
San Francisco Bay Regional Water Quality Control Board

April 15, 2015 (EKW)
GeoTracker Parent ID: T0609560708

Department of the Navy
BRAC Program Management Office
Attn. Ms. Janet Lear
1455 Frazee Road, Suite 900
San Diego, CA 92108-4301
Via Email: janet.lear@navy.mil

Subject: Transmittal of Tentative Order – Rescission of Order No. 87-170 for Historical Waste Management Units, Former Mare Island Naval Ship Yard, Vallejo, Solano County

Dear Ms. Lear:

Attached is a Tentative Order for the subject site that rescinds historical Order 87-170 that was issued to the Navy. The Order named eighteen sites, identified as “waste management units,” across Mare Island. Many of these sites have been remediated and closed. Those that have not been closed are being addressed by the Navy and Lennar Mare Island, LLC (LMI), under current agreements¹ and Site Cleanup Requirements² under the oversight of the California Department of Toxic Substances Control (DTSC) and/or the Regional Water Board.

This matter will be considered by the Regional Water Board during its regular meeting on June 10, 2015. The meeting will start at 9:00 am and will be held in the first floor auditorium of the Elihu Harris Building, 1515 Clay Street, Oakland, California. Any written comments by you or interested persons must be submitted to the Regional Water Board offices by 5:00 pm, May 15, 2015. Comments submitted after this date will not be considered by the Regional Water Board.

If you have any questions, you can contact me via phone at (510) 622-2440 or via email at ewells@waterboards.ca.gov.

Sincerely,

Elizabeth K. Wells, P.E.
Water Resource Control Engineer

Attachment: Tentative Order

¹ Consent Agreement signed by City of Vallejo, DTSC, and LMI, April 16, 2001, and Federal Facility Site Remediation Agreement signed by Navy, DTSC, and Regional Water Board, 2002.

² Regional Water Board Order R2-2002-1015 issued to Navy and LMI

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Cc w/attachment (via Email):

Department of the Navy

Ms. Heather Wochnick – heather.wochnick@navy.mil

Department of Toxic Substances Control

Ms. Janet Naito – jnaito@dtsc.ca.gov

Mr. Patrick Hsieh – patrick.hsieh@dtsc.ca.gov

Mr. Allan Fone – allan.fone@dtsc.ca.gov

U.S. Environmental Protection Agency

Ms. Carolyn D'Almeida – dAlmeida.carolyn@epa.gov

Sullivan International Group

Ms. Jessica Cooper – jcooper@onesullivan.com

Lennar Mare Island

Neal Siler – neal.siler@lennar.com

Sheila Roebuck – sheila.roebuck@lennar.com

RAB Co-Chair & Community Member

Ms. Myrna Hayes – myrnahay@pacbell.net

RAB Community Members

Mr. Maurice Campbell – mecsoft@pacbell.net

Mr. Miguel Buchwald – Miguellnsa@gmail.com

Mr. Michael R. Coffey – acoffeyboy@hotmail.com

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Ms. Paula Tygielski – paulatyg@yahoo.com

Mr. Chris Rasmussen – phecda@comcast.net

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

TENTATIVE ORDER No. R2-2015-XXXX

RESCISSION OF ORDER No. 87-170 for:

DEPARTMENT OF THE NAVY
FORMER MARE ISLAND NAVAL SHIPYARD
VALLEJO, SOLANO COUNTY

for the:

HISTORICAL WASTE MANAGEMENT UNITS

The California Regional Water Quality Board, San Francisco Bay Region (Regional Water Board), finds that:

