

BID SPECIFICATIONS
FOR
HAND CLEANING AND PAINTING
NO. 1 CRUDE UNIT

Coastal States Petrochemical Company
Corpus Christi, Texas
January, 1968

SCOPE OF WORK TO BE PERFORMED

Hand clean, prime and paint No. 1 Crude Unit as outlined in red on Drawing. All new pipe or materials, after being properly cleaned, shall receive two prime coats and two finish coats of paints as set out in the specification for the particular items.

Subject: Surface preparation and coating specification for Crude Unit #1.

A. Surface Preparation

Remove all grease and oil with detergent solution (one pound Sodium Meta Silica per five gallons of water). No sand blasting can take place in these units due to sand contamination and fire hazard. All of the cleaning shall be done with Wire brush and scrapers. Clean thoroughly.

Where bare metal is exposed, these surfaces shall be pretreated with Briner's #2215 Prepaint or equal.

a. Mix Prepaint as follows:

4 parts water
1 part Prepaint

Under no circumstance should this mixture vary for use in these units.

b. Apply a very wet coat to all bare steel.

c. Do not paint over this until it is completely dry. This takes from 2 to 4 hours.

All of the old Aluminum jacketing on piping will have to be washed down with the detergent solution.

Crude Unit #1.

B. Painting Specification

(Priming)

1. All steel surface that is exposed shall be primed as follows: (ambient up to 250°F.)

a. One coat #2810 Durapon Red Chromate Primer or equal, 2½ mils dry.

- b. One coat #2809 Durapon Green Chromate Primer or equal,
2 mils dry.

* Spray or brush apply.

* Thin with #69 Durapon Reducer at the rate of
1 pint thinner per gallon of primer.

2. Hot surfaces that exceed 250°F. up to 650°F. - Do not paint.

3. Aluminum surfaces. (old surfaces)

- a. One very thin coat of #2600 Vinyl Wash Primer or equal.

* Mix one to one with #64 Reducer or equal. This
is a diluent which reacts with the base, allow-
ing approximately 12 hours potlife.

* Apply this coat so thin that it is transparent.

(Finish Coats) - For all surfaces that are ambient up to 250°F.
Various colors are used throughout the refinery, and the selection for
each particular piece of equipment will be rigidly followed.

- a. #3526 Steel-Clad Turacotta or equal.

Hand Rails	Stanchions
Ladders	A-Frames
Platforms	

- b. #2581 Steel-Clad #30 Green or equal

Small Vessels	Signs
Footings	Pumps and Motors
	(ambient to 250°F.)

- c. #2580 Steel-Clad #28 Green or equal

All uninsulated piping

- d. #1337 Steel-Clad Chrome Polished Aluminum or equal

Insulated piping

Aluminum jacketing that has been primed

- e. #2544 Steel-Clad Bright Red or equal

Alarm boxes
Fire fighting equipment

- f. #2977 Silicone Alkyd Gray Primer or equal

Hot Pumps and Engines (no additional paint needed on these surfaces).

- g. #2966 Silicone Alkyd Aluminum or equal

Hot piping
Hot valves

Surfaces will be guaged for temperature, so that the excessively hot areas can be properly identified.

Inspection will be made daily on the cleaning and surface preparation, as well as the painting.

Note: All paints and coatings in this specification are produced by Briner Paint Company. An approved equal will be accepted when adjudged so by our Engineering Department.

- II. Safety.Precautions. If fire or explosion hazards are present, proper precautions shall be taken before any work is done. If the structure previously contained flammable materials, it should be purged of dangerous concentrations.

Nozzle blast operators exposed to blast dust shall wear a U. S. Bureau of Mines approved helmet connected to a source of clean, compressed air.

Filter-type air respirators should be worn by all others who are exposed to blast dust environment. Adequate protection for personnel from flying particles shall also be provided in any blasting operation.

Safety goggles shall be worn by all persons near any blasting operation.

Blast hose shall be grounded to dissipate static charges.

- III. Inspection. All work under this specification shall be subject to inspection by the owner or his representative. All parts of the work shall be accessible to the inspector. The contractor shall correct such work as is found defective under the specifications. If the contractor does agree with the inspector, the arbitration or settlement procedure established in the contract, if any, shall be followed. If no arbitration or settlement procedure is established, the procedure specified by the American Arbitration Association shall be used.

IV. APPLICABLE SPECIFICATIONS

- A. Contractor shall, at its sole cost and expense, furnish all necessary supervision, labor, tools, equipment, supplies, all expendable and/or consumable materials such as sand, motor oils, fuel and greases, etc., to perform all work herein specified. Coastal will furnish all paint material and thinners. It shall be the contractor's responsibility to notify Coastal 5 days prior to time material needed and the amount.
- B. Contractor shall provide proper supervision on job site at all times, including supervision by prime contractor for any subcontract work by others.

V. GENERAL CONDITIONS

- A. Working hours shall be from 7:00 a.m. to 3:30 p.m. Monday through Friday. Coastal States holidays will be observed.
- B. Contractor to furnish portable sanitary facilities and drinking water for construction forces, if required.
- C. Coastal States shall have the right to effect changes in construction. Should changes be made, then the amount of payment or basis for payment shall be determined by Coastal States and the contractor prior to the starting of the work for which such change is made.

D. INSURANCE

Contractor shall provide and maintain, at his own expense and cost, with carriers acceptable to Coastal States, the following insurance, to be evidenced by Certificate of Insurance furnished to the company by the carriers:

- 1. Workmen's Compensation Insurance, including death coverage.
- 2. Public Liability and Property Damage Insurance on operations with minimum limits as follows:
 - a. Bodily Injury-----\$100,000/\$300,000
 - b. Property Damage-----\$50,000 on any one accident

- E. The contractor shall submit his bid to Attention: B. A. Paulson, Coastal States Petrochemical Company, P. O. Box 521, Corpus Christi, Texas 78403, not later than January 15, 1968.

The quoted price shall include all remuneration required by contractor for required work.

- F. The contractor will comply with all Coastal States safety measures, etc.
- G. Bidders should visit the job site to familiarize themselves with the scope of work to be done.

