

EXHIBIT G-2

Final EIR MMP

Tranquillon Ridge Oil and Gas Development Project

(06RVP-00000-00001)

Adopted by the County Board of Supervisors on October 7, 2008

MITIGATION MONITORING AND REPORTING

Public Resources Code §21081.6 requires that the County adopt a reporting or monitoring program for the changes to the project which it has adopted or made a condition of approval in order to mitigate or avoid significant effects on the environment. The approved project description and conditions of approval, with their corresponding permit monitoring requirements, are hereby adopted as the mitigation monitoring program for the Tranquillon Ridge project. The monitoring program is designed to ensure compliance during all phases of project implementation. The attached tables provide the Mitigation Monitoring Plan as provided in the Final EIR.

5.1 Risk of Upset/Hazardous Materials

5.1.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Risk-1	The applicant shall install an upgraded state-of-the-art leak detection system on the existing emulsion line and on the sour gas line. The upgraded system shall use the Best Available Technology (BAT) for detection of small leaks in the emulsion pipeline. The applicant shall provide the County with a comparative analysis of available technologies that have been used in applications similar to this project and the demonstrated effectiveness and reliability of those systems. The County shall review and approve of the leak detection technology prior to its installation. Review and approval of the comparative analysis and installation of the approved leak detection system shall occur prior to land use permit approval. The applicant shall install an upgraded SCADA system on the existing emulsion line and a new system on the produced sour gas line. The new system shall have improved sensitivity to detect leaks, similar to the upgrade installed on PXP's Point Arguello facility. The new SCADA system should be able to detect 0.08 percent of flow leaks in less than 48 minutes and be able to detect leaks as small as 1/16 inch in diameter in less than two minutes.	SCADA system review.	Before operation of the Tranquillon Ridge project. Prior to land use permit approval.	SBC P&D, SSRRC
Risk-2	The applicant operator shall ensure that sour gas pipeline operation does not exceed 600 pounds per square inch (psig) and 8,000 parts per million (ppm) hydrogen sulfide throughout the life of the project. <u>If any increase in</u>	Monthly reports to the SBP&D to include operating pressure of the	Before operation of the Tranquillon Ridge project.	SBC P&D, SSRRC

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	<u>pipeline operating pressure and/or hydrogen sulfide concentration is proposed, the operator shall conduct a risk assessment to demonstrate to the County's satisfaction that such increase would not expand the existing hazard footprint associated with the sour gas pipeline. If such demonstration cannot be made, the proposed increase in pressure/concentration shall not be approved or implemented.</u>	gas pipeline.		
Risk-3	The applicant shall implement all of the measures identified in SBC policies regarding the transportation of gas liquids that were developed as part of the LPG/NGL Transportation Risk Assessment, including the blending of gas liquids into the crude oil to the maximum extent feasible. (The policies are included in the Point Pedernales Final Development Plan (FDP) permit conditions P-2 and P-23). The applicant shall submit a plan to SBC for review and approval indicating maximum blending levels that are achievable with the proposed operations prior to land use clearance	The plan shall be approved prior to land use clearance and implemented prior to operation of the facilities with Tranquillon Ridge Wells.	Monthly P&D reports. Blending levels shall be documented in the monthly production reports.	SBC P&D, SSRRC

5.2 Terrestrial and Freshwater Biology

5.2.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible for Verification
TB-1	Prior to construction, a survey of the power line corridor shall be conducted to verify the locations of sensitive plants, including Gaviota tarplant, La Purisima manzanita, sand mesa manzanita, and dune vegetation that includes coast buckwheat (<i>Eriogonum parvifolium</i>), and thus may support El Segundo blue butterfly. Power poles shall be sited to avoid impacting these resources.	Site inspection prior to construction.	Prior to construction or ground disturbing activities.	SBC/CCC-qualified biologist working as part of EQAP or under direction of SBC Permit Compliance (hereafter: SBC EQAP Biologist)
TB-2	Prior to constructing the power line to Valve Site #2, the applicant operator shall enter into discussions with VAFB to determine the feasibility of placing the power line on the 13 th Street bridge or using the existing VAFB power poles for crossing the Santa Ynez River. If placing the power line on the bridge or the existing poles is determined to be not feasible, the applicant shall site the power poles outside the limits	Review of documentation from VAFB. Review plans and	Prior to land use clearance for construction of power line. Prior to construction or	SBC P&D and EQAP Biologist

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	<p>of the Santa Ynez River riparian vegetation, use “raptor-safe” pole designs with the conductors spaced as far apart as possible to minimize the potential for bird wings to span them, install poles and lines outside the breeding season of birds (March 1 through August 15), cover the augered holes if the poles are not installed immediately, elevate the power line above the level of the tree canopy, taking into consideration future growth of the canopy, and fit wires with some type of device to make them more visible, such as bright-colored plastic balls. <u>If the pole lines are of a type that raptors might nest on, investigate the feasibility of Pole designs will either discourage raptor nesting or be made suitable for nesting by fitting the poles with 3 ft. by 3 ft. nesting platforms a minimum of 4 feet above the tops of the poles as recommended by the California Department of Fish and Game (CDFG). CDFG and the U.S. Fish and Wildlife Service (USFWS) will be contacted for review and approval of pole design at the time the power line to Valve #2 is deemed necessary.</u></p>	<p>specifications Onsite verification.</p>	<p>ground breaking. During construction.</p>	
TB-3	<p><u>Immediately (within 48 hours) prior to each critical pole placement activity, including excavation, foundation installation, pole placement, and stringing, construction</u>-applicant-funded surveys within the disturbance area shall be conducted by a SBC- <u>and VAFB</u>-approved wildlife biologist to document and remove individuals of wildlife species encountered, including reptiles, amphibians, and badgers and other burrowing animals, as appropriate to suitable habitat outside the area of impact. The construction area should <u>shall</u> be regularly monitored to ensure that wildlife species do not enter areas where they would be exposed to hazards.</p>	<p>Periodic site visits by qualified biologist prior to and during construction activities.</p>	<p>Prior to and during construction and ground disturbance activities.</p>	SBC EQAP Biologist
TB-4	<p>All ground disturbance activities shall occur, if feasible, during the dry season (generally April 1 through November 1). Work can continue during the rainy season if a County <u>and CCC (if required)</u> approved erosion and sediment control plan is in place. Applicant shall submit construction plans and schedule to SBC <u>and CCC (if required)</u> for review and approval prior to land use clearance.</p>	<p>Site inspection prior to construction.</p>	<p>Prior to construction or ground disturbing activities.</p>	SBC EQAP Biologist