Site Description and History

1. Mare Island was entirely owned by the U.S. Navy (Navy) and used as a naval shipyard from 1854 until it was officially closed in April 1996. The primary activities on the site were ship and submarine construction, modernization, and repair. Heavy industrial activities occurred primarily on the east side of the island, adjacent to Mare Island Strait. Portions of Mare Island have been transferred to Lennar Mare Island, LLC (LMI), and the City of Vallejo.
2. In 1987, the Regional Water Board issued Order No. 87-170 pertaining to eighteen sites at Mare Island (Figure 1). Order No. 87-170 required compliance with specifications for waste storage, handling, and treatment design criteria; implementation of groundwater monitoring programs; and submittal of various work plans and reports.
3. The eighteen sites are identified in the Order No. 87-170 as “waste management units.” Since 1987, the Navy and LMI have conducted extensive investigation and remediation activities at Mare Island, including at the waste management units cited in the 1987 Order.
4. The following agreements and Site Cleanup Requirements require continued environmental cleanup by the Navy and LMI under the oversight of DTSC and/or the Regional Water Board. They supersede Order No. 87-170 and are part of the basis and rationale for this rescission order.
 - a. On April 16, 2001, LMI, the City of Vallejo, and the California Department of Toxic Substances Control (DTSC) signed a Consent Agreement.
 - b. In 2002, the Navy, DTSC, and Regional Water Board signed a Federal Facility Site Remediation Agreement (FFSRA).
 - c. On October 16, 2002, the Regional Water Board adopted Site Cleanup Requirements (Order No. R2-2002-0105) for the Navy and LMI.
5. The name, description, and current status of each waste management unit cited in the 1987 Order are presented in the table below.

Waste Management Unit/Site ID	Description	Closure and Regulatory Status
A. Former Facility Landfill	100 acres, operation started in 1900s, inert and hazardous wastes	Landfill closed – long-term monitoring and maintenance and land use controls; DTSC oversight under FFSRA
B. Former Sanitary Landfill	30-acre portion of Facility Landfill, waste included non-hazardous and hazardous wastes	Landfill closed – long-term monitoring and maintenance and land use controls; DTSC oversight under FFSRA
C. Former Industrial Waste Treatment Ponds	2 ponds used to store sludge, 2 ponds to blend wastewaters; unlined until 1980s	Ponds closed – long-term monitoring and maintenance and land use controls; DTSC oversight under FFSRA
D. Former Oil Sumps	2 unlined sumps, waste oil disposal 1942 to 1964	Sumps closed – long-term monitoring and maintenance and land use controls; DTSC oversight under FFSRA
E. “A” Street Lead Oxide Contamination	Storage area for batteries destined for off-site disposal	Site closed – long-term monitoring and maintenance and land use controls; DTSC oversight under FFSRA
F. 900 Area (IR Site 04)	Sandblasting area, started use in 1952; majority of spent abrasives disposed at Facility Landfill	Site open – investigation/feasibility study; DTSC and Regional Water Board oversight under FFSRA
G. Concord Annex (IR Site 05/Dredge Pond 7S)	Ordnance manufacturing and handling facility, 1857 to 1974	Site open – investigation/feasibility study; DTSC and Regional Water Board oversight under FFSRA
H. Berths 4 and 5 (IR Site 03)	Possible oil contamination of groundwater in area of berths	Site open – investigation/remediation; Regional Water Board oversight under SCR Order R2-2002-0105
I. Tank 772	Partially buried oil tank	Tank closed – no further action; Regional Water Board
J. Building 629 Battery Storage Area	Storage area for batteries destined for off-site disposal	Site closed – no further action; DTSC
K. PCB Contaminated Area 1 (SWMUs 26 and 52, IR Site 10)	Storage yard adjacent to Building 831	Site closed – no further action with land use controls; DTSC
L. PCB Contaminated Area 2 (IR Site 11)	IW sewer line between Building 866 and the IWTP	Site closed – no further action with land use controls; DTSC
M. PCB Contaminated Area 3	Storm drain sump in Building 516	Site closed – no further action with land use controls; DTSC
N. PCB Contaminated Area 4 (IR Site 13)	Area behind Building 433	Site closed – no further action with land use controls; DTSC

Waste Management Unit/Site ID	Description	Closure and Regulatory Status
O. Basewide IWTP Collection System (IR Site 14)	Spent abrasives reported used as piping bedding material	Site closed – no further action with land use controls; DTSC
P. T-3 Acid Tank Area (IR Sites 07/20)	Four partially buried tanks to neutralize battery acids	Site closed – no further action with land use controls; DTSC
Q. Building 225 Area (IR Site 15)	Metal plating shop with waste chromic acid tank	Site open – remediation and monitoring; DTSC oversight under Consent Agreement
R. Building 334 Area (IR Site 09)	Former paint shop, four tanks storing oil, alcohol, waste paints, and turpentine	Site open – long term monitoring and maintenance and land use controls; DTSC oversight under Consent Agreement

