

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

RESOLUTION NO. 99-12

A RESOLUTION ESTABLISHING INTERIM SHIPYARD SEDIMENT  
CLEANUP LEVELS  
FOR  
SOUTHWEST MARINE, INC.  
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. Southwest Marine, Inc. (Southwest Marine) is a shipyard in San Diego Bay, which is engaged in a process of assessing and removing sediments that have high concentrations of pollutants adjacent to their facility. The concentrations of these pollutants cause or threaten to cause a condition of pollution in San Diego Bay by impairing the benthic organisms, which are protected by the Marine Habitat Beneficial Use (MAR).
2. The Marine Habitat Beneficial Use is designated for San Diego Bay in the *Water Quality Control Plan for the San Diego Basin* (Basin Plan). The Marine Habitat Beneficial Use (MAR) includes uses of water that support marine ecosystems and benthic organisms are part of the marine ecosystem.
3. The Regional Board must establish cleanup levels for Southwest Marine which protect the beneficial uses and abate the threat of pollution in San Diego Bay.
4. Southwest Marine and Campbell Industries Marine Construction and Design Company (Campbell Industries) are shipyards adjacent to San Diego Bay, which have similar site activities, waste materials, and matrices (i.e. paint). These shipyards are located along the northeast side of San Diego Bay and are influenced by a similar suite of pollutants from off-site.
5. Shelter island Boatyard is a boatyard in America's Cup Harbor in San Diego Bay, which has site activities, waste materials, and matrices (i.e. paint) that are similar those at a shipyard, although on a smaller scale.
6. The following interim cleanup levels were established using studies conduct at Campbell Industries and Shelter Island Boatyard. These interim cleanup levels are protective of water quality and beneficial uses of the bay and are appropriate for Southwest Marine:

CONSTITUENT	BAY SEDIMENT (mg/kg) Dry Weight
Copper	810
Zinc	820
Lead	231
PCB's	0.95
Mercury	4.2

7. Cleanup levels established for shipyard wastes are not necessarily appropriate for wastes from other sources, even if the waste contains some of the same pollutant constituents.
8. Indicator chemicals are used to predict the most likely location of elevated levels of pollutants in the sediment. Indicator chemicals are chosen by identifying chemicals which are commonly elevated and which co-occur with other elevated chemicals. The goal is for cleanup of sediment containing elevated levels of the indicator chemicals to also result in cleanup of areas with elevated levels of any other pollutants.
9. Copper, zinc, lead, mercury, and PCBs are appropriate indicator chemicals for Southwest Marine for the purposes of bay sediment cleanup. It is expected that any other pollutants at elevated concentrations will be removed with the indicator chemicals.
10. The interim shipyard cleanup levels for Southwest Marine below are in conformance with Resolution No. 92-49, *Policies and Procedures for Investigation and Cleanup and Abatement of Discharges*. These interim cleanup levels are consistent with appropriate levels set by the Regional Board for analogous discharges that involve similar wastes, site characteristics, and water quality considerations as required by Section II.A.9 of Resolution 92-49.
11. The interim shipyard cleanup levels for Southwest Marine below are in conformance with State Board Resolution 68-16, *Statement of Policy with Respect to Maintaining High Quality Waters in California..* The interim cleanup levels are consistent with the maximum public benefit and will not unreasonably affect beneficial uses because the interim cleanup levels were derived to protect beneficial uses for the public benefit. Water quality is not expected to be less than that prescribed in the policies as a result of these interim cleanup levels.
12. The Regional Board has notified the discharger and all known interested parties of its intent to establish shipyard sediment cleanup levels for Southwest Marine.

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- 13. The San Diego Unified Port District (Port District) owns the land where Southwest Marine is located. The Port District has been notified of this proposed Regional Board action and have been provided with the opportunity to participate pursuant to Water Code Section 13307.
- 14. This action is exempt from the requirements of the California Environmental Quality Act (Public Resources Code 21000 et seq.) in accordance with Title 14, California Code of Regulations, Chapter 3, Section 15270.
- 15. The Regional Board, in a public meeting, heard and considered all comments pertaining to the proposed action.

