



Summary of Notification/Cleanup Plan for PCB Sites Associated with Building 680

**Presented to Restoration Advisory Board
June 25, 2009**



CH2MHILL



Agenda

- **Purpose of Meeting**
- **Site Identification and Background**
- **Proposed Remedies**
- **Schedule**

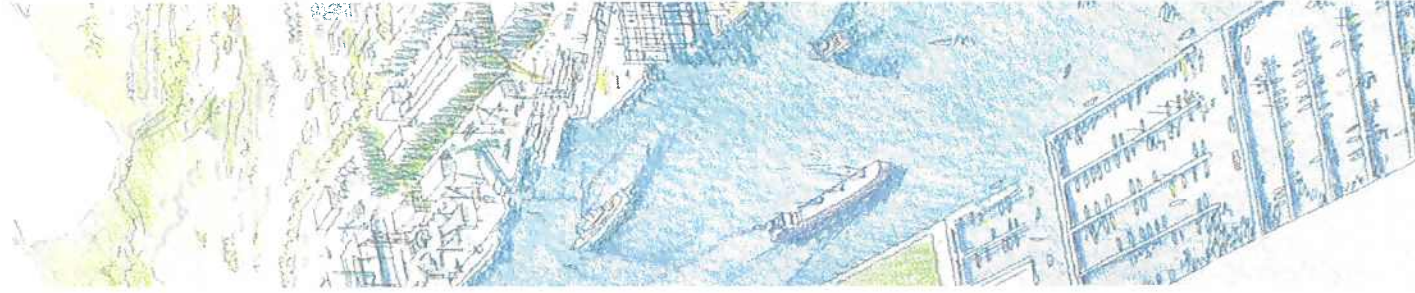


Purpose of Meeting

- **Provide an overview of the planned actions at multiple PCB sites in Building 680 (B680)**
 - Site Description and Background
 - Notification/Cleanup Plan submitted for agency review on May 22, 2009
 - Provide Status of Agency Comments
- **Present tentative schedule for proposed work at B680**

Site Identification and Background

- **Building 680**
 - Located in Investigation Area C2
 - Near intersection of Nimitz Avenue and Oklahoma Street
 - Constructed in 1936 and used as an industrial shop (assembly, fabrication, tooling, repair, maintenance, and testing of submarine machinery)
 - Surrounding area designated for future industrial reuse





Site Identification and Background

- **Three PCB sites listed in Consent Agreement:**

- PCB Site Building 680 AL#01 – first floor of building
- PCB Site Building 680 Mezzanine Level
- PCB Site Building 680 Fifth Floor

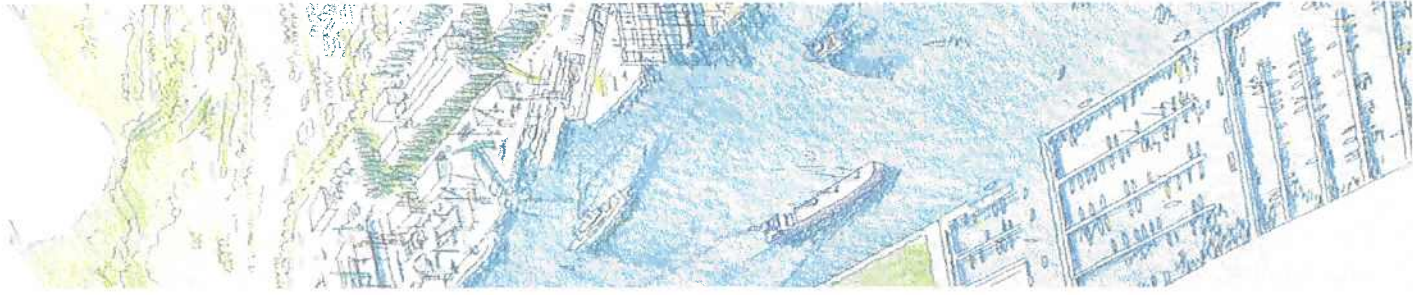
- **Forty-five previously unidentified PCB sites:**

- Five deep maintenance bays
- Eighteen shallow machine bays
- Two electrical vaults
- Nineteen elevated transformer platforms
- One elevated wooden capacitor platform (removed by Navy)