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TB-5	<p>Site-specific measures consistent with the <u>Restoration, Erosion Control, and Revegetation Plan (RECRP)</u> approved under Point Pedernales FDP <u>Condition H-1 shall be updated and implemented as applicable to new areas of ground disturbance along the existing ROW.</u> Erosion and sediment control measures (e.g., <u>water bars</u>, silt fencing, dust control, and/or other appropriate measures) shall be implemented at any drainages; along portions of the affected project area that intersect slopes greater than a 2-to-1 incline; and within 200 feet of downslope water bodies. Appropriate erosion and sediment control measures shall be installed prior to ground disturbance and maintained until after the rainy season or until vegetation has become re-established in the disturbed areas. The applicant shall submit erosion and sediment control plans and specifications to SBC for approval prior to land use clearance.</p>	<p>Periodic site inspections during construction on areas being disturbed.</p>	<p>Prior to and during construction during the rainy season and maintained until after the rainy season or until vegetation has become re-established in the disturbed areas.</p>	<p>SBC EQAP Biologist</p>
TB-6	<p>Applicant shall prepare and submit <u>as an update to the RECRP (FDP Condition H-1 and applicable CDP conditions approved under PXP), a Standard Maintenance and Repair Plan that will include</u> plans for restricting work areas, delineating construction zones, biological surveys of disturbance areas, and impact minimization efforts, including scheduling. Where ground disturbances are required, the Plan would specifically include:</p> <ul style="list-style-type: none"> • Restrict construction activities, equipment and personnel to existing disturbed areas (such as roads, pads, or otherwise disturbed areas) to the maximum extent feasible. • Clearly mark and delineate in the field the limits of the construction zone. Personnel or equipment in native habitats outside the construction limits shall be prohibited. • Biologically sensitive resources, such as occurrences of sensitive plant species including sand mesa manzanita, La Purisima manzanita, Gaviota tarplant, coast buckwheat (which may support El Segundo blue butterfly) and black-flowered figwort as well as individual oak trees, shall be identified through surveys conducted by a qualified biologist acceptable to the resource agencies prior to ground disturbance and shall be clearly marked on work or construction plans so they may be avoided. • Where avoidance of biologically sensitive features is infeasible, the plan shall specify means by which impacts on the features would be minimized and their survival and recovery facilitated (such as preserving the root system and root crown of resprouting species such as sand mesa manzanita). 	<p>Plan approval by SBC P&D Department (EQAP) and periodic inspections during construction.</p>	<p>Prior to issuance of the coastal development permit and any future land use clearances for grading.</p>	<p>SBC EQAP Biologist</p>
TB-7	<p>Site-specific measures listed in the approved RECRP (FDP Condition H-1 and applicable CDP conditions) shall be updated and implemented as applicable for new areas of ground disturbance along the existing pipeline right-of-way. Prior to the issuance of a Land Use Permit, <u>an updated RECRP a Habitat Revegetation, Restoration, and Monitoring Plan (HRRMP)</u> shall be submitted to SBC Planning and</p>	<p>Plan approval by SBC P&D Department (EQAP) and periodic site inspections during construction.</p>	<p>Prior to the issuance of the coastal development permit and any future land use clearances for grading. Prior</p>	<p>SBC EQAP Biologist</p>

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	<p>Development for approval. SBC Planning and Development shall consult with responsible resource agencies (including, but not limited to: CDFG, CCC, U.S. Army Corps of Engineers) to obtain their concurrence or identify any necessary modifications to the proposed plan. Once approved, the plan shall be implemented by PXP and monitored by SBC Planning and Development through advanced written updates of construction status and plans. Success of the restoration and revegetation plans should be monitored by a qualified independent biologist. The plan shall contain, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Procedures for stockpiling and replacing topsoil, replacing and stabilizing backfill, such as at stream crossings, steep or highly erodible slopes, and in dune areas. Additionally, provisions should <u>shall</u> be made for recontouring to approximate the original topography. Excess fill shall be disposed of offsite unless suitable arrangements are made with the property owner. Excess fill shall not be deposited in any drainage, or on any unstable slope. Topsoil shall be salvaged, protected, and replaced. This shall include at a minimum the upper 6-12 inches of topsoil in all areas of open land, other than road shoulders. Final construction plans shall designate areas of topsoil storage and protection, and procedures for handling excess trench spoils. Within wetland areas, topsoil salvage shall be as described above except that wetland topsoil shall be stored separately from all other spoil piles. It shall be labeled with signs as "wetland topsoil." The plan shall contain specific provisions for protection of topsoil stockpiles (such as covering them or using a tackifier or temporary hydromulch) if the soil is to be left for an extended period of time to prevent loss of topsoil due to erosion. <u>Stockpiles shall not be placed in biologically sensitive areas.</u> • Specific plans for control of erosion, gully formation, and sedimentation, including, but not limited to, sediment traps, check dams, diversion dikes, culverts, and slope drains. Plans would also include, where applicable, dikes and catch basins proposed along the pipeline route, to ensure protection and maintenance of the height of berms and containment capacity of the basins, for the life of project. A soil conservation program, to be applied in areas of 20 percent (or greater) slopes along the pipeline corridor, detailing site specific techniques, such as use of jute or excelsior netting, to stabilize soil and sand and encourage revegetation of steeper slopes. Plans shall identify areas with high erosion potential and the specific control measures for these sites. • Procedures for containing sediment and allowing continued downstream flow at stream or biologically significant drainage crossings (identified in the Point Pedernales EIS/EIR [84-EIR-7]), including scheduling construction activities during periods of historical low-flow and having erosion control structures or sediment retention devices in place prior to start of construction. Existing water levels in all streams shall be maintained at all times during construction. • Procedures for timely re-establishment of vegetation that replicates indigenous and naturalized communities 		<p>to and during construction or ground disturbing activities.</p>	