Regulatory History

6. On December 16, 1987, the Regional Water Board adopted Waste Discharge Requirements (WDRs) Order No. 87-170. Order No. 87-170 established WDRs for the multiple sites listed above, requiring compliance with waste unit design specifications and submittal of technical reports. In addition, the 1987 Order updated and expanded upon the requirements of Cleanup and Abatement Order (CAO) 85-019. The Regional Water Board rescinded CAO 85-019 in February 2014.
7. Order No. 87-170 required compliance with specifications for waste storage, handling, and treatment design criteria associated with site-specific geologic conditions. Order No. 87-170 also required the implementation of groundwater monitoring programs at nine of the sites. At the remaining nine sites, Order No. 87-170 specified that the sites shall not adversely impact groundwater or surface water. Order No. 87-170 also required submittal of various work plans and reports, including Reports of Waste Discharge, to characterize site conditions, describe waste handling and disposal practices, and document cleanup procedures.

Basis for Rescission

8. Order No. 87-170 established WDRs for multiple sites at Mare Island. Many of the sites have been remediated and closed. Those that have not been closed are being addressed by the Navy under the FFSRA or by LMI under the Consent Agreement and Order No. R2002-0105 overseen by DTSC and/or the Regional Water Board.

CEQA, Notification, and Public Hearing

9. The rescission of Order No. 87-170 is not a “project” as defined in the California Environmental Quality Act (CEQA). There is no possibility that the activity in question may have a significant effect on the environment. (Cal. Code Regs., tit. 14, §§ 15378 and 15061, subd. (b) (3).)

10. The Regional Water Board has notified the Navy and interested agencies and persons of its intent to rescind Order No. 87-170 and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the proposed rescission of WDRs for the historical waste management units.

