

## **RECORD OF DECISION (ROD)**

**AUGUST 20, 2009**

### **REPLACEMENT OF NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) SOUTHWEST FISHERIES SCIENCE CENTER (SWFSC), LA JOLLA, CALIFORNIA**

#### **1. Decision to Be Made**

NOAA proposes to replace the existing SWFSC facility located at 8604 La Jolla Shores Drive with a new facility on the campus of the University of California at San Diego (UCSD)/Scripps Institution of Oceanography (SIO) in La Jolla, California. The new facility will eliminate the current life safety issue associated with a bluff retreat hazard, provide modern fisheries research facilities, and meet modern seismic and life safety codes.

The National Marine Fisheries Services, a line office of NOAA, operates the SWFSC, one of six regional fisheries science centers. SWFSC studies the fisheries and marine mammals of the eastern Pacific Ocean and Antarctic seas to foster the protection and conservation of these resources. The existing SWFSC headquarters facility is located on the SIO campus in La Jolla, California. This location is highly beneficial to SWFSC because UCSD/SIO and SWFSC researchers collaborate extensively and their respective expertise in oceanography and fisheries science are highly complementary. The existing facility is over 40 years old, subject to severe geological hazards due to ongoing erosion of the adjacent coastal bluff, and fails to meet modern seismic and life safety codes.

NOAA conducted an environmental review of the proposed replacement of the SWFSC in conformance with requirements of the President's Council on Environmental Quality regulations implementing the National Environmental Policy Act (NEPA) (40 Code of Federal Regulations Sections 1500 – 1508), and NOAA Administrative Order 216-6, Environmental Review Procedures for Implementing the NEPA. The existing SWFSC facility and the preferred site for construction of the replacement SWFSC are located on the UCSD/SIO campus, which is owned and administered by the University of California (UC), a California State Agency subject to the California Environmental Quality Act (CEQA). To meet NEPA and CEQA requirements, NOAA and UC cooperated in the preparation of a joint Environmental Impact Statement/ Environmental Impact Report (EIS/EIR). The Draft and Final EIS/EIR examined a number of alternatives for replacing the SWFSC facility, including the required no-action (i.e., no project) alternative. This ROD sets forth NOAA's decision as to how the agency will proceed and what measures NOAA will undertake to avoid or minimize the environmental harms that may result from implementation of the selected action.

#### **2. Description of Proposed Action and Alternatives**

The proposed action analyzed in the Final EIS/EIR consists of construction of a new facility to house the SWFSC administrative and marine research facilities containing approximately

124,000 square feet (sq. ft.) of floor area and approximately 202 underground parking stalls. The new facility would be built at an undeveloped 3.3-acre site on the UCSD/SIO campus across La Jolla Shores Drive from the existing SWFSC facility. The new facility would be designed and constructed using green building techniques and materials to meet Leadership in Energy and Environmental Design standards and would include the following green building features:

- Partial green roof planted with native vegetation
- Shading of windows
- Windows with low emissivity glass
- Light-colored exterior
- Maximum daylighting of work spaces
- Bicycle parking and showers for staff use
- Photovoltaic solar panels
- Highly efficient lighting
- High-efficiency boilers
- Natural ventilation and ceiling fans
- Roof insulation of R30 or greater
- Water-conserving plumbing fixtures (e.g., low-flow shower heads and waterless urinals)
- Retention of storm water on site
- Native landscaping
- Green building materials with recycled content and/or renewable source (e.g., structural steel with recycled content, fly ash in concrete, wood from certified sustainably managed forests)
- Indoor furnishings that minimize off-gassing of chemicals

These features would increase the efficiency of energy and water use, reduce consumption of natural resources by using recycled instead of virgin materials, decrease generation of air and water pollutants, and provide a healthier working environment for staff. As part of the proposed action, Buildings B and C at the existing SWFSC, which are at greater risk from bluff erosion, would be demolished, and Buildings A and D would be turned over to UCSD/SIO for possible reuse.

NOAA also considered the following alternative actions, which are addressed in the Final EIS/EIR:

- Stabilization of Bluff Adjacent to Existing SWFSC
- On-Site Redevelopment
- On- and Near-Site Redevelopment
- Off-Site Development at SIO Deep Sea Drilling Site
- Off-Site Development at UCSD Hillside Neighborhood
- Leasing of Office and Research Space
- Collocation of SWFSC with Other Existing NOAA Facilities
- No-Action Alternative.

Bluff stabilization would require construction of massive concrete walls and placement of rock revetments at Black's Beach, which would interfere with ongoing research at the UC Natural Reserve and result in significant adverse aesthetic effects. This alternative would result in environmental impacts greater than those of the proposed action. It would also be inferior to the proposed action as it would not provide additional on-site parking opportunities, space for future program growth, or upgraded research facilities.

Due to the relatively small size of the existing SWFSC property and the constraints resulting from the need to set back buildings from the eroding coastal bluff at the western margin of the property, on-site redevelopment could not provide adequate floor space to accommodate SWFSC operations. On-site redevelopment would not satisfy the purpose and need.

On- and near-site redevelopment would require construction at both the existing NOAA property and an adjacent undeveloped 0.45-acre parcel owned by UC. The availability of this parcel for NOAA use is questionable as the UCSD Long Range Development Plan designates the adjacent parcel for park use. Demolition of all four of the existing SWFSC buildings would be needed to construct an adequate size facility and would result in substantial disruption of ongoing SWFSC activities during the construction period.

The Deep Sea Drilling site is a 1.25-acre area located on the east side of La Jolla Shores Drive within the UCSD/SIO campus, about 1,200 ft. south of the existing SWFSC site. The UCSD/SIO Hillside Neighborhood Planning Study addresses redevelopment of this area and plans for construction of 50,000 sq. ft. of office and research. About 30,000 sq. ft. of new space could be made available for SWFSC use. Existing SWFSC Buildings A and D could be retained for continued use by NOAA, providing about 60,000 sq. ft. of net space. Thus, the total amount of floor space would be about 90,000 sq. ft., which is less than SWFSC requires. Additionally, the split of SWFSC activities between the existing site and the Deep Sea Drilling site would be inefficient.