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	<p>disturbed. These should include: measures preventing invasion and/or spread of undesired plant species; restoration of wildlife habitat; restoration of native communities and native plant species propagated from locally-acquired existing plant species, including any sensitive species (such as sand mesa manzanita, La Purisima manzanita, and black-flowered figwort); and replacement of trees at the appropriate rate. <u>RECRP performance criteria for weed invasion shall be updated to require action to control any and all invasive noxious weeds (listed as of 2007 by the California Invasive Plant Council) that could interfere with revegetation efforts. Examples include, but are not limited to, Cape ivy (<i>Delairea odorata</i>) and onion weed (<i>Asphodelus fistulosus</i>).</u></p> <ul style="list-style-type: none"> • Procedures for minimizing tree removal, tree root and branch damage, and removal of or damage to other significant plant species including confining disturbance to the approved right-of-way (ROW); providing for onsite monitoring of construction by a qualified independent local biologist; and flagging significant species and areas that should be avoided. • Procedures for restoration of riparian corridor stream banks and streambed substrates and elevation, emphasizing natural and existing materials, shall be included as well as methods for minimizing exposure of riparian habitats to disturbance during construction. • Monitoring procedures and minimum performance criteria to be satisfied for revegetation and erosion control are specified in Table 5 of the existing RECRP. <u>These criteria shall be updated as necessary the performance criteria for each vegetation type, including percent coverage that must be achieved, monitoring methods and frequencies, and quantitative thresholds for success, reevaluation, or remedial action. Updates to the existing RECRP shall should consider the current level of disturbance and the condition of adjacent habitats. Consistent with the RECRP, monitoring shall should continue for 3-5 years, depending on habitat, or until performance criteria are met. Appropriate remedial measures, such as replanting, erosion control or weed (including invasive exotic species) control, shall be identified, using the existing RECRP as a guideline, and implemented if it is determined that performance criteria are not being met.</u> 			
TB-8	<p>Prior to ground disturbance or other activities, a qualified botanist shall survey all proposed construction, staging and access areas for presence of state or federally-listed plant species and for coast buckwheat, which may support El Segundo blue butterfly. Colonies shall be mapped and clearly marked and numbers of individuals in each colony and their condition determined and recorded. To the maximum extent feasible, construction areas and access roads shall avoid loss of individual plant and or damage to habitats supporting federal or state-listed plants.</p>	<p>Review of reports and on site inspections prior to and during construction for avoidance of listed plant species.</p>	<p>Prior to and during construction or ground disturbing activities.</p>	<p>SBC EQAP Biologist (with special botanical qualifications)</p>
TB-9	<p>Where impacts to these species are unavoidable, the applicant shall develop and implement a <u>site- and species-specific</u> salvage, propagation, replanting, and monitoring <u>program plan</u> consistent with the requirements of the RECRP that would utilize both</p>	<p>Program plan approval by USFWS and CDFG; field verification by</p>	<p>Prior to construction or ground disturbing activities.</p>	<p>SBC EQAP Biologist (with special botanical qualifications)</p>

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	<p>seed and salvaged (excavated) plants constituting an ample and representative sample of each colony of the species that would be impacted. The program plan shall include measures to perpetuate to the maximum extent feasible the genetic lines represented on the impacted sites by obtaining an adequate sample prior to construction, propagating them and using them in the restoration of that site. The program plan shall be approved by the <u>County, CCC, U.S. Fish and Wildlife Service-USFWS and CDFG</u> prior to its implementation. Activities involving handling of federal and/or state-listed plant species may require permits including a memorandum of understanding from USFWS and/or CDFG.</p> <p>The plan shall incorporate provisions for recreating suitable habitat and measures for re-establishing self-sustaining colonies of seaside bird's beak, beach spectacle-pod and Surf thistle should they be impacted on the site. The plan shall include provisions for monitoring and performance assessment including standards that would allow annual assessment of progress, and provisions for remedial action, should the species fail to re-establish successfully.</p>	EQAP biologist.		
TB-10	<p>All routine pipeline repair and maintenance activities occurring within the beach and foredune habitats at landfall (Wall/Surf Beach) need to be scheduled to avoid the breeding season (March 1 to September 30) of the western snowy plover and California least tern. A contingency plan for emergency repairs in this area during the nesting season needs to be developed in coordination with 30 CES/CEVPN at VAFB and with the U.S. Fish and Wildlife Service (USFWS). This may require Section 7 consultation.</p> <p>Schedule and timing restrictions for this shall be included in updated RECRP Standard Maintenance and Repair Plan (Mitigation Measure TB-6) to be submitted for SBC review and approval prior to land use clearance. The plan shall include impact avoidance measures to be implemented in the event that emergency repairs cannot be scheduled to avoid the breeding season.</p>	Standard Maintenance and Repair Plan will include timing restrictions. Plan approval by SBC P&D Department (EQAP).	Prior to construction or ground disturbing activities.	SBC P&D and EQAP Biologist
TB-11	<p>The November 2004 Core Oil Spill Response Plan and July 2005 Supplement shall be revised and updated to address increased potential spill volumes and updated procedures for oil and produced water spill clean up beneath ground surface and in sensitive habitats including rivers and streams. This plan shall include <u>updated</u>, site-specific measures for spill containment along watercourses and at other sensitive habitats. It shall specify that sensitive habitats shall be avoided to the maximum extent feasible during oil spill clean up activities. It shall include specific measures to avoid impacts on listed endangered and threatened species during response and repair operations and minimize impacts on</p>	Plan approval by SBC P&D	Prior to construction	SBC P&D

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	<p>riparian and other native habitats. The plan shall include identification of specific access points at locations where containment and clean up efforts can be initiated under different scenarios. The Access points shall be reviewed and, if necessary, additional access points shall be need to be identified immediately adjacent to pipeline river crossings and points where spilled oil could enter the Santa Ynez River, San Antonio Creek, Santa Maria River, Nipomo Creek, and Los Berros Creek. These updates This plan shall be reviewed and approved by SBC the P&D Department prior to <u>land use permit approval.</u> construction.</p>			
TB-12	<p>The Core Oil Spill Response Plan and its Supplement include species- and site-specific procedures for collection, transportation, and treatment of all potentially affected native wildlife, including sensitive species, for topsoil salvage and replacement, and procedures to minimize the loss of native seedbanks and prevent the spread of non-native weeds. Where disturbance to any habitats disturbance cannot be avoided as determined by a P&D-approved biologist, these stipulations for development and implementation of these site-specific habitat restoration plans and other site- and species-specific measures for mitigating impacts on local populations of all sensitive wildlife species and to restore native plant and animal communities to prespill conditions shall be implemented. November 2004 Core Oil Spill Response Plan and July 2005 Supplement shall be updated to provide stipulations for development and implementation of site-specific habitat restoration plans and other site-specific and species-specific measures appropriate for mitigating impacts on local populations of sensitive wildlife species and to restore native plant and animal communities to prespill conditions. Access and egress points, staging areas, and material stockpile areas that avoid sensitive habitats shall be identified prior to ground disturbance. The Core Oil Spill Response Plan and its Supplement shall include species- and site-specific procedures for collection, transportation, and treatment of all potentially affected native wildlife, including sensitive species, and for topsoil salvage and replacement. The plan shall be reviewed by the federal, state, and local agencies identified in Measure TB-11 prior to approval by the lead agencies.</p>	<p>The plan review by the same federal, state, and local agencies as in Measure TB-6a (above) prior to approval by the lead agencies.</p>	<p>Prior to construction or ground disturbing activities.</p>	SBC P&D
TB-13	<p>Prior to construction or any ground disturbance activity, the applicant shall develop identify low impact clean up procedures from the for inclusion in the Core Oil Spill Response Plan, and/or updated measures, to be implemented. Where feasible, low-impact site-specific clean up techniques such as hand cutting contaminated vegetation and using low-pressure water flushing from boats shall be specified in the Oil Spill Response Plan to remove spilled material from particularly sensitive wildlife habitats</p>	<p>The plan review by the same federal, state, and local agencies as in Measure TB-6a (above) prior to approval by the lead</p>	<p>Prior to construction or ground disturbing activities.</p>	SBC P&D