PCB Site Building 680 AL#01

- **The first floor of Building 680 – concrete, asphalt, and wood block flooring**
- **Building footprint is approximately 226,000 square feet (sf); wood block floor is approximately 134,000 sf**
- **Sample Summary (pg 6 of Not/CP)**
 - Sampling and/or removal events occurred between 1996 and early 2009; 240 samples collected; max remaining: 42 mg/kg; max indoor air: 9.6 ng/m³



PCB Site Building 680 AL#01



Wood Block Flooring



PCB Site Building 680 Mezzanine Level

- **Three transformer substations**
 - Substation A1 provides power to Building 680 (not currently in use)
 - Substation A2 is in use and provides power to adjacent Building 688
 - Substation A3 is not currently in use
- **A secure fence exists around all three substations to prevent unrestricted access**
- **Sample Summary (pgs 7, 8, and 9 of Not/CP)**
 - Sampling and/or removal events occurred between 1996 and early 2004; 76 samples collected; max remaining: 330 mg/kg; max indoor air: 19 ng/cm³

PCB Site Building 680 Mezzanine Level

Fence securing mezzanine substations (typ)



Substation A1

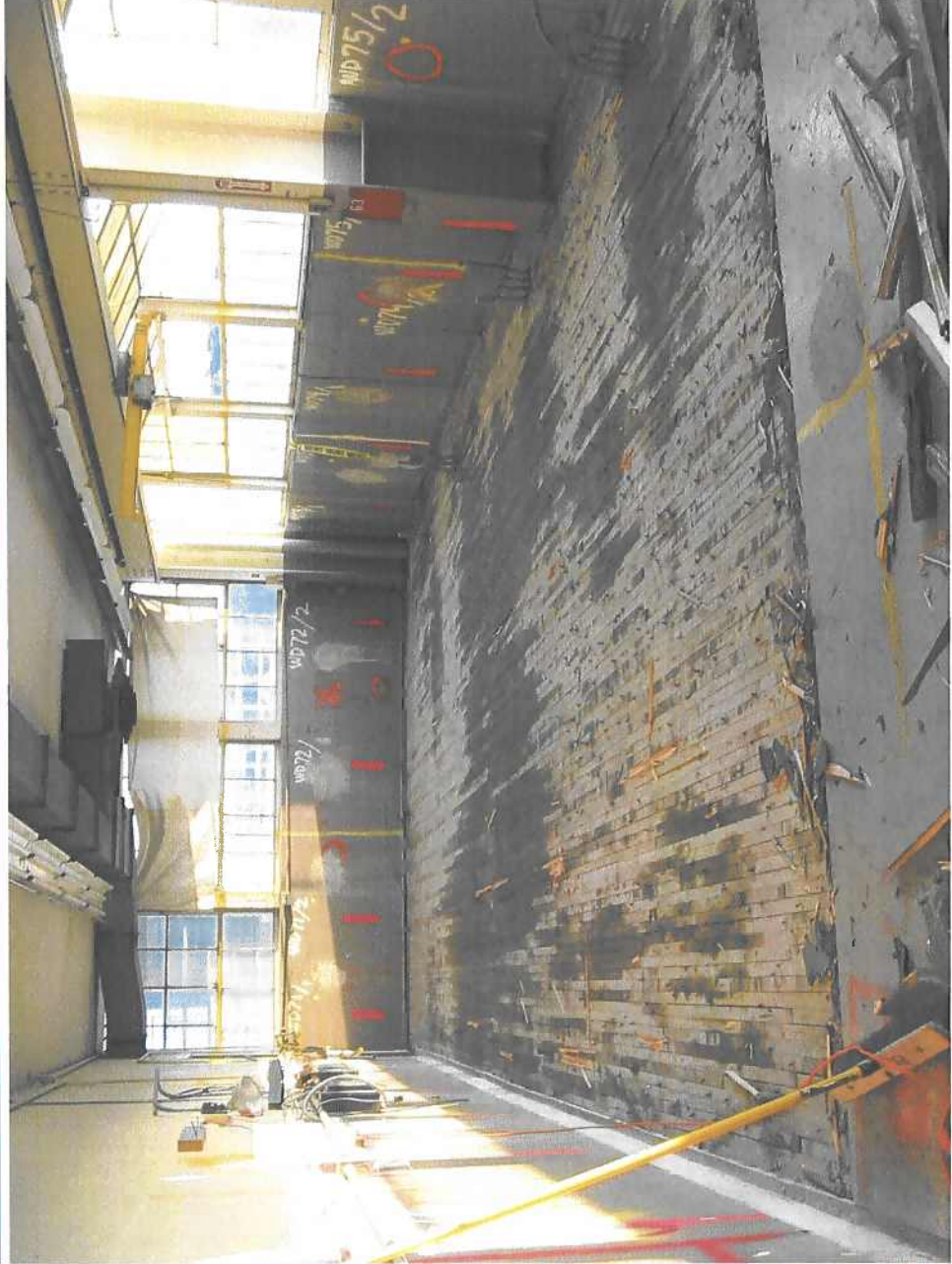


PCB Site Building 680 Fifth Floor

- Accessible by an elevator and stairwell
- The only identified potential source of PCB contamination is the former machine shop (approximately 21 by 46 feet), which has a wood floor
- Sample Summary (pg 10 of Not/CP)
 - Sampling and/or removal events occurred between 1996 and early 2009; 59 samples collected; max remaining: 0.74 mg/kg; max indoor air: 3.8 ng/m³