The UCSD Hillside Neighborhood is within the UCSD/SIO campus; however, development at this area is constrained by an inferred trace of the Redwood Fault. Total development potential of this area is estimated at 100,000 sq. ft., of which about 50,000 sq. ft. could be available for NOAA use. This space could be combined with 60,000 sq. ft. at retained Buildings A and D at the existing SWFSC site to produce about 110,000 sq. ft. of floor space, which would not meet the SWFSC needs. Additionally, the split of SWFSC activities between the existing site and the UCSD Hillside Neighborhood site would be inefficient.

NOAA considered the relocation of the SWFSC activities to leased office and research space in the vicinity of the UCSD campus. Several research parks are present in the area: one example is the UCSD Science Research Park complex at the University's East Campus. New construction on a leased parcel would likely be required and would result in similar construction period impacts as the proposed action. Leased space would not have access to seawater; therefore, a satellite seawater laboratory would have to remain in SWFSC Building D. The split of SWFSC activities between the two locations would be inefficient and the physical separation of SWFSC operations from the UCSD/SIO campus would discourage scientific collaboration.

The no-action alternative is analyzed in the Final EIS/EIR for comparative purposes and to meet regulatory requirements. However, the existing SWFSC facility is subject to increasing hazards from the adjacent retreating coastal bluff, which has resulted in a need to vacate two of the four

existing SWFSC buildings. That threat will increase with time as the bluff retreats farther. Additionally, the buildings are aging and do not meet current seismic codes. Thus, failure to act will jeopardize the ability of the SWFSC to fulfill its mission.

### **3. Environmentally Preferred Alternative**

The Final EIS/EIR examines potential effects of the proposed action and alternatives in a number of topic areas:

- Land use and coastal zone management
- Geology, soils, and geologic hazards
- Drainage and water quality
- Biological resources (threatened and endangered species) and wetlands
- Transportation
- Recreational resources
- Farmlands
- Air quality
- Noise and vibration
- Visual aesthetics
- Historic and cultural resources
- Socioeconomics and environmental justice
- Public services and utilities
- Population and housing
- Solid waste and hazardous materials
- Wild and scenic rivers

Additionally, the Final EIS/EIR identified the potential for growth-inducing impacts, significant and unavoidable impacts, irreversible or irretrievable commitments of resources, short- and long-term environmental goals, and cumulative impacts. The Final EIS/EIR lists measures to reduce or eliminate identified environmental effects and evaluates the expected effectiveness of those measures. Based on the detailed environmental impact analyses contained in the EIS/EIR, NOAA determined that the no-action alternative would be the environmentally superior action. However, taking no-action would not meet NOAA's objectives of replacing the existing SWFSC with a safe and modern facility. Among alternative actions other than the no-action alternative, the proposed action would be environmentally superior.

### **4. NOAA Decision and Factors Considered in Decision**

When deciding how to proceed in this matter, NOAA carefully considered the feasibility of implementing the proposed and alternative actions, the degree to which the proposed and alternative actions would meet the long-term needs of the SWFSC, the need to promote ongoing and future scientific collaboration between SWFSC and UCSD/SIO scientists, and the type and

intensity of environmental effects that would result after application of mitigation measures. Additionally, NOAA carefully reviewed all input received from the members of the public, interested parties, and government agencies during the EIS process. Comments on the Final EIS/EIR were received from a member of the public and from EPA Region IX. The member of the public stated that NOAA should not build a new structure and could save funds by leasing commercial space. The alternative of leasing commercial space is analyzed in the Final EIS/EIR. EPA Region IX commented on measures to mitigate potential impacts to air quality and biological resources. NOAA will implement a number of measures to reduce or eliminate those impacts, as detailed in the SWFSC-specific Mitigation Monitoring and Reporting Program (Attachment 1).

Based on the considerations described above, the proposed action would best meet the long-term needs of the SWFSC and would result in relatively minor environmental impacts that will be mitigated to the maximum extent possible. Other than the no-action alternative, the proposed action would result in the least amount of environmental impact. The no-action alternative would not meet the long-term needs of the SWFSC and would adversely affect the ability of the SWFSC to fulfill its mission. Implementation of the proposed action will enable SWFSC and UCSD/SIO to continue their long history of scientific collaboration within a wide range of programmatic marine research disciplines. Because the proposed action would best meet NOAA's long-term research needs while resulting in the least amount of environmental impact, NOAA will implement the proposed action.

## **5. Mitigation Measures and Monitoring**

NOAA will implement the mitigation measures contained in Attachment 1 to this ROD to eliminate or reduce the adverse environmental effects of the selected action. Attachment 1 also identifies actions that NOAA will undertake to monitor the implementation and effectiveness of these mitigation measures.

## **6. Summary of Findings**

NOAA conducted environmental review of replacement of the SWFSC in conformance with Council on Environmental Quality and NOAA procedures implementing NEPA, including preparation of Draft and Final EIS/EIRs. The Draft EIS/EIR analyzed all alternative actions and environmental issue areas raised during the EIS/EIR scoping period. The Final EIS/EIR contains official responses to all comments received on the Draft EIS/EIR. These documents demonstrate that NOAA has conducted the required environmental review and provided appropriate opportunities for agency and public input during the NEPA process.

NOAA will implement the proposed action of constructing and operating a new facility to house the SWFSC headquarters at the UCSD/SIO campus in La Jolla, California. The new facility will contain approximately 124,000 sq. ft. of floor space and approximately 202 underground parking stalls. NOAA will implement a number of measures to reduce or avoid environmental impacts expected to result from the implementation of the proposed action (see Attachment 1). NOAA will monitor the performance of these measures to ensure their enforcement and effectiveness.

All practical means to avoid or minimize environmental harms have been incorporated into the mitigation and monitoring program.

## 7. Contact Person

The NOAA contact for obtaining copies of the Final EIS/EIR or information regarding the selected action and the environmental review process is

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## 8. Approval

In conformance with requirements set forth in Section 5 *Implementing Procedures* of NOAA Administrative Order 216-6, the undersigned approves this ROD and directs NOAA to implement the selected action, consisting of construction and operation of a new approximately 124,000 sq. ft. SWFSC facility at the preferred site. To minimize environmental harms, NOAA will also implement the mitigation and monitoring measures listed in Attachment 1 to this document.