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	(e.g., coastal estuaries) because procedures such as shoveling, bulldozing, raking, and draglining can cause more damage to a sensitive habitat than the oil spill itself. <u>As described in the Oil Spill Response Plan, the applicant shall evaluate non-clean up option for all native and/or ecologically vulnerable habitats, such as coastal estuaries, shall be considered. Prior to approval of the Land Use Permit, the applicant shall revise the OSRP to update the low-impact clean up procedures consistent with current technology. These strategies shall be reviewed and revised during the required future Plan updates to include best available practices.</u>	agencies.		
TB-14	The applicant shall develop and implement a spill response training program update the OSRP to ensure that spill response personnel shall be adequately trained for response in terrestrial environments and spill containment and recovery equipment shall be inspected at least annually and maintained at full readiness. Drills shall be conducted at least annually and the results evaluated so that spill response personnel are familiar with the equipment and with the project area, including sensitive terrestrial biological resources. Rehabilitation centers, within the project area, for birds and other wildlife species affected by spilled material shall be involved in the drills. If a rehabilitation center is not available in the project area, the applicant shall contribute a pro-rata share of funds necessary to cover the costs of establishing and operating a bird and wildlife rehabilitation center.	Program adequacy shall be determined by the lead and responsible agencies.	Prior construction or ground disturbing activities and subsequently on an annual basis.	SBC P&D

5.3 Geological Resources

5.3.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
GR-1	Best Management Practices (BMPs), such as temporary berms and sedimentation traps, such as silt fencing, straw bales, and sand bags, shall be installed to minimize erosion of soils and sedimentation in nearby drainages. The BMPs shall be included in the Oil Spill Response Plan (OSRP). The BMPs shall include maintenance and inspection of the berms and sedimentation traps during rainy and non-rainy periods, as well as revegetation of impacted areas. Revegetation shall address plant type as well as monitoring to ensure appropriate coverage of exposed areas and shall be consistent with existing project revegetation plans.	Review of OSRP. Site inspections during remediation activities	Prior to issuance of coastal development permit or land use clearance for grading.	SBC P&D <u>CCC</u>

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GR-2	<p><u>The 2007 grouting program shall be completed prior to any equipment additions/modifications at the LOGP. If deemed necessary by the County System Safety and Reliability Review Committee (SSRRC), based on equipment weights and foundation requirements, an elevation survey shall be conducted before and during the equipment recommissioning additions/modification period followed by routine post-construction monitoring as deemed appropriate by the SSRRC. The elevation survey should use existing benchmarks to continue the subsidence monitoring currently being conducted at LOGP and a pre- and post-recommissioning monitoring plan shall be developed. The plan shall require a baseline survey 30 days prior to construction and once per month during LOGP equipment recommissioning/modifications. Post-commissioning survey frequency shall be based on the settlement results measured during recommissioning. The plan shall include contingencies for soil grouting or other ground stabilization measures to prevent damage to the facility.</u></p>	Annual erosion control survey reports	Annually	SBC P&D
GR-3	<p>The applicant shall implement a creek and drainage maintenance program to monitor and repair potential scour areas that could affect the pipeline integrity. The plan shall include annual surveys of the pipeline route and any adjacent drainages within 500 feet that are up slope of the pipeline right-of-way. Any areas that exhibit scouring or erosion shall be documented. Areas that exhibit increased scour should be addressed through stabilization or other appropriate permanent erosion control measures.</p>	<p>Review of creek and drainage maintenance program</p> <p>Annual surveys following construction</p>	Annually	SBC P&D <u>CCC</u>

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GR-4	The applicant shall conduct a study to determine the probable maximum tsunami and evaluate potential flooding and scour in the Santa Ynez River valley and at project facilities, as appropriate. The scour analysis shall determine a minimum burial depth to protect the pipe. In addition, the Applicant shall include in the Project Safety Plan a discussion of tsunami hazards, training and ensure that work crews receive tsunami-warning notifications from the Pacific Tsunami Warning Center (operated by NOAA) in accordance with the safety plan. If no such Project Safety Plan is prepared, a tsunami safety plan is herein required and shall include a protocol for workers to follow in the event of a tsunami. The tsunami plan shall be submitted to SBC P&D for review and approval prior to land use clearance.	Review of tsunami probability and scour analysis	Prior to land use clearance	SBC P&D <u>CCC</u>

5.4 Onshore Water Resources

5.4.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
OWR-1	Prepare a Stormwater Pollution Prevention Plan (SWPPP) that describes <u>Best Management Practices (BMPs)</u> to be implemented for the purpose of minimizing soil loss and other construction-related sources of water pollution for any new construction associated with the project. <u>The SWPPP will be prepared in accordance with RWQCB guidelines and will designate BMPs that will be followed during construction activities. Erosion-minimizing efforts may include measures such as avoiding excessive disturbance of steep slopes; using drainage control structures (e.g., coir rolls or silt fences) to direct surface runoff away from disturbed areas; strictly controlling soil stockpiling and vehicular traffic; implementing a dust-control program during construction; restricting access to sensitive areas; using vehicle mats in wet areas; and revegetating disturbed areas following construction. Erosion-control measures will be installed before extensive clearing and grading begins, and before the onset of winter rains. The SWPPP BMPs shall specify that the staging of construction materials, equipment, and excavation spoils, and refueling of equipment will be performed at least 100 feet outside of drainage channels and intermittent</u>	Review and approval of plans. Inspection of BMPs	Prior to construction	SBC P&D <u>CCC</u>

