

1985 TURNAROUND
DU PONT BEAUMONT WORKS
AMMONIA PLANT
INSULATION SCOPE OF WORK

GENERAL

The harps in the Ammonia plant Reformer will be changed at some time during the period from late April, 1985 to the end of June, 1985. This scope is in two parts. Scope "A" (firm bid) defines known detailed insulation work. Scope "B" (labor & material) is the work that can only be defined after the shutdown and inspection.

The insulation work will have to be scheduled with DuPont who will be dismantling and rebuilding the internal piping. There will be "peak" and "valley" demands for manpower by the insulation contractor. The work inside the reformer will be done by "zones" and sequential order.

SCOPE "A" (FIRM BID)

1. INLET GAS HEADER The contractor will remove insulation as needed to allow installation of two new weldolets in top side of each of eight manifolds. These areas to be repaired when new pigtails are in place.
2. PIGTAILS There are forty two pigtails on each of the eight inlet manifolds (336 total). Three feet of insulation from the catalyst tube out shall be removed. After the installation of the new harps, the pigtails will be reinsulated per B-144940 and B-144950. There will be an additional 16 pigtails (352 total).
3. THE CATALYST TUBES Remove the insulation from the forty two catalyst tubes on each of the eight harps from the support plates to just below the weld neck flange on the top of the tubes. This includes a split line at the seal plates. The contractor will provide material and insulate the new catalyst tubes as shown on drawings B-144940 and B-144950.
4. OUTLET MANIFOLD The eight outlet manifolds have a three layer covering of ceramic fiber blanket wired on them. This has to be removed prior to pulling the eight harp sections. After installing new harps, the outlet manifolds will again have the three layer wrapping of ceramic fiber. This is two layers of two-inch thick and one layer of one-inch thick ceramic fiber wired on with one-sixteenth diameter Inconel wire. Final layer is coated with "LUDOX" Ridigizer. DuPont will supply the ceramic fiber and the Inconel wire. The contractor will supply the Ridigizer.

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INSULATION SCOPE OF WORK - Cont'd

SCOPE "B" (LABOR & MATERIAL)

After the firm bid work has been completed, it will be inspected by DuPont. After DuPont approval of the firm bid work, the contractor will be released to start on the undefined work that will be determined by field inspection by DUPONT and the contractor. This will include all damaged insulation in the pent house.

GENERAL NOTES

1. The prime consideration second only to safety is the time required to do the job. Job must be done rapidly with good quality.
2. All insulation work must be done in conjunction with other work in the reformer. The details of scheduling must be determined before shutdown.
3. Contractors work times are to be as agreed to by DuPont and contractor.
4. All safety and Health considerations of job are the responsibility of contractor in accordance with latest instructions of NIOSH & TIMA.

INFORMATION REQUIRED ON BIDS

1. We need to know the time required for the "Contractor" to complete items 1 to 4 under "Scope A".
2. We need to know advance notice the "Contractor" requires before shutdown for material and job manning needs.
3. We need the "Contractors" on site power and storage needs if any.

Plant contacts to inspect job site are as follows:
F.W. HENGES 727-9945 and G.G. SMITH 727-9433

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