William F. Broglie  
NOAA Chief Administrative Officer  
National Oceanic and Atmospheric Administration  
Department of Commerce

  
Date

**ATTACHMENT 1**  
**TO ROD FOR NOAA SWFSC, LA JOLLA, CALIFORNIA**  
**MITIGATION MONITORING AND REPORTING PLAN TABLE**

**MITIGATION MONITORING AND REPORTING PROGRAM FOR REPLACEMENT OF NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION SOUTHWEST FISHERIES SCIENCE CENTER (SWFSC), LA JOLLA, CALIFORNIA**

Note to Reader: The terms “construction” and “demolition” are not used synonymously in this table and should not be confused. Construction refers to construction of the replacement SWFSC building at the preferred site, planned for fall 2009 through fall 2011. The term demolition refers to dismantling and removal of Buildings B and C at the existing SWFSC site, which is scheduled to occur within six years after NOAA occupies the replacement SWFSC building. Measures with a small d after the number (e.g. Geo-1d) are applicable to the demolition of Buildings B and C only.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
<b>LAND USE AND COASTAL ZONE MANAGEMENT</b>					
Lan-1	Prepare a Federal Consistency Determination and submit it to the California Coastal Commission (CCC) for concurrence.	Prepare and submit a Federal Consistency Determination to the CCC	NOAA Project Planning & Management Division (PPMD)	Prior to start of construction activities	Obtain CCC approval of the Federal Consistency Determination and include in project file. Provide copy to University of California at San Diego (UCSD) environmental planner (EP).
Lan-2	UCSD Design Review Board (DRB) and UCSD Physical Planning (PP) Department will review the SWFSC design plans to evaluate the extent to which the proposed SWFSC would be integrated into the campus neighborhood and would be compatible with nearby uses. The review will evaluate edge effects, site connections to adjacent on- and off-campus land uses, pedestrian and bicycle circulation, landscaping, and alternative transportation facilities (for example, bike racks and shuttle stops).	Submit plans for UCSD DRB and UCSD PP review	NOAA PPMD	DRB review at schematic design stage. PP review throughout plan development	NOAA to incorporate plan review comments in plans. Include DRB and PP review findings in project file.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
Lan-3	Demolition of Buildings B and C at the existing SWFSC site would occur in a manner that avoids disturbance of adjacent restoration lands.	Incorporate mitigation measures into demolition bid documents	NOAA PPMD	Prior to issuance of demolition bid documents	Confirm inclusion of measures during final review of demolition bid documents.
	Staging of demolition activities, parking of vehicles, and storage of supplies and equipment would occur at existing developed areas at the property and not on restoration lands.	Delineate limits of work in the field	NOAA PPMD	Prior to construction, confirm inclusion of measures during final review of demolition bid documents	Inspect site at inception of demolition work to ensure adequate fencing and signage has been placed to protect restoration lands.
		Demolition work to occur within delineated areas and implement mitigation measure	Demolition contractor	During demolition period	NOAA to include in demolition inspection a checklist and provide final checklist to UCSD EP.
<b>GEOLOGY, SOILS, AND GEOLOGIC HAZARDS</b>					
Geo-1	Prepare an SWPPP (Stormwater Pollution Prevention Plan) containing Best Management Practices (BMPs) to minimize soil erosion during construction of the new SWFSC (see Hyd-1). The BMPs would be implemented during the construction period. The mitigation measures will include grading of the construction site to direct storm water to existing drainages and minimize the length and velocity of overland flow, placement of silt fences or equivalent sediment barriers at the boundaries of the construction areas, and covering of stockpiles of earth materials when not in use.	Contract for preparation of SWPPP	NOAA PPMD	At least 90 days prior to issuance of construction bid documents	Confirm inclusion in construction bid documents.
		Include BMPs contained in the SWPPP in construction bid document	NOAA PPMD	Prior to issuance of construction bid documents and during construction period	NOAA to inspect construction area on a weekly basis and within 24 hours after precipitation events to confirm implementation and effectiveness of BMPs.
Geo-1d	Prepare an SWPPP containing BMPs to minimize soil erosion during demo-	Contract for preparation of	NOAA PPMD	At least 90 days prior to issuance of	Confirm inclusion in demolition