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	streams, where these receive overland runoff. <u>Mulching, seeding, or other suitable stabilization measures will be used to protect exposed areas during and after construction activities. If required, concrete washout stations will be established to avoid direct release to surface water or to areas where groundwater could become contaminated.</u> The SWPPP shall be submitted to <u>SBC/CCC</u> for review and approval prior to construction.			
OWR-2	The applicant shall construct a berm around Valve Site #2 with sufficient capacity to retain 150 percent of the maximum spill volume associated with this portion of the onshore pipeline (see Section 5.1, Risk of Upset). The applicant shall submit specific plans for the catchment basin at Valve Site #2 to <u>SBC/CCC</u> for review and approval prior to land use clearance. The berm shall be installed prior to operations.	Plan review prior to land use clearance.	Site inspections before construction sign-off. Berm installation before operation of facilities.	SBC P&D B&S <u>CCC</u>
OWR-3	Update the Oil Spill Contingency Plan and the November 2004 Oil Spill Response Plan and July 2005 Supplement to address the SCADA system and GR.1-related requirements for the proposed project and conduct annual readiness exercises and audits to ensure that containment and cleanup equipment is readily available close to areas with greatest vulnerability to spills (e.g., along the lower sections of the Santa Ynez River).	Review of OSCP and attendance at training drills.	Annual readiness exercises and spill prevention and cleanup equipment audits.	SBC P&D <u>CCC</u>
OWR-4	PXP shall ensure that catchment basins located along the Santa Ynez River section of the pipeline are cleaned and surveyed periodically to ensure that they are capable of holding at least 110 percent of the associated release volume from nearby pipeline segments. Prior to land use clearance, PXP shall provide volume calculations to SBC for each of the catchment basins for the following leak scenarios: (1) 11 minutes of pumping time for a worst case leak in accordance with the MMS Oil Spill Response Plan, Volume 2, worst case scenario, and (2) 20 minutes of pumping time for a small leak as detected by the PXP leak detection system. The total pipeline emulsion fluids, including produced water, shall be included in the calculations. If it is determined that the volume of any of the catchment basins is insufficient to fully contain the leak scenarios analyzed, the catchment basin(s) shall be expanded. Plans for catchment basin(s) expansion shall be submitted to SBC for review and approval prior to land use clearance.	Review and approval of calculations and expansion plans. Inspection of basins.	Calculation and plan review prior to land use clearance. Periodic inspection of pipeline route.	SBC P&D <u>CCC</u>

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OWR-5	Ensure that any pipeline replacement within stream beds is engineered such that the replacement pipeline and any pipeline support structures are protected from scour and erosion effects of a 100-year flood discharge. Plans demonstrating these requirements shall be submitted to <u>SBC/CCC</u> for review and approval prior to land use clearance.	Review and approval of plans.	Prior to land use clearance	SBC <u>CCC</u>
OWR-6	If soil excavation is needed to expose buried pipeline or cleanup a spill within a stream bed, the area shall be restored to the maximum extent feasible to pre-spill conditions after excavation is completed.	Construction drawings. Part of spill report..	Immediately after spill occurrence.	SBC P&D

5.5 Marine Biology

5.5.7 Mitigation Monitoring Plan

Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
MB-1a	The November 2004 Core OSRP and July 2005 Supplement shall be updated to incorporate changes in platform activities that result from the proposed project. For example, the plan shall incorporate detailed response procedures for marine oil spills resulting from a blowout if wells producing the Tranquillon-Ridge field are expected to be free flowing. Worst-case discharge scenarios shall be updated accordingly. In addition, lessons learned from the cleanup of the 1997 oil spill shall be incorporated into the Response Plan. The efficacy of various containment and cleanup techniques applied during the 1997 spill shall be evaluated with regard to potential future spills. Hindcasts of the observed oil-spill trajectory shall be used to improve site-specific trajectory models. Potential ecological damage resulting from cleanup techniques applied in 1997 shall be discussed. <u>The updated OSRP shall specifically detail methods to reduce impacts to sea otters and pinniped colonies should a spill occur. This discussion shall include methods for preventing oil from reaching pinniped colonies and places where otters congregate, and detailed protocols for handling and rehabilitation of oiled otters and pinnipeds. Specific methods to avoid disturbing pinniped colonies during cleanup activities shall be identified. The updated OSRP shall also re-evaluate the toxicity of Corexit 9527 and its</u>	Review of OSRP and annual training logs.	Prior to drilling followed by annual audits of the OSRP and training logs and manuals	SBC P&D, CSLC, CCC, CDFG, MMS

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Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	<p><u>inclusion as a potential dispersant for the Tranquillon Ridge project, based on current information.</u></p> <p>The personnel and training sections of the OSRP shall be updated to identify training requirements for all personnel who would respond to oil spills. At a minimum, new personnel shall be trained immediately in the overall operational aspects of oil spill response, including the proper use of all equipment that would be utilized in spill response. Annual training for all personnel shall also be included in the OSRP. The annual training shall include training in the operation of new equipment that may be utilized in oil spill response, retraining in the operation of existing equipment, and review of the oil spill response requirements that are identified in the OSRP.</p>			
MB-1b	<p>In order to provide a baseline for shoreline clean-up efforts in the event of a spill, the applicant shall contribute to the funding of a program to document the amount, variability, and chemical fingerprint of the tar normally present in the intertidal zone within the potential oil spill zone. The program shall include both visual observations and chemical sampling of tar along five segments (less than or equal to one-mile each) of shoreline located within the area of the coast located between Point Sal and Point Conception. The program shall continue for as long as Tranquillon Ridge Field development is occurring or until analysis of the collected data indicates that extension of sampling will not significantly increase understanding of the pattern of tar deposition and improve documentation of the baseline.</p> <p>The amount of tar shall be estimated and its chemical fingerprint determined, based on the shoreline tar sampling protocol used by the U.S. Geological Survey (USGS) in its MMS-funded study "Submarine Oil and Gas Seeps of the Southern Offshore Santa Maria Basin, California" (2001-2004). The program shall document visual observations and chemical sampling. The samples shall be analyzed for chemical fingerprint in the USGS laboratory. If analysis by the USGS is not available, another comparable fingerprinting method may be substituted. Annual cost of the applicant's contribution to this program shall not exceed \$100,000. The program shall be developed in cooperation with Santa Barbara County's</p>	Receive funding	Prior to production	SBC P&D, CSLC, CCC, CDFG, MMS

