



**US Army Corps  
of Engineers**®  
Detroit District

## HARBOR INFRASTRUCTURE INVENTORIES Waukegan Harbor, Illinois



**Harbor Location:** Waukegan Harbor is located on the west shore of Lake Michigan in Waukegan, Lake County, Illinois; approximately 45 miles north of Chicago Harbor in Chicago, Illinois.

**Authority:** River & Harbor Acts of 1800, 1882, 1902, 1945, 1965, and 1970.

**Project Description:** The harbor is protected by 6,051 linear feet of timber crib, steel sheet pile, or concrete caisson breakwater structures and 1,076 linear feet of steel pile revetment. Longest fetch and direction: 265 miles, north-northeasterly. Maximum Recorded Wave Height: 21.7ft (1979). The Typical Storm Wave (2-yr offshore wave) is 16.1ft.

**Traffic:** 585,962 tons (5-Year average, 2004-2008)

**Transportation Importance:** Commercial businesses including National Gypsum Drywall Plant, LaFarge Cement Terminal and St. Mary's Cement are located on the harbor with port access for shipping commodities.

### Congressional Interest:

- Representative Robert Dold, R-IL-10
- Senator Richard Durbin D-IL
- Senator Mark Kirk R-IL

**Current Condition Assessment: D**



**Date of Site Visit:** 17 September 2010

**Summary of Impact:** The immediate impact of a breach and/or overtopping of the breakwaters would be upon Waukegan Harbor Marina. Significant wave activity within the harbor could damage any vessel docked at the Waukegan Harbor Marina. Additionally, any breach in the breakwater could potentially increase the rate of shoaling within the federal and private channels, resulting in limited navigability for recreational vessels. The Coast Guard operates out of the Port District owned marina, which would be impacted if the marina was damaged. The shore structure with the greatest exposure is the Waukegan Harbor Marina and the City of Waukegan – Water Plant. Other shore structures subject to inundation are the Coast Guard Station, Waukegan Yacht Club, and numerous industrial facilities.

**Description of Infrastructure:**



**1. Waukegan Harbor Marina:** Waukegan Harbor Marina is a Waukegan Port District owned marina consisting of nearly 1,000 seasonal and transient slips. Rates vary from \$1,619 to \$6,579 a season depending on the size and location of the slip. The harbor is comprised of a series of floating docks and timber docks.



**2. Akzo Nobel Aerospace Coating – R&D Facility:** Akzo Nobel Aerospace Coatings, a division of International Paint, LLC, has its global headquarters located at Waukegan Harbor. Akzo is the largest coatings manufacturer in the world and a global leader in Aerospace Coatings. The Waukegan Harbor facility is a heavy industrial chemical plant which produces aerospace coatings, primers, topcoats and micas and employs 185 employees.



**3. Bait and Tackle – Boating Supplies:** Bait and Tackle – Boating Supplies, built on Waukegan Port Authority property, offers a wide variety of fishing services including boating and fishing supplies.



**4. U.S. Coast Guard (Waukegan Flotilla 3-5):** U.S. Coast Guard Auxiliary (Waukegan Flotilla 3-5) situated in Waukegan, Illinois for over 30 years has served over 5,000 local area boaters and transients with vessel examinations, public education classes, life-saving search and rescue, and communications. The U.S. Coast Guard (Waukegan Flotilla 3-5) is located on Waukegan Port District property.



**5. Harbor House:** Harbor House operates nine fish charters, a gift shop, and an eatery. The Harbor House is located on Waukegan Port District property.



**6. Waukegan Yacht Club:** The Waukegan Yacht Club was founded in 1927 to promote yachting and yacht racing. The Waukegan Yacht Club presently is a one-story, full-service facility in Waukegan Harbor. The Waukegan Yacht Club is located on Waukegan Port District property.