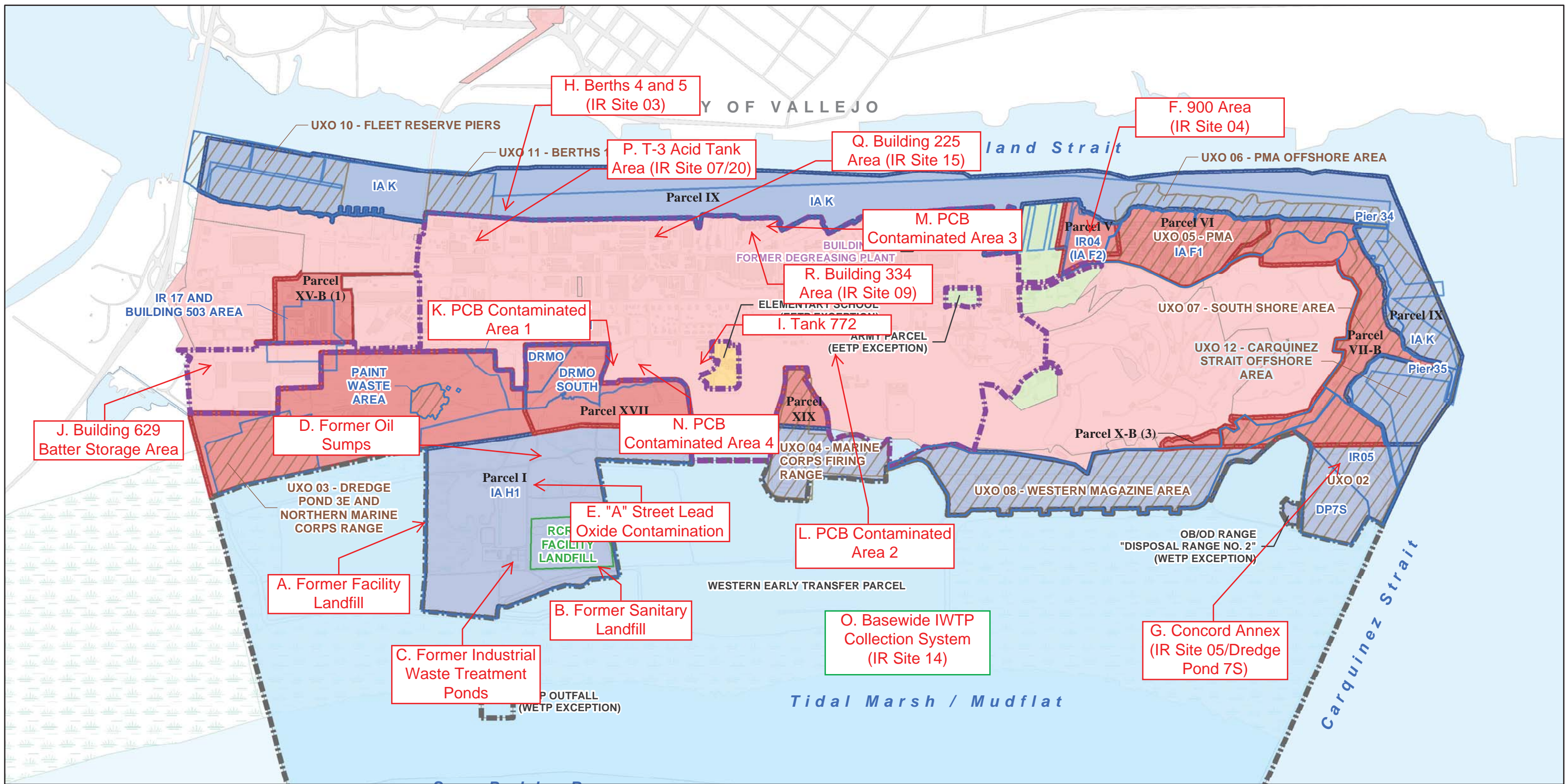
California Safe Drinking Water Policy

12. It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This rescission promotes that policy because the Navy has ensured that any potential contamination from the waste management units present in groundwater that is suitable or potentially suitable for municipal or domestic supply (i.e., that does not meet the exceptions for Resolution 88-63) will not cause exceedances of the maximum contaminant levels (MCLs) designed to protect human health and ensure that water is safe for domestic use. The waste management units have been or are being remediated, engineered, and closed to eliminate contact with surface water and groundwater beyond their footprints, which ensures that waste remaining in place will not impact any water supply wells or migrate beyond the footprints at concentrations greater than the MCLs.

IT IS HEREBY ORDERED that Order No. 87-170 is rescinded.

I, Bruce H. Wolfe, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on _____, 2015.

Bruce H. Wolfe
Executive Officer

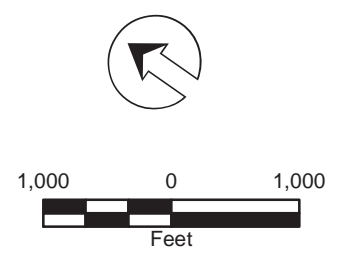


- EETP NAVY-RETAINED CONDITION
- MUNITIONS RESPONSE PROGRAM AREA
- INVESTIGATION AREA OR IR SITE
- RCRA / FACILITY LANDFILL
- EASTERN EARLY TRANSFER PARCEL
- WESTERN EARLY TRANSFER PARCEL

- TRANSFER PARCEL STATUS**
- EDC - NOT TRANSFERRED
 - REVERSIONARY - NOT TRANSFERRED
 - EDC - TRANSFERRED
 - FED-TO-FED - NOT TRANSFERRED
 - FED-TO-FED - TRANSFERRED
 - PBC - TRANSFERRED
 - REVERSIONARY - TRANSFERRED

Notes:

DRMO Defense Reutilization and Marketing Office
 EDC Economic development conveyance
 EETP Eastern Early Transfer Parcel
 FED Federal
 IA Investigation Area
 IR Installation Restoration
 OB/OD Open Burning/Open Detonation
 PBC Public benefit conveyance
 PCB Polychlorinated biphenyl
 PMA Production Manufacturing Area
 SSTP Sanitary Sewer Treatment Plant
 UXO Unexploded Ordnance
 WETP Western Early Transfer Parcel



Mare Island, Vallejo, California
 Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 1
IR SITES AND MUNITIONS RESPONSE PROGRAM AREAS

Attachment C, FFSRA for Mare Island