

Use: For testing models of floats for seaplanes, and hulls for flying boats, by drawing them through the salt (sea) water of the long basin at high speeds up to about 35 miles per hour.

Authority: Second Deficiency Appropriation Act fiscal year 1939. Approved May 2, 1939. Public No. 61, 76th Congress.

Location: Plot 22, Langley Field, Va.; approved by Secretary of War (letter dated October 10, 1940 from Washington office to army air corps requesting permit.)

History: Preliminary work on tank no. 2 started May 11, 1940. Placed in operation December 18, 1942.

Construction:

Dimensions of building

29' x 600' x 16' (average height above basin)
Depth of basin 6'-4"

Ground area

16,200 sq ft

Cubic contents

259,200 cu ft

Character

Steel framework with walls and roof of corrugated asbestos

Cost Summary

Structure

\$192,768.69

Cost per cu ft

1.901

Equipment

9,099.78

Detailed Costs

Structure
Design
Building structure
Built-in mechanical equipment
Built-in electrical equipment

\$ 39,548.51
363,014.90
19,165.09
26,243.04

\$147,971.54

Technical and engineering services (10 % of structure costs - \$447,971.54)

44,797.15
492,768.69

Inventoried mechanical equipment

4,678.68

Inventoried instruments

655.70

Inventoried furniture

17.50

Inventoried electrical equipment

3,747.90

9,099.78
\$501,868.47

Totals to June 30, 1942

Main Contracts

Construction of Tank No. 2: Contract NAW-1181, Midland Constructors, Inc. Started July 15, 1941; completed October 10, 1942 \$299,588.11

Rail supports for Tank No. 2: Contract NAW-1230, Square Deal Machine Co. Started August 19, 1941; completed January 1, 1942 \$6,915.00

Rails for Tank No. 2: Contract NAW-1234, Globe Iron Construction Co. Started August 19, 1941; completed April 20, 1942 \$10,603.00