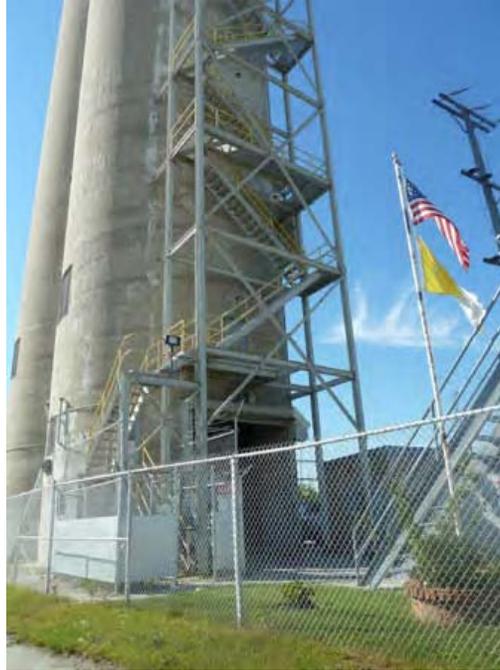
**7. LaFarge Corporation – Cement Group:** LaFarge Corporation – Cement Group produces a wide range of cements, hydraulic binders and limes for construction, renovation and public works. The Waukegan Distribution Terminal employs 8 employees and has an annual distribution of approximately 320,000 tons (2010). The terminal is involved in inter-terminal distribution as well as distributions throughout the Midwest and Great Lakes.



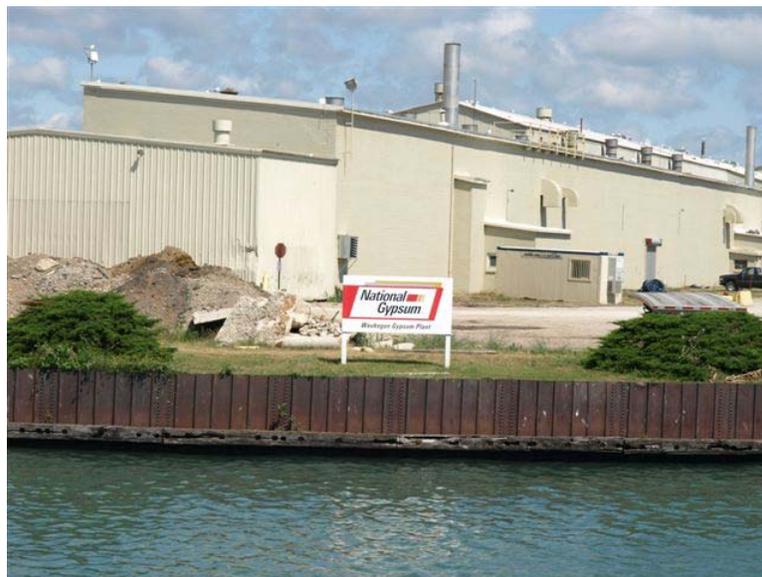
**8. Lordahl Engineering Co.:** Lordahl Engineering Company is a private electrical engineering company with annual revenue of \$2.5 to \$5 million and employs a staff of 20 to 49.



**9. St. Mary's Cement, Inc.:** St. Mary's Cement Inc. is a leading manufacturer of cement and related construction products in the United States and Canada and estimates it will distribute approximately 80,000 tons of products out of the Waukegan Distribution Terminal in 2011. The Waukegan Terminal of St. Mary's Cement, Inc. is located on Waukegan Port District property.



**10. National Gypsum Co.:** National Gypsum Company's primary business is gypsum board. The company has 17 gypsum board plants located throughout the United States. The Waukegan Harbor facility is a wallboard plant with approximately 100 employees and estimates 70,000 tons of stone will be received into this facility in 2011.



**11. Larsen Marine, Inc.:** Larsen Marine Service is a 16 acre boatyard and marina located in Waukegan Harbor, which is one of the three largest boatyard and marina facilities on the western shore of Lake Michigan. As a full service marine center for deeper draft recreational vessels, the Larsen Marine Service Waukegan facility deals in new and used boat purchases, full-service boat and ship repair, complete ship storage and boat parts.



**12. Bombardier Motor Corp US, Inc.:** The Bombardier Motor Corp (BRP) is a manufacturer of outboard engines. The Waukegan location also serves as a boat building and repair facility.



**13. City of Waukegan – Water Plant:** The City of Waukegan’s Water Plant serves as the city’s water treatment facility. The present filtering capacity at the treatment plant is 18 million gallons daily, with a short period run capacity of 24 million gallons daily (2010). Waukegan has the capacity to supply water to the developing parts of Lake County in the future.



**14. City of Waukegan – Beach House:** The Waukegan Beach Pavilion was constructed in July of 1946 by the Sears, Roebuck and Company and was donated to the people of Waukegan.



**Potential Impact Area:** The following graphic displays property parcels that could be impacted within various zones defined by different setbacks from the shoreline behind existing Federal coastal structures. Values are based on real property tax assessments from these parcels, and don't reflect any detailed coastal zone damage assessments. Figures simply reflect property values at various setbacks.