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Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	Department of Planning and Development, and shall be coordinated by the Energy Division. The Energy Division shall evaluate the program on an annual basis in coordination with staffs of the California State Lands Commission, California Coastal Commission, Department of Fish and Game Office of Spill Prevention and Response, and Minerals Management Service. If new information indicates that changes to the methodology or protocol would improve the efficiency or accuracy of determining baseline oiling conditions, the County shall revise the program. Any revisions to the program shall not cause the annual cost to the applicant to exceed the \$100,000 limitation			
<u>MB-1c</u>	<u>PXP shall make a yearly contribution not to exceed \$90,000 (in 2007 dollars) toward establishing a marine mammal and sea bird impact mitigation fund. The funding shall be used for either facilities construction or operating costs associated with the rescue and rehabilitation of injured marine mammals and sea birds. This yearly contribution shall be credited toward PXP's annual Coastal Resource Enhancement Fund (CREF) assessment for environmentally sensitive resource impacts, as currently required by Condition N-1 of PXP's Final Development Plan for the Point Pedernales Project.</u>	<u>Annual payment.</u>	<u>Annual</u>	<u>SBC</u>
MB-2	The shunt depth (150 feet below the sea surface) for the discharge of drilling muds and cuttings shall be continued for the proposed project. The shunt depth shall be stated in the development plan that is submitted to MMS prior to drilling.	Site inspection	Prior to drilling activities	MMS
MB-3	The shunt depth (180 feet (55 m) below the sea surface) for the discharge of produced water shall be continued for the proposed project. The shunt depth shall be stated in the development plan that is submitted to MMS prior to drilling.	Site inspection	Prior to production	MMS
MB-4	A marine mammal observer shall be employed on each vessel servicing Platform Irene as described herein. The observer shall be provided training, which focuses on the identification of marine mammal species, the specific behavior of species common to the project area, and awareness of seasonal concentrations of marine mammals. The marine mammal observer shall be placed on all support vessels during the spring and fall gray whale migration periods and during periods/seasons having high concentrations of marine mammals in the project area, <u>such as the early summer blue whale migration.</u> The	Review of training plans and annual training logs	Prior to drilling activities	MMS

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Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	<p>observer shall have no other responsibilities during periods when the vessels are in transit.</p> <p>The observer shall have unobstructed views onboard each vessel and serve as lookout so that collisions with marine mammals can be avoided. Additionally, vessel operators or the applicant shall develop, submit for approval, and implement a contingency plan that focuses on avoidance procedures when marine mammals are encountered at sea. Minimum components of the plan include:</p> <p>a) Vessel operators will make every effort to maintain a distance of 1,000 feet from sighted whales and other threatened or endangered marine mammals or marine turtles.</p> <p>b) Support vessels will not cross directly in front of migrating whales or any other threatened or endangered marine mammals or marine turtles. <u>Vessel operators shall avoid travelling through blue whale feeding grounds and shall adjust transit routes to avoid large-scale krill populations during the annual blue whale migration period in the Santa Barbara Channel.</u></p> <p>c) When paralleling whales, support vessels will operate at a constant speed that is not faster than the whales.</p> <p>e) Female whales will not be separated from their calves.</p> <p>f) Vessel operators will not herd or drive whales.</p> <p>g) If a whale engages in evasive or defensive action, support vessels will drop back until the animal moves out of the area.</p> <p>Any collisions with marine wildlife will be reported promptly to the Federal and State agencies pursuant to each agency's reporting procedures.</p>			
<p>MB-5</p>	<p>PXP shall make a yearly contribution of \$90,000 toward establishing a marine mammal and sea bird impact mitigation fund. The funding shall be used for either facilities construction or operating costs associated with the rescue and rehabilitation of injured marine mammals and sea birds. This yearly contribution shall be in lieu of the applicant's annual three (3) point Coastal Resource Enhancement Fund (CREF) assessment for biological resource impacts, as currently required by Condition N-1 of PXP's Final Development Plan for the Point Pedernales Project.</p>	<p>Annual payment.</p>	<p>Annual</p>	<p>SBC</p>

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5.6 Oceanography and Marine Water Quality

5.6.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
MWQ-1	Offshore inspections of the wet-oil pipeline shall continue to be conducted on a regular basis as determined by the County and/or other regulatory agency throughout the life of the project. Inspections shall use the best available technology to identify unsupported spans and deteriorating or inadequate welds. When structural anomalies or unsupported spans are identified that compromise the integrity of the pipeline as determined by the County and/or other regulatory agency, flow through the pipeline shall cease until repairs can be effected, spans can be supported, or problematic pipeline components can be replaced. If the leak detection system causes an unexplained shutdown of flow through the offshore pipeline, flow shall remain shutdown until the entire length of pipe is inspected. The applicant shall submit annual inspection reports the parties responsible for verification. These requirements shall be referenced in the project's Safety, Inspection, Maintenance, and Quality Assurance Program (SIMQAP).	Review of inspection and repair records.	During Operations	MMS CSLC SBC P&D SBC B&S

5.7 Commercial and Recreational Fishing

5.7.7 Mitigation Monitoring Plan

Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
CRF/KH-1	Disputes over damage to commercial fishing gear resulting from support vessel traffic to and from Platform Irene shall be submitted to the Joint Oil/Fisheries Committee for resolution.	Review of dispute resolution documentation	During Operations	CSLC SBC
CRF/KH-2	At the time of platform abandonment, the applicant shall ensure that the environmental review of the abandonment activities pursuant to the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), as appropriate, includes an analysis as to whether or not the shell mounds should be removed or modified so they do not interfere with commercial trawling activities. This subsequent NEPA/CEQA review shall evaluate the best available technologies for removal or modification	Abandonment EIR/EIS Process	During preparation of the abandonment EIR/EIS	MMS and all responsible agencies

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Mitigation Measure	Plan Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	of the shell mounds. The best available technology shall be determined by the applicant and the permitting agencies, in consultation with the Joint Oil/Fisheries Liaison Office <u>and shall be implemented.</u>			

