

COLGATE & COMPANY JERSEY CITY PLANT: D-6
(Colgate-Palmolive Company Jersey City Plant: D-6)
41 Sussex Street
Jersey City
Hudson County
New Jersey

HAER No. NJ-71-DD

HAER
NJ
9-JERCI,
18DD -)

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Northeast Field Area
Chesapeake/Allegheny System Support Office
National Park Service
U.S. Custom House
200 Chestnut Street
Philadelphia, PA 19106

HAER
NJ
9-JERC1,
18DD -

HISTORIC AMERICAN ENGINEERING RECORD

COLGATE & COMPANY JERSEY CITY PLANT: D-6*
(Colgate-Palmolive Company Jersey City Plant: D-6)

HAER No. NJ-71-DD

- Location:** 41 Sussex Street, Jersey City, Hudson County, New Jersey
- Significance:** D-6 was part of a three-structure bleaching and refining plant for oils and fats used in soap manufacture, c1941-86, along with adjacent buildings D-8 and D-9 (HAER Nos. NJ-71-EE and NJ-71-FF). Although not an individually significant structure, D-6 was significant as a component of the Colgate plant.
- Description:** D-6 was a six-story-plus-basement, reinforced concrete, utilitarian structure. Octagonal concrete columns on concrete bases divided the 37.9-by-94-foot structure along its longitudinal center into two north-south rows of six unequal bays. The five northernmost bays ranged in length from 15.2 to 19.1 feet; the 6-foot-wide southern bay was a stairwell. The columns, and 10.5- to 16-inch-thick exterior walls, supported a floor system of concrete-encased steel girders and concrete beams. On the Sussex Street exterior, small vertical strip windows illuminated a stairhall in the eastern bay and large horizontal multi-pane steel sash windows illuminated the main body of the building; the rear of the structure was illuminated with strips of steel sash multi-pane windows. The ground floor front exterior was composed of three bays; the center bay had an overhead and pedestrian door and a stair and truck platform adjacent to it; the flanking bays were four-pane individual steel sash windows set into blind round arches which once housed doors and loading platforms. A conveyor bridge against the building facade obscured the fourth floor. The irregular roofline consisting of a flat roof and an elevator bulkhead in the northwest corner had a coped edge (HAER No. NJ-71-CC, Figure 2; HAER No. NJ-71, D-6 (RIGHT), D-8 (CENTER), AND D-9 (LEFT) NORTH ELEVATIONS).

As part of the bleaching and refining plant, D-6 served primarily to separate and filter bleached tallow and coconut oil, prior to piping of this material to B Block for soap manufacture. Five 16-foot-diameter tanks for bleached material storage in the basement rose three stories through octagonal floor openings. There were also smaller basement tanks for receipt of bleached oil. Bleached material passed through a separator on the third floor and several filter presses on the fourth floor; the latter remained in place in 1987. The upper two floors were used for storage and collection of filter dust. There was a stairway in the northeast corner and an elevator in the northwest corner.

* Capitalized reference is to photograph included with a documentation package for HAER No. NJ-71.

COLGATE & COMPANY JERSEY CITY PLANT: D-6
(Colgate-Palmolive Company Jersey City Plant: D-6)
HAER No. NJ-71-DD (page 2)

History: Turner Construction Company built the structure c1908 for Delapenha Bros., a cheese- and/or oleomargarine-making firm, to a design by architects Bosworth & Holden. Original construction included cold-twisted square steel reinforcement bars, sometimes used in concrete structures built c1910-25. Several firms used the building for similar purposes until 1935, when Colgate-Palmolive-Peet purchased it. Colgate rehabilitated D-6 c1941-42 to enlarge its bleaching and refining facilities, with new work including added reinforcement for tanks, holes cut in floors, and new sash. D-6 was demolished early in 1990.

Sources:

Plans

All plans and drawings listed below are currently (1991) held by the Colgate-Palmolive Company. For access, researchers should contact the company's Office of Corporate Communications, 300 Park Avenue, New York, NY 10022.

Bosworth & Holder, Architects & Turner Construction Company

1908 Delapenha Bros., Jersey City, N.J. [12 sheets]:

225-1	Front Elevation	225-7	First Floor Plan
225-2	Rear Elevation	225-8	2nd, 3rd, 4th, 5th, & 6th Floor Plans
225-3	East Elevation		
225-4	West Elevation	225-9	Roof Plan
225-5	Footing Plan	225-10	Column Schedule
225-6	Basement Floor Plan & Basement Walls	225-11	Stair Details
		225-13	Partition Details, 4th, 5th, & 6th Fls.