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	lition of Buildings B and C (see Hyd-1d). The BMPs would be implemented during demolition period.	SWPPP		demolition bid documents	bid documents.
		Include BMPs contained in the SWPPP in demolition bid document	NOAA PPMD	Prior to issuance of demolition bid documents and during demolition period	Inspect demolition area on a weekly basis and within 24 hours after precipitation events to confirm implementation and effectiveness of BMPs.
Geo-2	Denuded areas at the preferred site would be promptly covered with straw mats or similar materials and seeded or planted in conformance with project landscape plans to promote native revegetation after construction activities are complete.	Stabilize ground and install landscaping as soon as feasible following construction	NOAA PPMD & construction contractor	During construction or as soon as feasible following construction	Inspect site monthly after landscaping is installed at construction site and document percent of plants thriving for one year.  Provide compliance report to UCSD EP.
Geo-2d	Denuded areas at the existing SWFSC site would be promptly covered with straw mats or similar materials and seeded or planted in conformance with project landscape plans to promote native revegetation after activities are complete.	Stabilize ground and install landscaping as soon as feasible following demolition	NOAA PPMD & demolition contractor	During demolition or as soon as feasible following demolition	Inspect site monthly after landscaping is installed at demolition site and document percent of plants thriving for one year.  Provide compliance report to UCSD EP.
Geo-3	Design and construction of the new SWFSC will conform to seismic safety standards of the 2007 California Building Code.	Compare design plans to 2007 California Building Code	NOAA PPMD	At 95% design	Obtain review report from project engineers and place in project file.  Provide compliance report to UCSD EP.
<b>DRAINAGE AND WATER QUALITY</b>					
Hyd-1	Implement the SWPPP for construction activities and submit required notices of intent (NOI) and termination (NOT) to the Regional Water Quality Control Board (RWQCB) (also see Geo-1). The following	Submit SWPPP NOI to RWQCB	NOAA PPMD	Within 7 days prior to start of construction	Document RWQCB receipt of NOI and provide copy of NOI to UCSD EP.
		Submit SWPPP NOT to RWQCB	NOAA PPMD	Within 7 days after construction site achieves stabiliza-	Document RWQCB receipt of NOT and provide copy of NOT to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	<p>BMPs will be incorporated into the SWPPP and implemented during and after construction activities:</p> <ul style="list-style-type: none"> <li>The area of land disturbance will be kept to a minimum and existing vegetative cover will be retained as much as possible.</li> <li>Disturbed areas will be stabilized with temporary placement of woven mesh or netting until vegetation becomes established.</li> <li>Controls (silt fences, hay bales, etc.) will be placed at the perimeters of the construction and demolition areas.</li> <li>The sites will be sloped and graded to direct runoff away from steep hillsides or denuded areas.</li> <li>Disturbed areas will be replanted with native coastal sage scrub vegetation.</li> </ul>	NOAA to ensure SWPPP and BMPs developed and implemented to satisfaction of UCSD inspectors	NOAA PPMD	During construction	Include measures in construction inspection checklist and provide compliance report to UCSD EP.
Hyd-1d	Implement the SWPPP for demolition activities and submit required NOI and NOT to the RWQCB. The SWPPP will include BMPs as described above in Hyd-1.	Same as for Hyd-1 above	NOAA PPMD	Submit NOI within 7 days prior to start of demolition and NOT within 7 days after stabilization of demolition site	Document RWQCB receipt of NOI and NOT and provide copies of NOI to UCSD EP. Include measures in demolition inspection checklist and provide compliance report to UCSD EP.
Hyd-2	<p>The new SWFSC will incorporate the design features listed below to retain storm water on-site, thereby mitigating any increase in storm runoff rates:</p> <ul style="list-style-type: none"> <li>Landscaping using native species will be planted adjacent to foundations to reduce the velocity</li> </ul>	Incorporate drainage design plans into building plans	NOAA PPMD to satisfaction of UCSD PP	During design phase	Review drainage plans at 95% stage and document results of review in project file.
		Implement design features to retain storm water on-site	Construction contractor to satisfaction of NOAA/PPMD/UCSD construction	During construction	Include in NOAA construction inspection checklist. Provide record of compliance to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	<p>of runoff flow and prevent erosion.</p> <ul style="list-style-type: none"> <li>Storm water from roofs will be directed to water retention areas.</li> <li>A new drainage trough will help to further reduce the projected increase in runoff.</li> <li>Permeable pavement will be used where appropriate for walkways and parking areas.</li> </ul>		inspectors		
<b>BIOLOGICAL RESOURCES AND WETLANDS</b>					
Bio-1	Comply with requirements of UCSD Habitat Conservation Program outlined in UCSD 2004 Long Range Development Plan (LRDP) EIR.	UCSD to prepare maps of preservation area; NOAA to fund UCSD mitigation program	UCSD and NOAA PPMD	Prior to start of construction	Include preservation information in project files. NOAA to document transfer funds to UCSD.
Bio-2	To prevent damage or destruction of San Diego sea dahlia plants occurring off site to the south of the preferred site, those plants would be fenced and posted prior to the start of construction and construction workers would be directed to avoid harming those plants.	Include plant identification and protection in construction bid documents	NOAA PPMD to satisfaction of UCSD EP	Prior to the issuance of construction bid documents	Provide record of compliance to UCSD EP.
		Demarcate limits of work in field with fencing and instruct construction workers to avoid harm to plants	NOAA PPMD & construction contractor	After the pre-construction meeting but before construction starts	Include in NOAA construction inspection checklist.
Bio-3	Additional coastal California gnatcatcher surveys would be conducted at the preferred site prior to start of SWFSC construction. If the gnatcatcher is found to occupy the Diegan coastal sage scrub vegetation at the preferred site, removal of that vegetation would not occur during the February 1 through August 31 breeding season.	Contract for gnatcatcher surveys at SWFSC construction site; if necessary due to presence of gnatcatchers, delay vegetation clearing until after August 31	NOAA PPMD	Within 30 days before start of construction	Obtain biological report and include in project file. Provide report to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
Bio-4	If coastal California gnatcatchers are not observed at the preferred site but are observed within 500 ft. of the preferred site, construction noise would be limited so that it does not exceed equivalent energy noise level 60 A-weighted decibels (dBA) per hour during the gnatcatcher breeding season.	Contract for gnatcatcher surveys of area within 500 ft. of SWFSC construction site	NOAA PPMD	Within 30 days before start of construction	If gnatcatchers are present within 500 ft., conduct noise monitoring near gnatcatcher locations during the period February 1 through August 31. Document results of gnatcatcher studies and noise monitoring and provide copies to UCSD EP.
Bio-5	A qualified biologist would conduct raptor nest surveys within 500 ft. of the preferred site prior to start of construction and during the raptor breeding season, February 1 through August 31. If active raptor nests are observed, construction activities within 500 ft. of the nests would be suspended until the biologist determines that the nests are no longer active.	Contract for raptor nest surveys at SWFSC construction site and within 500 ft.; if necessary due to presence of raptor nests, suspend construction activities until the nests are inactive	NOAA PPMD	Within 30 days prior to start of construction and every week during February 1 through August 31	Obtain survey reports from biologist and include in project file. Provide reports to UCSD EP.
Bio-6	If demolition activities at the existing SWFSC site are expected during the raptor breeding season, February 1 through August 31, a qualified biologist would conduct raptor nest surveys within 500 ft. of the existing site prior to start of demolition activities. If active raptor nests are observed, demolition activities within 500 ft. of the nests would be suspended until the biologist determines that the nests are no longer active.	Contract for raptor nest surveys at existing SWFSC site and area within 500 ft.; if demolition activities at the existing SWFSC site are expected during the raptor breeding season, February 1 through August 31, suspend demolition activities within 500 ft. of active raptor nests	NOAA PPMD	Prior to start of demolition activities and every week during February 1 through August 31 if demolition is occurring	Obtain survey reports from biologists. Provide reports to UCSD EP.
<b>TRANSPORTATION</b>					
Tra-1	To improve the flow of traffic and	Include measures in	NOAA PPMD and	During design	Include measures in