5.8 Air Quality

5.8.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Air-1	<p>PXP shall prepare and submit Dust Control and Reduction Plan to SBCAPCD prior to land use clearance. PXP shall implement dust reduction measures during construction. The following APCD Standard Dust Mitigation Measures shall be implemented:</p> <ol style="list-style-type: none"> 1. Dust generated by the development activities shall be retained onsite and kept to a minimum by following the dust control measures listed below. Reclaimed water shall be used whenever possible. <ol style="list-style-type: none"> a. During clearing, grading, earth moving or excavation, water trucks or sprinkler systems are to be used in sufficient quantities to prevent dust from leaving the site and to create a crust, after each day's activities cease. b. After clearing, grading, earth moving or excavation is completed, the disturbed area must be treated by watering, or revegetating; or by spreading soil binders until the area is paved or otherwise developed so that dust generation would not occur. c. During construction, water trucks or sprinkler systems shall be used to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this would include wetting down such areas in the late morning and after work is completed for the day. Increased watering frequency will be required whenever the wind speed exceeds 15 mph. 2. Importation, exportation and stockpiling of fill material: <ol style="list-style-type: none"> a. Soil stockpiled for more than two days shall be covered, kept moist, or treated with soil binders to prevent dust generation. b. Trucks transporting fill material to and from the site shall be tarped from the point of origin. 	<p>Review and approval of the Dust Control Plan.</p> <p>Compliance with the Plan shall be verified by construction site visits.</p>	<p>Prior to land use clearance</p> <p>Periodically during construction</p>	SBCAPCD SBC P&D

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	<p>c. If the construction site is greater than five acres, gravel pads must be installed at all access points to minimize tracking of mud onto public roads.</p> <p>3. Activation of increased dust control measures:</p> <p>a. The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the APCD.</p>			
Air-2	<p>PXP shall ensure that emission reductions are provided to fully mitigate increases in operational <u>criteria pollutant</u> emissions associated with the proposed project consistent with SBCAPCD Rules and Regulations. The documentation supporting the available emission mitigations for operations shall be submitted to the SBCAPCD prior to land use clearance. No operations shall occur until the applicable project Permits to Operate are modified.</p>	Review of the supporting documentation for the mitigations	Prior to land use clearance	SBCAPCD SBC P&D

5.9 Traffic

5.9.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
T-1	<p>The applicant shall include a restriction on delivery of equipment and supplies to non-rush hour periods (rush hour periods are considered to be 7a.m. to 9a.m. and 4p.m. to 6p.m.) in the project construction plans that are sent out in the contractor bid packages. The construction plans shall be submitted to SBC Planning and Development for approval prior to land use clearance.</p>	EQAP inspections during construction.	During Construction	SBC P&D
T-2	<p>The applicant shall include a restriction on LPG/NGL and sulfur truck traffic at the LOGP to non-rush hour periods (rush hour period are considered to be 7a.m. to 9a.m. and 4p.m. to 6p.m.) in their contracts with vendors. The applicant shall also document arrival and departure times for these trucks. This requirement shall be include in the Traffic Management Plan (TMP). The revised TMP shall be submitted to SBC Planning and Development for approval prior to land use clearance.</p>	Annual audit of shipping records.	During Operations	SBC P&D
T-3	<p>Require supply boats from Port Hueneme to use the Coast Guard's recommended marine traffic corridors to the maximum extent feasible.</p>	Annual audit of marine vessel contracts	During Operations	SBC P&D

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5.10 Noise

5.10.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
N-1	PXP shall establish <u>adhere to</u> overland flight height minimums of 1,000 feet, when feasible with the approval of the FAA, and shall not fly over Oso Flaco Lake.	Flight records shall be maintained for six months and shall be provided to P&D upon request.	Operations	SBC P&D
N-2	Construction activities shall be limited to 7:00 a.m. and 4:00 p.m., Monday through Friday. Construction equipment maintenance shall be limited to the same hours. Non-noise generating construction activities such as interior painting are not subject to these restrictions. Signs stating these restrictions shall be provided by the applicant and posted on site. Signs shall note appropriate contact information for a complaint to be filed. Signs shall be in place prior to issuance of Land Use Permit and throughout grading and construction activities. All complaints received shall be forwarded by the applicant to SBC within 24 hours of their receipt.	Periodic inspection and response to complaints	Prior to and during construction	SBC P&D

5.11 Fire Protection and Emergency Response

5.11.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Fire-1	PXP shall review and revise the Fire Protection Plan, Emergency Response Plan and Oil Spill Response Plan that apply to all the facilities which will have equipment or operations modifications due to the proposed project. The plans shall be submitted to the SBC Fire Department and P&D for review and approval prior to land use clearance.	The plans shall be reviewed prior to Land Use clearance.	Compliance with the plans shall be verified by annual drill and audit.	SBCFD

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Fire-2	The applicant shall update the LOGP Fire Protection Plan (<u>FDP condition P-10</u>) to include the power line, in particular, the Flammable Vegetation Management Plan, and Fire Prevention and Inspection Program parts of the plan to minimize possibility of a brush fire. The applicant shall submit the updated Fire Protection Plan to SBC Fire Department for review and approval prior to land use clearance.	Prior to Land Use clearance.	Compliance with the Fire Protection Plan shall be verified through regular drills.	SBCFD

5.12 Cultural Resources

5.12.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
CR-1	PXP shall prepare and submit grading plans showing all ground disturbances within 200 feet of a recorded archaeological site. The grading plans shall be submitted to P&D prior to issuance of coastal development permit or land use clearance for grading. All ground disturbance within 200 feet of a recorded archaeological site shall be monitored by a County-qualified archaeologist and, if prehistoric, by a Native American observer, unless the resource has been previously determined to have no potential for significance because it is re-deposited, an isolated occurrence, modern, or otherwise lacks data potential.	Grading Plan review. EQAP monitoring.	Throughout ground disturbance activities.	SBC P&D
CR-2	PXP shall revise grading plans to include note for protocols to follow during unexpected discovery of archaeological resources. The grading plans shall be submitted to P&D prior to issuance of coastal development permit or land use clearance for grading. Prior to construction all crew members shall receive training on unanticipated cultural resource discovery protocols. In the event of an unanticipated cultural resource discovery during construction, all ground disturbances within 200 feet of the discovery shall be halted or re-directed to other areas until the discovery has been documented by a county-qualified archaeologist, and its potential significance evaluated consistent with Santa Barbara County Cultural Resource Guidelines. Resources considered significant shall be avoided by project redesign. If avoidance is not	Grading Plan review. Crew Training sign-in log. EQAP monitoring.	Prior to (crew training) and throughout ground disturbance activities.	SBC P&D