Colgate-Palmolive-Peet Company

1936 Floor Plans 1st to 6th Floors Inclusive - Cheese Factory Bldg. Dwg. No. 1-030

1941a Clay Slurry (TK & Bleach) Vessel/Piping Details. Dwg. No. 2-0035.

1941b Oil Piping, [1st-4th floors, 4 drawings], Dwg. Nos. 2-0036, -0037, -0039, and 0042.

1941c Flow Diagram. Continuous Bleach Plant/"Progress Print." Dwg. No. 2-0058.

1941d Steam, Air, Water, Condensate & Waste Piping - Plan [basement - 5th floors, 5 drawings], Dwg. Nos. 2-0155 to 2-0159, inclusive.

1942a Exhaust Fan & Duct Work Assembly for Duct Collector. Dwg. No. 2-0168.

1942b Vent Piping for Tanks. Dwg. No. 2-0173.

COLGATE & COMPANY JERSEY CITY PLANT: D-6
(Colgate-Palmolive Company Jersey City Plant: D-6)
HAER No. NJ-71-DD (page 3)

- 1942c Instrument Flow Chart/Continuous Bleach Plant. Dwg. No. 2-0197.
1942d Control Wiring Details. Dwg. No. 2-0193.
1942e Elec. Wiring Details for Float Switches. 2-0181.

Farrier Company, The [Jersey City, NJ]

- 1942 Building D-6 for Colgate-Palmolive-Peet Co. [7 drawings of sprinkler system].

George E. Strehan, Consulting Engineer [New York, NY]

- 1941a Specifications for Rehabilitation & Alteration of Building D-6, 39-41 Sussex Street, Jersey City, N.J.....

- 1941b Building D-6, 39-41 Sussex Street, Jersey City, N.J...Project 621 [17 drawings]:

1	Front & West Elevations	10	Mechanical Plan of Basement
2	Rear & East Elevations	11	Mechanical Plan of First Floor
3	Plan of Basement	12	Mechanical Plan of Second Floor
4	Plan of First Floor	13	Mechanical Plan of Third Floor
5	Plan of Second Floor	14	Mechanical Plan of Fourth Floor
6	Plan of Third Floor	15	Mechanical Plan of Fifth Floor
7	Plan of Fourth Floor	16	Mechanical Plan of Sixth Floor
8	Plan of Fifth Floor	17	Longitudinal & Transverse Section
9	Plan of Roof		

Interview

Colgate-Palmolive engineer Theodore Mrowzinski supplied information on the steel reinforcement found in D-6 when the structure was demolished.

Bibliography

Associated Mutual Insurance Company

- 1922 Colgate & Co. (Soap and Toilet Supplies). Surveyed November 8, 1922.

Carnegie Steel Company

- 1917, Pocket Companion for Engineers, Architects and Builders...
1923 Appertaining to the use of Steel. Pittsburgh.

Colgate-Palmolive Company

- n.d. List of dated purchases, Block 35 [D Block], Jersey City, NJ.
On file, Real Estate Department.

Factory Mutual Engineering Association - Factory Mutual System.

- 1962-79 Colgate-Palmolive Company. "Jersey City Plant." Serial No. 70516-B, Index 29368.

COLGATE & COMPANY JERSEY CITY PLANT: D-6
(Colgate-Palmolive Company Jersey City Plant: D-6)
HAER No. NJ-71-DD (page 4)

Hopkins, C.M., & Co.