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	<p>reduce safety hazards to local motorists, bicyclists, and pedestrians, NOAA and UCSD would cooperate in implementing the following mitigation measures:</p> <ul style="list-style-type: none"> <li>• Add an additional 50 to 100 ft. red curb to northbound La Jolla Shores Drive south of Shellback Way.</li> <li>• Widen the Shellback Way approach to the intersection with La Jolla Shores Drive to accommodate 20 ft. wide east- and west-bound traffic lanes and a 12 ft. wide median.</li> <li>• Remove existing sign prohibiting left turns from eastbound Shellback Way onto southbound La Jolla Shores Drive.</li> <li>• Install bollard seats on Shellback Way near right angle turn south of the preferred site. This will allow bollards to be placed diverting traffic when the portion of Shellback Way in front of the Keck Center is used to stage large equipment, which occurs infrequently.</li> </ul>	construction bid documents	UCSD		construction inspection checklist.
Tra-2	Prepare a traffic control plan covering the construction period for review by UCSD. The traffic control plan would address lane and/or road closures, emergency access and egress, efficient traffic circulation, and use of flaggers to control traffic and avoid conflicts. The plan would include recommendations, such as signage,	Prepare traffic control plan and submit to UCSD Fire Marshall, UCSD FD&C (Facility Design and Construction) and SIO for approval	NOAA PPMD	At least 30 days prior to issuance of construction bid documents	Obtain UCSD approval and include in project file. Confirm receipt of approval to UCSD EP.
		Incorporate traffic control plan into	NOAA PPMD to satisfaction of	Prior to issuance of construction bid	Confirm inclusion in construction bid documents.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	detours, and temporary traffic controls. The plan would prohibit construction vehicles from using Downwind Way or the north-south oriented section of Shellback Way (which passes in front of the Keck Center, Nierenberg Hall, Speiss Hall, and associated service yards).	construction bid documents	UCSD	documents	
		Implement traffic control plans	Demolition contractors to satisfaction of NOAA PPMD/UCSD demolition inspectors	During construction activities	Include traffic controls in construction inspection checklists.
Tra-2d	Prepare a traffic control plan covering the demolition period for review by UCSD. The traffic control plan would address lane and/or road closures, emergency access and egress, efficient traffic circulation, and use of flaggers to control traffic and avoid conflicts. The plan would include recommendations, such as signage, detours, and temporary traffic controls.	Prepare demolition traffic control plan and submit to UCSD Fire Marshall and UCSD FD&C for approval	NOAA PPMD	At least 30 days prior to issuance of demolition bid documents	Obtain UCSD approval and include in project file. Confirm receipt of approval to UCSD EP.
		Incorporate traffic control plan into demolition bid documents	NOAA PPMD to satisfaction of UCSD	Prior to issuance of demolition bid documents	Confirm inclusion in demolition bid documents.
		Implement traffic control plans	Demolition contractors to satisfaction of NOAA PPMD/UCSD demolition inspectors	During demolition activities	Include traffic controls in demolition inspection checklists.
<b>RECREATIONAL RESOURCES</b>					
Rec -1	The existing meander path at the preferred site would be replaced with a path of similar quality and the public would be allowed to use the replacement path.	Include path design plans in construction bid documents	NOAA PPMD to satisfaction of UCSD PP	During design phase	Include path in construction inspection checklist.
<b>AIR QUALITY</b>					
Air-1	To comply with Federal regulations at 40 CFR (Code of Federal Regulations) Parts 51 and 93, NOAA would prepare a Federal Air Quality conformity determination and submit	Include measures to reduce emissions of ozone pre-cursors during the construction period	NOAA PPMD	After issuance of ROD and prior to issuance of construction bid	Include EPA receipt in project file and provide copy to UCSD EP.

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	to Environmental Protection Agency (EPA).	Federal conformity determination and submit for approval		documents	
Air-2	NOAA would request that construction contractors implement SmartWay Truck Efficiency and anti-idling practices to reduce the amount and effects of Green House Gas (GHG) emissions during the construction period. These practices include retrofitting heavy duty trucks (trucks/trailers) and vehicles used during construction with the best available "SmartWay Transport" and/or California Air Resources Board (CARB)-approved technology to reduce GHG.	Incorporate SmartWay Truck Efficiency and anti-idling measures into construction bid documents	NOAA PPMD	Prior to issuance of construction bid documents	Confirm inclusion in construction bid documents.
		Inspect construction vehicles and measure idling times in periodic inspection during construction activities	NOAA PPMD	During construction	Include measures in construction inspection checklist.
Air-2d	NOAA would request that demolition contractors implement SmartWay Truck Efficiency and anti-idling practices to reduce the amount and effects of GHG emissions during the demolition period. These practices include retrofitting heavy duty trucks (trucks/trailers) and vehicles used during construction with the best available "SmartWay Transport" and/or CARB-approved technology to reduce GHG.	Incorporate SmartWay Truck Efficiency and anti-idling measures into demolition bid documents	NOAA PPMD	Prior to issuance of demolition bid documents	Confirm inclusion in demolition bid documents.
		Inspect demolition vehicles and measure idling times in periodic inspection during demolition activities	NOAA PPMD	During demolition	Include measures in demolition inspection checklist.
Air-3	Develop and implement Construction Emissions Management Plan (CEMP) measures during the construction period. The CEMP would identify detailed measures to minimize emissions of dust and other air pollutants, such as	Contract for preparation of CEMP and incorporate CEMP measures into construction bid documents	NOAA PPMD	During preparation of construction bid documents	Confirm inclusion in construction bid documents; include CEMP measures in construction inspection checklist.  Provide CEMP plan to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	<ul style="list-style-type: none"> <li>• stabilization of unpaved roads at the construction site using water, chemical dust suppressants, and/or other stabilization techniques;</li> <li>• pre-soaking and sprinkling of areas to be cleared of vegetated and/or graded areas with water at least daily;</li> <li>• sweeping of streets surrounding the construction site, to minimize dust emissions at least daily;</li> <li>• limiting vehicle speeds on unpaved roads and areas to 15 mph;</li> <li>• prompt revegetation of areas of exposed soil as soon as construction activities are completed;</li> <li>• encouragement by NOAA for contractors to use alternate fuels and retrofit existing engines in construction equipment, to the extent that equipment is available and cost effective;</li> <li>• limiting idling time of construction equipment to 10 minutes when not in use; and</li> <li>• specify that contracts for construction of the new SWFSC facility at the existing facility will require medium- and large-size construction fleets to comply with CARB regulations for in-use off-road diesel vehicles (California Code of Regulations, Title 13, Motor Vehicles, Article 4.8, Section</li> </ul>				<p>Ensure enforcement during construction via regular field checks.</p>

