

4-320 -A Site Summary- Diablo Canyon Nuclear Power Plant

4-320 -A

County: **San Luis Obispo**
 USGS Quad: **Port San Luis**

Thomas Guide Location
 345 A-4
 NOAA Chart: **Estero Bay 18703**

Latitude N
 35.2122
 Longitude W
 120.8564

Last Page Update : 5/1/2014

SITE DESCRIPTION:

See Division H map. Diablo Cove. PG&E Diablo Canyon Nuclear Power Plant property (first priority protection per ACP); Security Zone is a 2,000 yard radius from the Diablo Canyon Power Plant. Cove has a rip rap jetty, rocky intertidal habitat, off-shore rocks (part of the Coastal National Monument under BLM jurisdiction), and a small pocket gravel beach. The power plant intake is 10 ft. below MLLW water surface. 2,000,000 gal/min outflow, discharge would probably push (keep) oil outside of cove. Discharge temp is 75 degrees, which could cause a convergence zone, so oil will probably not impact discharge cove. There are large waves here, and shoreline is very rocky. Site is within Point Buchon State Marine Conservation Area and Marine Reserve MPA, fisheries management areas that extend 3 miles offshore, and is governed by special protections established by the DFW Marine Region.

SEASONAL and SPECIAL RESOURCE CONCERN

Species of concern discussed are present year round. Marine Mammal pupping: harbor seals: March-June, Ca. sea lions: May-June, stellar sea lions: May-July, southern sea otter: Jan-March. Leatherback sea turtles designated critical habitat extends from shore out to 100 miles offshore; most commonly observed Aug - Nov.

RESOURCES OF PRIMARY CONCERN

Pigeon guillemots, western gulls, brandts cormorants, pelagic cormorants grebes, loons, scoters, and hundreds of brown pelicans

High concentrations (800-1,000 animals) of harbor seals, and Ca. sea lions haulout on this platform. Stellar sea lions have also been observed here during winter in low numbers. Endangered sea otters are often observed offshore and in intake and outfall areas. Elephant seals are also found here.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact SHPO and Native American Heritage Commission

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T	Melissa Boggs Environmental Scientist	CDFW-OSPR	(805) 558-1005
E	Bryan Cunningham Environmental Coordinator	PG&E Diablo Canyon Nuclear Power Plant	(805) 545-4439
C	Lynn Gamble Historic Info Center	SHPO/UCSB	(805) 893-7341
T	Mike Harris Sea otter expert	CDFW-OSPR	(805) 772-1135
O	Brian Hatfield Marine mammal expert	Bio Res Div. USGS	(805) 927-3893
E	Jim Kelly Biologist	PG&E Diablo Canyon Nuclear Power Plant	(805) 545-3194
T	David Ledig Manager	BLM, Coastal Natl. Monument	(831) 630-5006
T	Jenny Marrek Biologist	U.S. Fish and Wildlife Service	(805) 644-1766
O	Steve McGrath Harbor Manager	Port San Luis Harbor	(805) 595-5400
C	Larry Meyer	Native American Heritage Commission	(916) 373-3712
T	Becky Ota	CDFW for MPAs	(650) 631-6789
T	Elizabeth Petras Biologist	National Marine Fisheries Service	(562) 980-3238
E	Shift Manager PG&E 24 hr #	PG&E Diablo Canyon Nuclear Power Plant	(805) 545-3377
C	SHPO	State Office of Historic Preservation	(916) 445-7000
T	Steve Wertz	CDFW for MPAs	(562) 342-7184

ADDITIONAL SITE SUMMARY COMMENTS:

4-320 -A Site Strategy - Diablo Canyon Nuclear Power Plant

County and Thomas Guide Location
345 A-4 San Luis Obispo

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CONCERNS and ADVICE to RESPONDERS:

Oil penetration through rip rap jetty.

Site is within Point Buchon State Marine Conservation Area and Marine Reserve MPA, fisheries management areas that extend 3 miles offshore.

Throughout Division H, black abalone (endangered) may be present in rocky intertidal habitat (designated critical habitat). Leatherback sea turtles designated critical habitat extends from shore out to 100 miles offshore; most commonly observed Aug - Nov.

Off-shore rocks part of the Coastal National Monument under BLM jurisdiction.

HAZARDS and RESTRICTIONS:

This shoreline landward of Lion Rock is owned by PG&E Diablo Canyon Nuclear Power Plant and they will have to be contacted for shoreline access issues (e.g. potential staging areas).

Water from plant is discharged at 2,000,000 gal/min which may push (keep) oil outside cove.

SITE STRATEGIES

Strategy 4-320.1 Objective: Exclude oil from power plant intake area.

Power Plant intake: Primary and secondary booming inside and across mouth of jetties and line inside of both jetties with containment boom to contain oil from inner area. See diagram1.

A crane pad exists at boat launch, 12 ton crane may be used to launch skimmer, boom, etc.

Check/maintain boom for effectiveness and integrity, overwash, and leakage problems, boom positioning and security, and sorbent replacement as necessary.

Strategy 4-320.2 Objective: Exclude oil from power plant intake.

Power Plant intake: Taking advantage of the power plant water intake suction, angle boom inward from each jetty, placing skimmer barge at boom apex.

Strategy 4-320.3 Objective: Deflect/exclude oil from offshore rocks.

For offshore rocks and rocky intertidal: Offshore containment and recovery (OCR) is the preferred option although heavy surf may hinder these operations. No specific response equipment listed due to the many variables associated with each spill regarding OCR. Early consideration should be given to the use of applied response technologies.

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no type and gear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment and kinds	staff deploy	Staff tend
4-320.1	1000					2		SFS		6	
4-320.2	400					2		SFS		6	
4-320.3									Offshore containment & recovery		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From the South: Take Hwy 101 N to the Avila Beach Dr. exit. Take Avila Beach Dr. almost to the end to the PG&E Diablo Canyon Nuclear Power Plant entrance. The power plant is approx. 7 miles away.

From the north: Take Hwy 101 S (or Hwy 5 S to Hwy 41 W to Hwy 46 W to Hwy 101 S) to Avila Beach exit, San Luis Bay Dr. Take San Luis Bay Dr. to stop sign, turn right on Avila Beach Dr., follow directions above.

LAND ACCESS: Foot access stairs to beach in discharge cove, boat, private road

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking Small boat ramp at power plant, or at Port San Luis and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

PG&E kelp cutter available, crane needed to lower boats at boat launch.

Staging Area: At power plant or Port Port San Luis Harbor.

Command Post: Port San Luis Harbor office (805) 595-5400. CDFW office in San Luis Obispo.

Airports: SLO County Airport is approx. 20 min.

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