1908 Atlas of Hudson County, New Jersey, Vol. 1. Philadelphia.

1919 Atlas of Hudson County, New Jersey, Vol. 1. Philadelphia.

1928 Atlas of Hudson County, New Jersey, Vol. 1. Philadelphia.

Sanborn Map Company

1938 Hudson County, N.J./Jersey City/Volume One. New York.

Historians:

Michael S. Raber
Raber Associates
81 Dayton Road, South Glastonbury, CT 06073

Ulana D. Zakalak
Zakalak Associates
57 Cayuga Avenue, Oceanport, NJ 07757

Gerald Weinstein
Photo Recording Associates
40 West 77th Street
New York, NY 10024

COLGATE & COMPANY JERSEY CITY PLANT: D-6
 (Colgate-Palmolive Company Jersey City Plant: D-6)
 HAER No. NJ-71-DD (page 5)

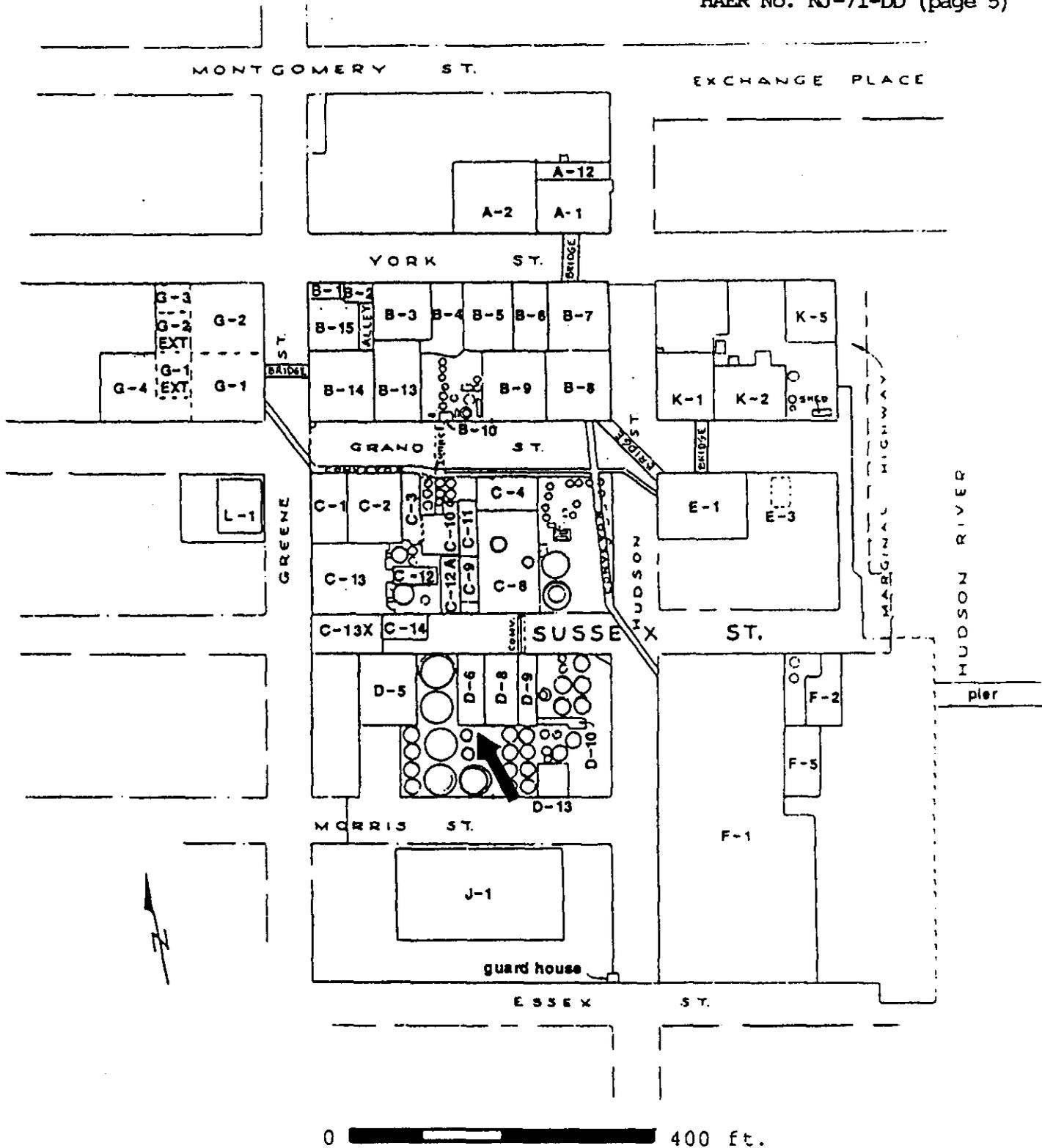


Figure 1. LOCATION OF D-6 AT COLGATE JERSEY CITY PLANT