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INTERNAL LETTERHEAD

W. A. Seime

TO (NAME AND LOCATION) *As Listed		REFERENCE NO.
FROM (NAME AND LOCATION) R. K. Gibbs	REFERENCE NO. E-148-RKG-72	DATE 5-19-72

*Messrs. W. A. Seime - Bishop ✓
 W. T. Johnson - Houston
 L. C. Ross - Clear Lake
 L. Ogden - Clear Lake
 E. C. Juenger - Pampa
 R. Larson - Newark
 R. M. Spitzenberger - Houston Plastics
 R. E. Trampe - Bay City
 H. E. McQuigg - Bay City

CIRCULATE
LIT ✓
IN ✓
OUT ✓
REC'D ✓
ML ✓
FILE ✓

Minutes of Plant Engineers' Meeting

4.1.3

A meeting of Plant Engineers was held on April 18, at the Bay City plant. Attendance is listed above.

Status of Fabricated Equipment Standard

This standard has proven to be useful in the past year. No serious problem in its use has developed. It is being used on the acrylate project at Clear Lake and the VA project at Bay City. An addendum is needed to cover some omissions. Also, standard sizes of reboiler nozzles need to be changed to correspond to HTRI recommendations. No vendor comments have been received.

It was agreed that the various standards committees should be considered permanent committees. They should meet every 12 - 18 months to update the standards. Such a meeting can be called by the chairman as needed or it can be set up at a Plant Engineers' Meeting. David Yates will be asked to call another fabricated equipment meeting within six months, probably in the fall.

Status of Welding Standards

The committee members for welding standards have been working on various assignments since last November. It will probably take two more meetings to complete this standard. The committee needs to assure that our standard complies with OSHA standards. The quality section will be deferred until after OSHA standards are clarified. Bob Allen, the chairman, will probably call the next meeting in May.

Status of Insulation Standards

Larry Ogden, the committee chairman, said a tentative standard has been sent out to committee members for approval. However, insulation practices are in a state of confusion because of OSHA requirements. OSHA has severely limited use of asbestos in insulation. However, asbestos is required to provide mechanical strength. Fifty percent breakage is frequently experienced with non-asbestos insulations. OSHA requires insulators to use respirators when cutting, installing, or removing asbestos insulation. The committee feels that this is not necessary for installing insulation in an open area. Kay-lo will not be marketed without asbestos. The tentative standard includes Kay-lo, fiberglass for low temperatures, and mineral wool for high temperatures. Three cements were specified, of which two have asbestos. The individual plants will have to decide how closely they should follow OSHA safety standards for installation.

It was agreed that an Engineers' Guide should be included in the standard. This guide should include the logic behind insulation for various situations.

It was also agreed that this standard and other standards should flag requirements which were added, under duress, strictly for compliance with OSHA. This will facilitate revision if OSHA standards are revised.

Larry Ogden will have another committee meeting within a month.

Future Standards Committees

The need for a rotating equipment standard was discussed. The difficulty of developing such a standard was recognized. It was agreed to set up a committee to develop a rotating equipment standard and/or engineers' guide. It was felt that even if no standard or practice resulted, that the exchange of ideas would be worthwhile. Therefore, it was agreed to set up a rotating equipment committee. Pampa will provide a chairman and set up the first meeting in May. Each location can send more than one representative to the first meeting if they desire. The committee can pare down its size at the first meeting.

No more committees will be set up until some of the first four standards are completed.

OSHA

Steps taken at various plants to comply with OSHA standards were discussed. There is no coordinated program or guideline for Engineering Sections at various plants. In general, each Engineering Section is assuring compliance on new installations and letting each plant OSHA committee coordinate changes in existing facilities and practices. Willard Johnson pointed out that prior installations must meet the intent of the law and new installations (after 8-1-71) must meet the letter of the law. In some areas, the plants are intentionally not complying where they feel that the OSHA standard is no better than existing practice.

Bishop Engineering has a full-time OSHA coordinator to review all projects for compliance and to keep a tab on all money spent strictly for compliance. This amounts to \$40,000 so far.

Clear Lake's plant OSHA committee is logging where existing installations do and do not comply and the cost required for compliance. About \$25,000 has been spent.

Representatives from the Bay City plant have been attending the series of hearings in Austin on occupational safety standards being developed by the Texas State Department of Health in conjunction with OSHA. All plants should be represented if they want to influence these standards.

Mid-Year Capital Review

Willard Johnson briefly reviewed the mid-year capital plan summary for the Chemical Company. Plant Engineering has primary responsibility for the capital plan at all locations except Bay City. Means of improving accuracy of the plan were discussed. It was emphasized that Plant Engineering frequently does not have control of the timing or the scope of various projects so it does not have control over capital expenditures.

Company-wide Meetings on Specific Technology

There was considerable interest in having a meeting to review boiler feed water treatment and cooling water treatment. The Technical Center is planning such a meeting.

An electrical engineers' meeting is already scheduled to be held in Pampa in the fall.

Wayne Seime agreed to organize a meeting of Celanese instrument engineers at Texas A&M in conjunction with their annual instrument symposium.

Disposition of PO Equipment

Wayne Seime reported the ground rules for disposition of PO equipment. Bishop has already issued a 200 page list of equipment which will be idled by the PO shutdown. This list will be computerized to aid in selection of equipment. This equipment will become available at various dates from October 15, 1972, through February 2, 1973.

Chemical Company locations should reserve equipment if there is a reasonable chance it will be used. Other Celanese companies may reserve equipment for projects which have been approved or if they are in the capital plan. However, the first location to requisition a piece of equipment will get it,

despite the reservations. When a piece of equipment is requisitioned, others who wanted it will be notified. They may appeal. Bishop will get first choice if they plan to reuse equipment in place. Equipment can be requisitioned only for approved projects. Approval of requisitions will not be required if the project was approved on the basis of reusing idle equipment.

The basis for RFA capital estimates needs to be clarified by management for cases where idle equipment is to be reused. Significant underruns will result if an estimate is based on all new equipment and idle equipment is used. It is risky to base an RFA on reusing idle equipment because it may not be available if someone else requisitions it before your RFA is approved. Wayne Seime said Plant Engineers should notify him when an RFA is submitted which counts on reusing idle equipment. The requisition can follow after RFA approval.

*WAS
Repaired
in April*

The controllers manual says to transfer equipment at the GBV of the installed cost. Reinstallation costs should be expensed. Bishop will backcharge the user for the cost of removing idle equipment. Bishop does not have a crane large enough to remove many large items of equipment.

Bishop will write off all not-itemized equipment. However, some highly reusable valves and instruments will be salvaged. Other locations can have these things for the reconditioning cost. Other junk will be sold to junk dealers if Bishop can make a profit on it.

Private Meeting of Plant Engineers

At this part of the meeting, various ideas and philosophies on stewardship problems were exchanged.

The makeup of the membership and frequency, value, and purposes of these meetings were discussed. All agreed the meetings were worthwhile. A four-month frequency was decided on. This would put the next meeting in August (at Bishop). The membership will be altered to include only the six Plant Engineering Superintendents at the Chemical Company plants, Celcon, and Houston Plastics plant plus the Chemical Company Staff Engineer. Other parties, such as from Newark Terminal, CCTC, Corrosion Lab, etc., will continue to receive notices of meetings and are welcome to attend meetings of interest to them.

R. K. Gibbs

R. K. Gibbs
Maint. Engr. Supv.

RKG:djd

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