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	2449).				
Air-3d	Develop and implement CEMP measures during the construction and demolition periods. (see Air-3 for list of typical measures).	Contract for preparation of CEMP and incorporate CEMP measures into demolition bid documents	NOAA PPMD	During preparation of demolition bid documents	Confirm inclusion in demolition bid documents; include CEMP measures in demolition inspection checklist.  Provide CEMP plan to UCSD EP.  Ensure enforcement during demolition inspections.
Air-4	Obtain authority to install and obtain an operating permit from San Diego Air Pollution Control District (SDAPCD) for the standby generator at the new SWFSC. The permits would include detailed conditions to ensure that the generator operates at peak efficiency, minimizing emissions of air pollutants.	Complete application to install and operate and submit to SDAPCD	NOAA PPMD	At least 90 days prior to installation of generator	Include permit documents received from SDAPCD in project files.  Provide copy of SDAPCD approval to install/operate to UCSD EP.
Air-5	Achieve Leadership in Energy and Environmental Design (LEED) Silver standards for energy efficiency and environmental sustainability.	Apply for LEED certification for the new SWFSC	NOAA PPMD	Within two years after construction is complete	Include LEED documentation in project file.  Provide LEED score sheet and copy of final LEED certification to UCSD EP.
Air-6	SWFSC would implement a Transportation Demand Management System (TDMS) to reduce the amount of vehicle trips by staff. The TDMS would identify opportunities (for example, vanpools, public transit, bicycling) for alternatives to single-occupancy cars and assist staff in employing those alternatives.	Develop and implement a TDMS	SWFSC Management	Prior to occupancy of new SWFSC	Document TDMS and make available to SWFSC staff.  Provide copy of TDMS to UCSD EP.
Air-7	SWFSC would include facilities to support bicycle commuters, including convenient racks for securing	Include bicycle facilities in construction bid	NOAA PPMD	Prior to issuance of construction bid	Confirm inclusion in bid documents; include bicycle facilities in construction

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	bicycles, and showers for use by bicycle-commuting staff.	documents		documents	inspection checklist. Provide checklist to UCSD EP.
<b>NOISE AND VIBRATION</b>					
Noi-1	<p>NOAA would require construction contractors to comply with the construction noise abatement measures contained in the UCSD 2004 LRDP EIR, which are listed below.</p> <ul style="list-style-type: none"> <li>• Construction activities would be implemented in a manner that prevents the 12-hour average sound level from exceeding 75 dBA between 7:00 AM and 7:00 PM on Monday through Saturday at the following noise sensitive land uses: residences located north of the preferred SWFSC site and the Keck Center for Ocean Atmospheric Research.</li> <li>• Construction vehicles and equipment would be properly outfitted with manufacturer-recommended noise-reduction devices maintained in good working order.</li> <li>• Stationary construction and demolition equipment, such as generators, pumps, and batch plants, would be located as far as possible (at least 100 ft.) from the residences located north of the preferred SWFSC site and the Keck Center for Ocean Atmospheric Research.</li> </ul>	Incorporate mitigation measures into construction bid documents	NOAA PPMD	Prior to issuance of construction bid documents	<p>Confirm inclusion in bid documents; conduct noise monitoring program during construction and report results to construction inspectors weekly.</p> <p>Provide documentation of success to EP.</p>

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	<ul style="list-style-type: none"> <li>• Laydown and staging areas for construction activities would be located as far as feasible from the residences located north of the existing and preferred SWFSC site and the Keck Center for Ocean Atmospheric Research.</li> <li>• Residents of houses located north of the preferred SWFSC site and occupants of the Keck Center for Ocean Atmospheric Research would be informed a month in advance when practical but not less than two weeks prior to the start of SWFSC construction.</li> <li>• Loud construction activity such as jack hammering, concrete sawing, asphalt removal, pile driving, and large-scale grading operations occurring within 100 ft. of an academic building will be coordinated with SIO and should not be scheduled during any finals week of classes to the extent feasible.</li> <li>• Loud construction activity such as jack hammering, concrete sawing, asphalt removal, pile driving, and large-scale grading operations occurring within 100 ft. of an academic building will be scheduled during holidays, class breaks, and/or summer session to the extent feasible.</li> <li>• Loud construction activity located within 100 ft. of a residential building will be restricted to occur</li> </ul>				

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	between the hours of 7:00 AM and 7:00 PM Monday through Friday.				
Noi-1d	<p>NOAA would require demolition contractors to comply with the demolition noise abatement measures contained in the UCSD 2004 LRDP EIR (Environmental Impact Report), which are listed below.</p> <ul style="list-style-type: none"> <li>• Demolition activities would be implemented in a manner that prevents the 12-hour average sound level from exceeding 75 dBA between 7:00 AM and 7:00 PM on Monday through Saturday at the following noise sensitive land uses: residences located north of the SWFSC site.</li> <li>• Demolition vehicles and equipment would be properly outfitted with manufacturer-recommended noise-reduction devices maintained in good working order.</li> <li>• Stationary demolition equipment would be located as far as possible (at least 100 ft.) from the residences located north of the existing SWFSC site.</li> <li>• Laydown and staging areas for demolition activities would be located as far as feasible from the residences located north of the existing SWFSC site.</li> <li>• Residents of houses located north of the existing and preferred SWFSC site would be informed a month in advance when practical</li> </ul>	Incorporate mitigation measures into demolition bid documents	NOAA PPMD	Prior to issuance of demolition bid documents	<p>Confirm inclusion in bid documents; conduct noise monitoring program during demolition and report results to demolition inspectors weekly.</p> <p>Provide documentation of success to UCSD EP.</p>

