235. If it takes more time to complete the design to Vista's requirements, Conoco will not charge for this time.

Sincerely,

OK TO START

Gary Wojnowski
Senior Staff Engineer
Environmental Group/Technology Section
Process Engineering Division

CC: DFM/LES:LWC:JFW:HJN

File EV-1180.18

VVV 000000274

TGG: JCL: ~~EGJ~~: AC: AJO: RF

XF: None

TO: Rick Smith

FROM: T. G. Grumbles
DATE: October 22, 1991

VISTA

Interoffice Communication

SUBJ: RESIN ROAD SHOW TOPICS

Attached is a table of our VCM emissions reported to EPA and our estimated 1991 reductions based on process changes and projects. This could be put in bar graph form or another visual way to demonstrate the significant reductions in VCM emissions. Some are a result of better estimating but much of the reductions are a result of actual emission reductions.

This can be used to demonstrate that we have aggressive environmental programs to reduce the impact of our operations on the environment and maintain our capability to operate.

Companion to the technical programs we are working with our surrounding communities to establish an understanding of our operations and develop a public acceptance of the plants. These efforts compliment the technical efforts to preserve our ability to operate.

The environmental performance of our plant at Aberdeen is evidenced by the VI environmental award. (Attached)

In recognition of the growing public concern over the use of heavy-metals and the contribution of them to solid waste, Vista is pursuing and has successfully reformulated some products to reduce or eliminate the use of certain heavy metals.

Hopefully this is what you're looking for.

T. G. Grumbles

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Attachment

VISTA CHEMICAL COMPANY

VCM EMISSIONS

TOTAL POUNDS

	1987	1988	1990	EST. LBS 1991
VCM	113242	15263	20394	15000
ABERDEEN	120000	76819	64295	24000
OKC	69244	66240	65712	24000
TOTAL	302486	158322	150401	63000
% REDUCTION (SINCE 87)		47.65973	50.27836	79.17259