PCB Site Building 680 Fifth Floor

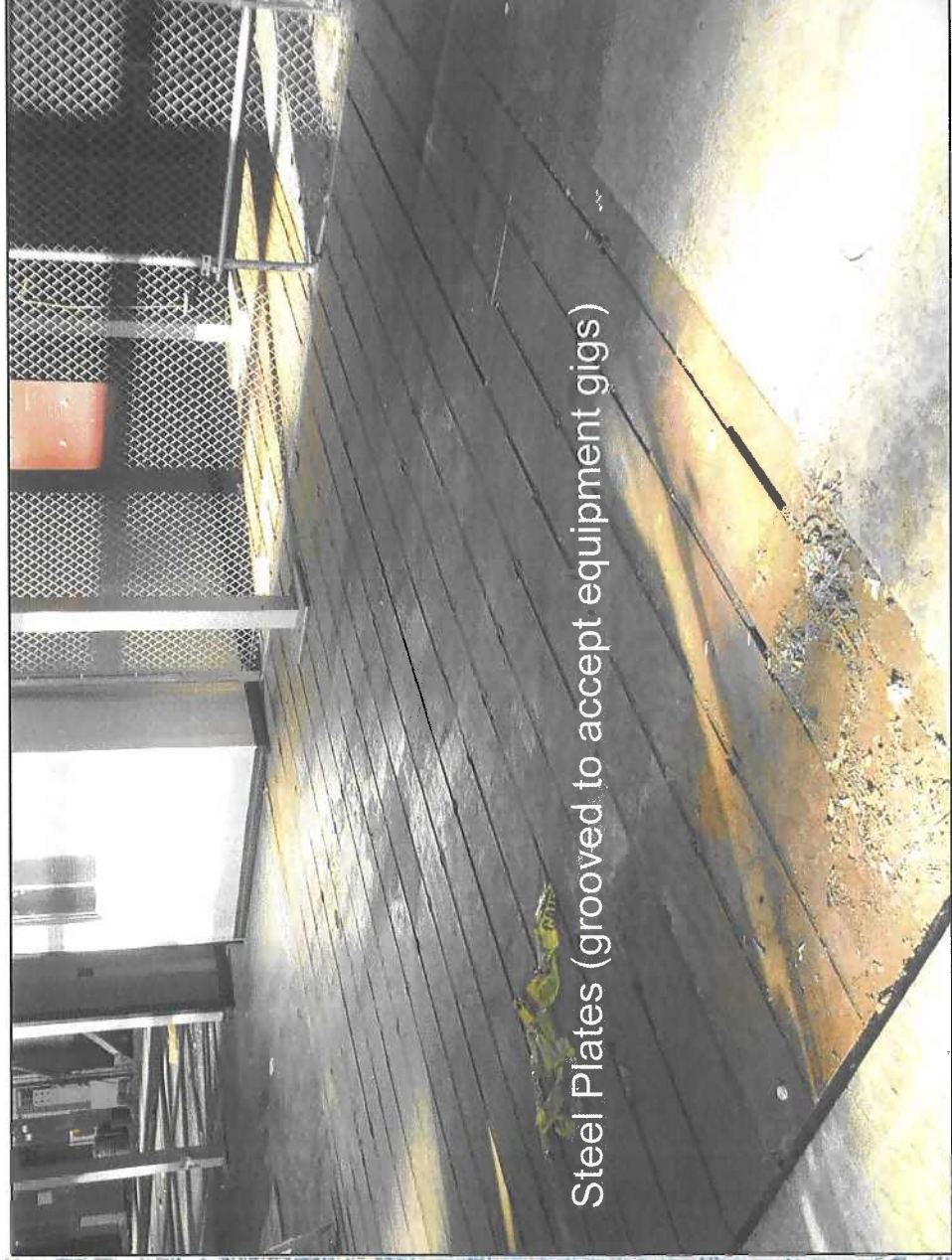




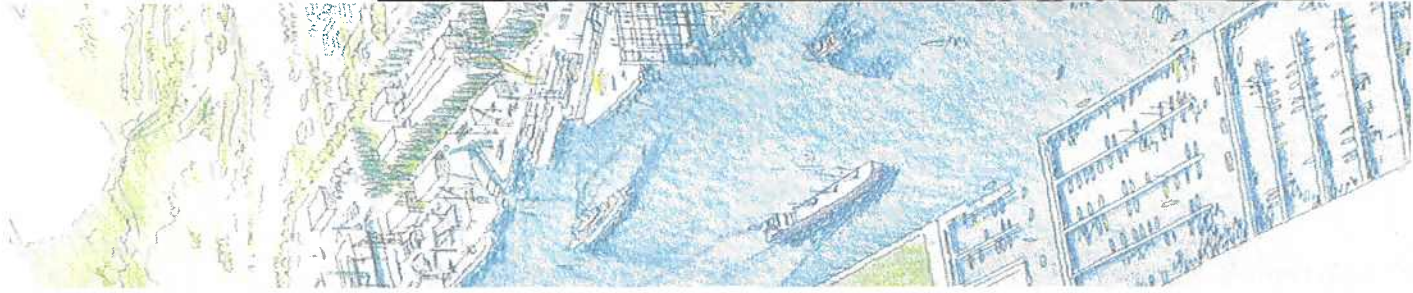
Deep Maintenance Bays

- **Five deep maintenance bays – depths range from 6 to 8 feet below the first floor**
- **Unknown historical use, but PCB-containing equipment or liquids were likely associated with their use**
- **All deep maintenance bays are covered with steel plates (likely part of an equipment gig system)**
- **Sample Summary (pg 12 of Not/CP)**
 - Sampling and/or removal events occurred between 1996 and 2006; 111 samples collected; max remaining: 25 mg/kg (380 mg/kg in soil)

Deep Maintenance Bays



PCB Site
Building 680
UL#09 (typ)





Shallow Machine Bays

- **Eighteen shallow machine bays – depths range from 0.5 foot to 3 feet below the first floor**
- **Shallow machine bays likely supported PCB-containing equipment (e.g., PCB-oil) used in Building 680**
- **Sample Summary (pg 16 of Not/CP)**
 - Sampling and/or removal events occurred between 1995 and 2008; 105 samples collected; max remaining: 29 mg/kg; max wipe: 84 ug/100 cm²

Shallow Machine Bays

PCB Site Building 680 UL#12



PCB Site Building 680 UL#24



Elevated Transformer Platforms

- **Nineteen elevated transformer platforms (located above the first floor)**
- **Platforms made of nonporous materials, such as steel**
- **One elevated wood capacitor platform was removed by the Navy**
- **Sample Summary (pg 17 of Not/CP)**
 - Sampling and/or removal events occurred between 1996 and 2004; 19 wipe samples collected; max remaining: 170 ug/100 cm²

