PLAINTIFF'S
EXHIBIT
DUP-2255

E. I. DU PONT DE NEMOURS & COMPANY

WILMINGTON, DELAWARE

ENGINEERING DEPARTMENT

August 5, 1958

H. D. BOYCE
DISTRICT SUPERINTENDENT
CONSTRUCTION DIVISION

CONSTRUCTION - REPAUNO
PROJECTS 8344-8648-9815 - PRESSURE TESTING - INSTRUMENT AIR FACILITIES

In accordance with Section D, Part 19 of the Construction Division Safety Operational Methods Manual, on Pressure Vessels, your approval is requested of the procedures to be followed in pressure testing with air in the three categories listed below for Projects 8344, 8648 and 9815.

A. Instrument Air Dryers

Each of the two dryers will have two towers, all of which will have ASME pressure vessel stamps for 150# design pressure. Each tower will also have an individual pressure gage and pressure relief valve. The dryers will be subjected to approximately 65 psig, full plant air pressure, following which they will be placed on automatic cycle, with a small volume discharge to atmosphere, to regenerate and supply dry air for the header pressure test.

B. Instrument Air Header Systems

These systems originate at the instrument air dryers, whence they run via outside overhead pipe supports to each of the FAA areas. The pipe is galvanized ASTM A-53 buttweld with 150# ductile iron fittings. Design pressure rating is 150#. None of the headers is larger than 2" ips. Project 8648 air head system includes an existing air receiver. The systems, including the air receiver, will be leak tested at 15#, then raised to plant air pressure of approximately 65 psig. This procedure follows Std. Eng. Spec. SPIB, Paragraph 16.1, which specifies, "Do not test hydraulically" and SPIB, Paragraph 8.2.1 except that soap test pressure will be 15 psig instead of 25 psig.

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C. Air Transmission Lines

These are 1/4" OD polyethylene and copper tubes, both single and in bundles of seven in a polyvinyl-chloride or Rulan sheath.

As specified in Std. Eng. Spec. SPI3, Paragraph 16.2, tubing will

be tested according to Eng. Std. R141K.

Attached is our procedure, detailed as to safety in preparation and during test.

R. C. REBER
FIELD PROJECT MANAGER

R. E. Borth

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Attachments

DUP 0918114

The Division objective goal will again be 0.0 for the year. We feel that this goal will be achieved in 1964 provided each of us will shoulder the responsibility he has accepted and exercise the inherent authority.

CONSTRUCTION DIVISION

F. H. Mackie

F. H. Mackie, Manager

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