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	<p>but not less than two weeks prior to the start of demolition of Buildings B and C.</p> <ul style="list-style-type: none"> <li>• Loud demolition activity such as jack hammering or concrete sawing, occurring within 100 ft. of an academic building will be coordinated with SIO and should not be scheduled during any finals week of classes to the extent feasible.</li> <li>• Loud construction activity such as jack hammering, concrete sawing, or asphalt removal, occurring within 100 ft. of an academic building will be scheduled during holidays, class breaks, and/or summer session to the extent feasible.</li> <li>• Loud construction activity located within 100 ft. of a residential structure will be restricted to occur between the hours of 7:00 AM and 7:00 PM Monday through Friday.</li> </ul>				
Noi-2	<p>A person qualified in construction noise and vibration assessment would prepare construction vibration mitigation plans, which would be reviewed for adequacy by SIO, UCSD EP and FD&amp;C Departments. The plans will describe measures to reduce construction vibrations to the maximum extent possible. Vibration monitoring will be performed during construction activities occurring in proximity to the Keck Center to establish the maximum level of</p>	<p>Contract for preparation of construction vibration mitigation plans and submit them to UCSD/SIO for review</p>	NOAA PPMD	<p>Prior to issuance of construction bid documents</p>	<p>Obtain UCSD/Scripps Institution of Oceanography (SIO) approval and include in project file. Provide copy of plans to UCSD EP.</p>
		<p>Contract for vibration monitoring during construction activities</p>	NOAA PPMD	<p>During construction activities</p>	<p>Obtain periodic reports on vibration monitoring during the construction period. Provide documentation of successful compliance to</p>

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	vibration. If vibrations reach levels that disrupt research activities being performed at the Center, alternative work methods and/or equipment would be employed to reduce vibration levels to non-harmful levels.				UCSD EP.
Noi-2d	A person qualified in demolition noise and vibration assessment would prepare demolition vibration mitigation plans, which would be reviewed for adequacy by SIO, UCSD EP and FD&C Departments. The plans will describe measures to reduce demolition vibrations to the maximum extent possible.	Contract for preparation of demolition vibration mitigation plans and submit them to UCSD/SIO for review	NOAA PPMD	Prior to issuance of demolition bid documents	Obtain UCSD/SIO approval and include in project file. Provide copy of plans to UCSD EP.
<b>VISUAL AESTHETICS</b>					
Vis-1	The proposed SWFSC would undergo design review by UCSD DRB and UCSD PP Department to ensure that the visual features of the new SWFSC are consistent with UCSD design policies. The design review process will evaluate building mass and form; building proportion; roof profile; architectural detail and fenestration; texture, color, type and quality of building materials; landscaping; and other elements as deemed necessary.	Submit SWFSC design plans to UCSD DRB and PP for review	NOAA PPMD	During design review process	Include DRB and PP review comments in project file/plans.
Vis-2	Existing large vegetation (that is, trees and large shrubs) at the preferred site would be retained as much as possible to provide visual screening for the new SWFSC building.	Identify and mark vegetation to be retained in coordination with UCSD PP, and place on landscape plans	NOAA PPMD	Prior to start of construction	Include inspection of vegetation to be preserved in construction inspection checklist.
Vis-3	The proposed SWFSC would be	Incorporate visual	NOAA PPMD	During design	Include analysis of visual

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	located in a visually sensitive zone. To minimize glare generated by reflective building elements, exterior surfaces would be comprised of non-reflective materials to the maximum extent possible and windows would use non-mirrored window glass (that is, high technology and/or low emissivity glass).	elements into SWFSC design		review process	elements in design review documents.
Vis-4	Trees would be planted along the western boundary of the new SWFSC site, between the new building and La Jolla Shores Drive, providing visual screening of the new SWFSC building.	Include trees (landscape plans) in design package/ construction bid documents	NOAA PPMD	During design review process	Confirm landscape installed per approved plans construction inspection checklist.
Vis-5	Exterior lights on the new building would be shielded and/or pointed downward as necessary to minimize the amount of light spilling onto residential properties to the north. Additionally, low intensity lighting would be used wherever possible and lights would be directed to illuminate the specific feature to be lit and shielded to prevent spillover of light onto unintended areas. SWFSC exterior lighting plans would be reviewed by the UCSD DRB to ensure that they comply with the UCSD Outdoor Lighting Policy and Outdoor Lighting Design Guideline.	Submit exterior lighting plans to UCSD FD&C for review in conformance with outdoor lighting policy	NOAA PPMD	Prior to issuance of construction bid documents	Include comments from UCSD FD&C review of exterior lighting in project file/plans.
Vis-6	Existing mature trees at the existing SWFSC would be retained to the maximum extent feasible during demolition of Buildings B and C.	Identify and mark trees to be saved	NOAA PPMD	Prior to start of demolition	Include trees in demolition inspection checklist.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
<b>HISTORIC AND CULTURAL RESOURCES</b>					
Cul-1	To investigate the significance of archaeological site CA-SDI-18610 at the preferred site, a qualified archaeologist will prepare a treatment plan for archaeological testing. The treatment plan would identify the area of potential effect (APE), taking into consideration the horizontal and vertical extent of proposed ground-disturbing construction activities. The plan will describe how archaeological data would be scientifically collected and how these data will be used to address important research issues and to determine site significance under the California Environmental Quality Act. A Native American would monitor subsurface excavation and grading activities.	Contract with archaeologist for preparation of treatment plan	NOAA PPMD	At least 120 days prior to start of construction	Include archeological treatment plan in project file; provide copy to UCSD EP.
		Submit treatment plan to UCSD EP for review and concurrence	NOAA PPMD and Qualified Archeologist	Between issuance of Notice of Determination and ROD and at least 90 days prior to start of construction	Include UCSD approval letter in project file.
Cul-2	A qualified archaeologist will conduct testing of archaeological site CA-SDI-18610. Testing would consist of systematic excavation of the sample area to determine the integrity and vertical and horizontal extent of the deposit, the quality and diversity of artifacts, and the potential for human remains. A Native American would monitor the testing activities.	Contract with archaeologist to perform testing and a Native American to monitor testing	NOAA PPMD	At least 60 days prior to start of construction	Obtain test report from archeologist and monitoring report from Native American and include in project file.  Provide test and monitoring reports to UCSD EP.
Cul-3	If archaeological site CA-SDI-18610 is recommended as eligible for the National Register of Historic Places or the California Register of Historic Resources, data recovery would occur. The data recovery phase	If necessary, based on results of testing, contract with archaeologist for data recovery at CA-SDI-18610	NOAA PPMD	At least 45 days prior to start of construction	Obtain data recovery report form archaeologist and place in project file.  Provide copy of report to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	would be based on results of the test phase, and will focus on recovering archaeological data sufficient to mitigate the destruction of all or a portion of the archaeological site within the APE.				
Cul-4	NOAA and UCSD will comply with PRC 5097.98 in the case where human remains are found. Any discovery of human remains would be treated with respect. This code section requires that excavations cease if potential human remains are discovered and the County Medical Examiner/Coroner be notified. The Coroner is required to contact the Native American Heritage Commission (NAHC) within 24 hours. The NAHC will contact the most likely descendant to determine the appropriate manner of handling the remains.	If necessary, due to discovery of human remains, notify NOAA, UCSD FD&C and EP, and County Medical Examiner/ Coroner	NOAA PPMD and qualified consultant	During construction	Document communication with UCSD, County Medical Examiner/Coroner and NAHC for project file.
Cul-5	Permanently curate artifacts found at archaeological site CA-SDI-18610 at the San Diego Archaeological Center.	Include transport of artifacts found to San Diego Archaeological Center under contract with archaeologist, as necessary	NOAA PPMD	At conclusion of data recovery when extent of collections to be curated is known	Obtain receipt for artifacts from San Diego Archaeological Center and place in project file. Provide curation documentation to UCSD EP.
Cul-6	Archaeological and Native American monitors would be present on site during all ground disturbing activities in the construction phase of the project, keeping daily logs and preparing a monitoring report at the conclusion of each phase. Ground-disturbing activities include building	Contract with archaeologist and Native American to monitor geotechnical testing	NOAA PPMD	Prior to start of geotechnical testing and prior to start of construction	Obtain periodic monitoring reports from archeologist and Native American and place in project file. Provide regular reports to UCSD EP.

