

HOLMES & NARVER, INC.
Engineers - Constructors

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TO: Engineering Manager JOB: 942 J/S No. 1263
FROM: Resident Engineer *RBO* RE: Fuel Tank Inspection, Site Fred POL Farm
DATE: 4 March 1959

Submitted herewith for your information and future planning are the results of an inspection survey of fuel tanks in the POL Farm, Site Fred, made on 2 March 1959. Tank numbers referred to are as shown on drawing FS-2437.

411490

Vertical Tank #28

Replace

Interior: Bottom is in excellent condition. Metal is clean under the existing plastic film. No apparent rusted areas. Sidewalls are in good condition. Metal is generally clean under coating with some lightly rusted areas. No apparent penetration from inside out.

Exterior: Top of tank is generally rusted with heavy rusted areas. Sidewalls have scattered rust boils with some penetration. All bolted joints show heavy rusting under protective paint.

Tank appears to have approximately 1/8 inch wall thickness. Will require extensive sand blasting inside and out.

Horizontal Tank No. 32

Interior: Very good condition. Plastic coat is blistered and peeling but metal has not rusted very much. Light rusting in scattered areas.

Exterior: Heavy rust blistering. No apparent penetration. Rusted areas are very general and corrosion is moderately advanced under aluminum paint. Heavy pitting evident from previous sand blasting. Head seams generally rusted. General rust is approximately 1/16 inch penetration. Boils appear to penetrate approximately 1/8 inch. Vent pipe is heavily pitted.

Tank appears to be constructed of 1/4 inch plate. Will require extensive sandblast.

Horizontal Tank No. 31

Interior: Same as tank No. 32.

Exterior: Very heavy rusting on both ends at bottom exterior. Rust boils and pitting on top, sides and ends. Vent pipe is moderately pitted.

Tank appears to be constructed of 1/4 inch plate and will require extensive sandblast.

Horizontal Tank No. 30

Interior: Good. Light rusting. Plastic coat blistered and peeling.

Exterior: General pitting and rusting. One hole is evident at west end of tank on bottom side. Vent pipe is lightly pitted.

Tank appears to be constructed of 1/4 inch plate. Will require extensive sandblast.

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Horizontal Tank No. 29

Interior: In excellent condition. Very little apparent rusting. Some peeling and blistering of plastic coat.

Exterior: Good condition with scattered rust boils and seam rusting. Vent pipe is moderately pitted.

Tank appears to be constructed of 1/4 inch plate. Will require sandblast.

Vertical MO-GAS Tank No. 38

Interior: Floor has old cavitated areas. Generally covered with fine rust. Sidewalls are covered with fine rust. No apparent rust boils or cavitation. No apparent penetration.

Exterior: Few, scattered light rust boils on sidewalls. Light rusting at horizontal bolted joints (flanges). Top has heavy, general rusting and many rust boils.

Horizontal MO-GAS Tank No. 42 (Marked PL-422)

Interior: Generally covered with fine, tight rust coat. No apparent cavities.

Exterior: Very good condition. Few, scattered rust boils. Existing pitting from previous sandblasting. Vent pipe is lightly pitted.

Horizontal MO-GAS Tank No. 41 (Marked PL-420)

Interior: Very clean. Only partial rusting on sides. Old pits apparent from previous sandblasting.

Exterior: Very good condition. Few, scattered rust boils. Old pits apparent from previous sandblasting. Vent pipe is lightly pitted.

Horizontal MO-GAS Tank No. 40 (Marked PL-419)

Possible pitting

Interior: Generally very rusted. No apparent rust boils.

Exterior: Heavy pitting, rusting and rust boils. Vent pipe has very light pitting.

Horizontal MO-GAS Tank No. 39 (Marked PL-418)

Possible pitting

Interior: Only partial rusting on sides. Old pits are apparent from previous sandblasting.

Exterior: Few, scattered rust boils. Many old pits. This tank has had many old pitted areas repaired by welding. Vent pipe has light pitting.

Vertical AV-GAS Tank No. 33

Re place

Interior: Good condition. Bottom is coated with plastic paint. Plastic is blistered. Sides have a light coating of fine rust.

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Vertical AV-GAS Tank No. 33 - Continued:

Exterior: Top is quite heavily rusted and pitted. No apparent penetration.
Sides: Bolted horizontal flange at bottom is very heavily rusted and is partially disintegrated. Bolted horizontal flange at center is partially rusted and disintegrated. Some of the vertical bolted seams are deeply rusted with some penetration. Side panels have scattered rust boils with approximately 12 apparent holes thru the metal wall.

Vertical AV-GAS Tank No. 34 *Replace*

Interior: Good condition. Bottom is coated with plastic paint. Plastic is blistered. Sides have a light coating of fine rust.

Exterior: Top is quite heavily rusted and pitted. No apparent penetration.
Sides: Horizontal bolted flanges have some rusted areas. Side panels have scattered rusted areas and rust boils. Approximately 12 apparent holes thru the metal wall.

Vertical AV-GAS Tank No. 35 *Replace*

Interior: Good condition. Bottom is coated with plastic paint. Plastic is blistered. Sides have a light coating of fine rust.

Exterior: Top is quite heavily rusted and pitted. No apparent penetration. Side panels have scattered rusted areas and rust boils. Horizontal bolted top and bottom flanges are rusted and partially disintegrated. There are approximately 13 apparent holes thru the metal wall.

Vertical AV-GAS Tank No. 36 *Replace*

Interior: Good condition. Bottom is coated with plastic paint. Plastic is blistered. Sides have a light coating of fine rust.

Exterior: Top is quite heavily rusted and pitted. There are two apparent holes thru the metal top. Bolted flanges and joints are clear of corrosion. There are very few rust boils on the side panels. Approximately one apparent hole thru the metal sidewall.

Vertical Diesel Tank No. 37

Interior: Very good condition. Bottom covered with plastic paint. Very light coat of rust on the sides.

Exterior: Top is generally rusted and pitted. No apparent penetration.
Sides: Flanges and seams are clear of corrosion. Very few rust boils on side panels. There are no apparent holes thru metal.

Vertical Diesel Tank No. 43

Interior: Very clean condition. Bottom covered with plastic paint. Very light coat of rust on the sides.

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Vertical Diesel Tank No. 43- Continued:

Exterior: Top is generally rusted and pitted with no apparent penetration.
Sides: Flanges and seams are clear of corrosion. Only one or two rust boils on side panels. There are no apparent holes thru the metal.

RRG:jm

cc: Manager, Engineering & Construction
Chief Project Engineer
E. H. Willes
H/O Chrono
H/O Project File
H/O Exec Asst (AEC Facilities)
J/S Chrono
J/S Central
J/S Engineering
J/S Test & Inspection Dept.
J/S Engineering Reading File