NOW THEREFORE BE IT RESOLVED THAT,

- 1. The following indicator chemicals and interim cleanup levels are applicable to the cleanup of bay bottom sediment at Southwest Marine:

CONSTITUENT	BAY SEDIMENT (mg/kg) Dry Weight
Copper	810
Zinc	820
Lead	231
PCB's	0.95
Mercury	4.2

*I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on March 10, 1999.*

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JOHN H. ROBERTUS  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

RESOLUTION NO. 99-20

A RESOLUTION ESTABLISHING INTERIM SHIPYARD SEDIMENT  
CLEANUP LEVELS  
FOR  
NATIONAL STEEL AND SHIPBUILDING COMPANY  
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. National Steel and Shipbuilding Company (NASSCO) is a shipyard in San Diego Bay, which is engaged in a process of assessing and removing sediments that have high concentrations of pollutants adjacent to their facility. The concentrations of these pollutants cause or threaten to cause a condition of pollution in San Diego Bay by impairing the benthic organisms, which are protected by the Marine Habitat Beneficial Use (MAR).
2. The Marine Habitat Beneficial Use is designated for San Diego Bay in the *Water Quality Control Plan for the San Diego Basin* (Basin Plan). The Marine Habitat Beneficial Use (MAR) includes uses of water that support marine ecosystems and benthic organisms are part of the marine ecosystem.
3. The Regional Board must establish cleanup levels for NASSCO which protect the beneficial uses and abate the threat of pollution in San Diego Bay.
4. NASSCO and Campbell Industries Marine Construction and Design Company (Campbell Industries) are shipyards adjacent to San Diego Bay, which have similar site activities, waste materials, and matrices (i.e. paint). These shipyards are located along the northeast side of San Diego Bay and are influenced by a similar suite of pollutants from off-site.
5. Shelter island Boatyard is a boatyard in America's Cup Harbor in San Diego Bay, which has site activities, waste materials, and matrices (i.e. paint) that are similar those at a shipyard, although on a smaller scale.
6. The following interim cleanup levels were established using studies conduct at Campbell Industries and Shelter Island Boatyard. These interim cleanup levels are protective of water quality and beneficial uses of the bay and are appropriate for NASSCO:

CONSTITUENT	BAY SEDIMENT (mg/kg) Dry Weight
Copper	810
Zinc	820
Lead	231
PCB's	0.95
Mercury	4.2

10. Cleanup levels established for shipyard wastes are not necessarily appropriate for wastes from other sources, even if the waste contains some of the same pollutant constituents.
11. Indicator chemicals are used to predict the most likely location of elevated levels of pollutants in the sediment. Indicator chemicals are chosen by identifying chemicals which are commonly elevated and which co-occur with other elevated chemicals. The goal is for cleanup of sediment containing elevated levels of the indicator chemicals to also result in cleanup of areas with elevated levels of any other pollutants.
12. Copper and zinc are appropriate indicator chemicals for Southwest Marine for the purposes of bay sediment cleanup. Mercury is also an appropriate indicator chemical for a small area east of the floating drydock of NASSCO. It is expected that any other pollutants at elevated concentrations will be removed with the indicator chemicals.
10. The interim shipyard cleanup levels for NASSCO below are in conformance with Resolution No. 92-49, *Policies and Procedures for Investigation and Cleanup and Abatement of Discharges*. These interim cleanup levels are consistent with appropriate levels set by the Regional Board for analogous discharges that involve similar wastes, site characteristics, and water quality considerations as required by Section II.A.9 of Resolution 92-49.
11. The interim shipyard cleanup levels for NASSCO below are in conformance with State Board Resolution 68-16, *Statement of Policy with Respect to Maintaining High Quality Waters in California*.. The interim cleanup levels are consistent with the maximum public benefit and will not unreasonably affect beneficial uses because the interim cleanup levels were derived to protect beneficial uses for the public benefit. Water quality is not expected to be less than that prescribed in the policies as a result of these interim cleanup levels.
12. The Regional Board has notified the discharger and all known interested parties of its intent to establish shipyard sediment cleanup levels for NASSCO.

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- 13. The San Diego Unified Port District (Port District) owns the land where NASSCO is located. The Port District has been notified of this proposed Regional Board action and have been provided with the opportunity to participate pursuant to Water Code Section 13307.
- 14. This action is exempt from the requirements of the California Environmental Quality Act (Public Resources Code 21000 et seq.) in accordance with Title 14, California Code of Regulations, Chapter 3, Section 15270.
- 15. The Regional Board, in a public meeting, heard and considered all comments pertaining to the proposed action.

NOW THEREFORE BE IT RESOLVED THAT,

- 2. The following indicator chemicals and interim cleanup levels are applicable to the cleanup of bay bottom sediment at NASSCO:

CONSTITUENT	BAY SEDIMENT (mg/kg) Dry Weight
Copper	810
Zinc	820
Lead	231
PCB's	0.95
Mercury	4.2

*I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on March 10, 1999.*

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**JOHN H. ROBERTUS**  
Executive Officer