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	construction, installation of underground utility lines, landscaping, and paving.				
Cul-7	If human remains are discovered during any phase of the proposed action, soil associated with the remains should not be removed from the area.	Include prohibition in construction contracts	NOAA PPMD	Prior to issuance of construction bid documents	Confirm inclusion in bid documents.
<b>SOCIOECONOMICS AND ENVIRONMENTAL JUSTICE – No mitigation required</b>					
<b>PUBLIC SERVICES AND UTILITIES</b>					
Ser-1	Submit design plans for the new SWFSC to the UCSD Fire Marshal for review and approval.	Submit design plans to Fire Marshal and revise to address comments received	NOAA PPMD	At 95% design phase	Revise per UCSD Fire Marshal comments and place approval in project file.
<b>POPULATION AND HOUSING</b>					
Pop-1	In the event that the construction of the SWFSC requires closure of a road or traffic lane, the UCSD Fire Marshal and SIO would be notified of the planned closure. If determined necessary, the UCSD Fire Marshal would warn local emergency service providers of the road closure.	Notify the UCSD Fire Marshal and SIO of road closures or traffic lane closures	NOAA PPMD	At least 24 hours prior to closure of roads or traffic lanes during the construction period	Document communications with UCSD Fire Marshal and SIO and place in project file.
		Notify local emergency service providers of road or traffic lane closures	UCSD Fire Marshal	During construction, as determined necessary by the Fire Marshal	Obtain copy of communication records between Fire Marshal and Emergency Service Providers and place in project file.
<b>SOLID WASTE AND HAZARDOUS MATERIALS</b>					
SW-1	Removal of asbestos-containing materials (ACMs) during demolition of Buildings B and C would be performed by an asbestos abatement contractor licensed by the California Division of Safety and Health. Removal of ACMs would occur in conformance with applicable	Include removal of ACMs in demolition bid documents	NOAA PPMD	Prior to issuance of demolition bid documents	Obtain manifests for transport of ACMs to disposal facility and place in project file.  Confirm successful compliance to EP.
		Check qualifications of bidders to confirm	NOAA PPMD	During bid review	Document qualifications of selected contractor for project

Number	Mitigation Measure	Mitigation Procedure	Responsible Party	Mitigation Timing	Monitoring and Reporting Procedure
	regulations of the Division.	they are licensed by California Division of Safety and Health			file.
SW-2	Loose and peeling lead-based paint (LBP) of Buildings B and C would be removed and remaining paint stabilized prior to demolition activity.	Include removal of loose and peeling LBP from Buildings B and C and stabilization of remaining LBP in demolition bid documents	NOAA PPMD	Prior to issuance of demolition bid documents	Obtain manifest for transport of LBP to disposal facility and place in project file.  Confirm successful compliance to UCSD EP.

### Organizational Acronyms

CARB	California Air Resources Board
CCC	California Coastal Commission
DRB	Design Review Board (UCSD)
EP	Environmental Planning (UCSD)
EPA	Environmental Protection Agency
FD&C	Facility Design and Construction (UCSD)
NAHC	Native American Heritage Commission
NOAA	National Oceanic and Atmospheric Administration
PP	Physical Planning (UCSD)
PPMD	Project Planning and Management Division (NOAA)
RWQCB	Regional Water Quality Control Board
SDAPCD	San Diego Air Pollution Control District
SIO	Scripps Institution of Oceanography
SWFSC	Southwest Fisheries Science Center
UCSD	University of California at San Diego

## **Other Acronyms**

ACM	asbestos-containing material
APE	area of potential effect
BMP	Best Management Practices
CEMP	Construction Emissions Management Plan
dba	A-weighted decibels
EIR	Environmental Impact Report
GHG	Green House Gas
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LRDP	Long Range Development Plan
NOI	notices of intent
NOT	notices of termination
SWPPP	Storm Water Pollution Prevention Plan
TDMS	Transportation Demand Management System