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	feasible, the cultural resource shall be subject to a Phase 3 data recovery mitigation program (with Native American monitoring, if applicable), consistent with Santa Barbara County Cultural Resource Guidelines.			
CR-3	If pipeline maintenance and repair are planned on a segment of the unsurveyed pipeline route, then a Phase 1 archaeological surface survey shall be conducted prior to land use clearance for grading to identify any cultural resources that may be affected. If a cultural resource is encountered during the survey, it shall be documented by a County-qualified archaeologist and its potential significance evaluated in terms of applicable criteria prior to maintenance and repair work. Resources considered significant shall be avoided or subject to a Phase 3 data recovery program (with Native American monitoring, if applicable), consistent with Santa Barbara County Cultural Resource Guidelines.	PXP shall submit results of Phase 1 survey to P&D.	Plan review. Any recommendations resulting from Phase 1 report to apply throughout ground disturbance activities.	SBC P&D
CR-4	A Phase 1 archaeological surface survey shall be conducted at unsurveyed areas of ground disturbance associated with installation of the power pole line across the Santa Ynez River and proposed trenching areas prior to land use clearance to identify any cultural resources that may be affected during construction. If a cultural resource is encountered during the survey, it shall be avoided by power pole and/or trench relocation. If archaeological site avoidance is technologically infeasible due to topographic or engineering constraints, the site's potential significance shall be evaluated pursuant to Santa Barbara County Cultural Resource Guidelines and CEQA <u>Guidelines</u> Section 15064.5 criteria. Resources considered significant and unavoidable shall be subject to a Phase 3 data recovery program (with Native American monitoring, if prehistoric), consistent with Santa Barbara County Cultural Resource Guidelines, and if located on VAFB, shall incorporate the investigation methodology reviewed and approved by VAFB environmental management staff. To comply with VAFB requirements, any trenching or excavation in a floodplain on VAFB shall require archaeological monitoring.	PXP shall submit results of Phase 1 surveys to P&D.	Plan review. Any recommendations resulting from Phase 1 report to apply throughout ground disturbance activities.	SBC P&D

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
CR-5	The Oil Spill Response Plan (OSRP) shall be revised to include procedures for minimizing impacts on cultural resources during oil spill containment and cleanup activities. These procedures shall include contacting a County-qualified archaeologist and Native American monitor in the event of a spill. To the extent possible, heavy earth moving equipment or manual excavation shall be minimized at archaeological sites. If unanticipated cultural resources are discovered during containment and cleanup activities, then a county-qualified archaeologist shall document the discovery at the earliest time it is deemed safe to do so. It is possible that post-cleanup archaeological excavations (with Native American monitoring, if applicable) shall be necessary to help mitigate impacts from the containment/cleanup ground disturbances. The revised OSRP shall be submitted to P&D prior to issuance of coastal development permit or land use clearance for grading.	Revised OSRP review. EQAP monitoring during spill clean up	Revised OSRP review. During spill clean-up	SBC P&D

5.13 Aesthetics/Visual Resources

5.13.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Visual-1	The applicant shall prepare and implement a visual mitigation plan for the Surf Substation that provides for better screening of the facility. The plan shall address measures to reduce the visual impact of the facility including, but not limited to, painting of substation substructures and re-landscaping. The plan shall be submitted to SBC P&D for approval prior to land use clearance.	Review of the plans. Review of implementation efforts.	Prior to land use clearance. Annually during operations.	SBC P&D
Visual-2	To minimize visual effects, all new equipment shall be painted in colors that are compatible with the surroundings. The applicant shall submit the painting plans for the new facilities to SBC P&D before land use clearance. In addition, future painting plans for any existing portions of the LOGP shall be submitted to SBC for review and approval prior to commencing with painting.	Review of the plans. Review of the finished facilities.	Prior to land use clearance. After completion of painting implementation.	SBC P&D

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Visual-3	Prior to constructing the power line to Valve Site #2, the applicant shall enter into discussions with VAFB to determine the feasibility of placing the power line on the 13th Street bridge or using the existing VAFB power poles for crossing the Santa Ynez River. The applicant shall also use existing poles to the maximum extent feasible for approaching the existing pipeline corridor's dirt road. The applicant shall utilize one of these options if they are allowed by VAFB. The applicant shall submit documentation to the SBC P&D from VAFB detailing their position on using the 13th Street bridge or the existing power poles for crossing the Santa Ynez River by the power line to Valve Site #2. This documentation shall be submitted to SBC P&D prior to land use clearance for construction of the power line to Valve Site #2.	Review of documentation from VAFB.	Prior to land use clearance approval for construction of power line to Valve Site #2.	SBC P&D
Visual-4	The applicant shall implement a lighting plan that would minimize nighttime glare. The applicant shall submit the plan to SBC P&D for review and approval prior to land use clearance. The plan shall include the facility lighting placement and design.	Review of plan	Prior to land use clearance	SBC P&D

5.15 Agricultural Resources

5.15.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
AG-1	PXP shall revise the Oil Spill Response Plan (OSRP) and submit for review and approval. Plan shall include specific cleanup techniques for agricultural lands focusing on minimizing removal of top soil. OSRP shall include compensation plan for the purchase of agricultural crops lost/damaged and replacement of removed top soil with equivalent imported soils.	Revised OSRP shall be reviewed and approved.	PCDP/LUP	SBC P&D Fire
AG-2	Monetary Payment for Lost Agricultural Productivity. Landowners shall receive compensation for the loss of any crops directly resulting from pipeline replacement activities. Compensation will take into account the duration of lost agricultural productivity.	Crop compensation plan shall be reviewed and approved.	Prior to issuance of coastal development permits or grading permits.	SBC P&D
AG-23	Soil Replacement and Replanting. All soils within agricultural lands disturbed by pipeline replacement activities shall be replaced and if necessary enriched to support their former crops (or cattle grazing areas). All disturbed areas shall be <u>restored in accordance with land owner</u>	Plan shall be reviewed and approved	Plan prior to land use clearance during restoration.	SBC P&D

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Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
	agreements, replanted at a 1:1 ratio. Applicant shall prepare and submit for review and approval, a soil preservation plan that describes activities, including soil replacement, soil enrichment, and replanting (at a 1:1 ratio) to take place after pipeline replacement activities.			

5.16 Energy and Mineral Resources

5.16.7 Mitigation Monitoring Plan

Mitigation Measure	Mitigation Requirements and Timing	Method of Verification	Timing of Verification	Party Responsible For Verification
Energy-1	PXP The applicant shall prepare energy efficiency Study to be reviewed and approved by SBC and then implemented by PXP. The Study shall address future energy consumption by function (i.e., heater treaters, etc.) and assess available options to optimize energy efficiency utilizing existing equipment and operations. The Study shall also include a cost-benefit analysis for cogeneration. The Study shall be submitted to SBC for review and approval prior to land use clearance for the Tranquillon Ridge Project modifications at the LOGP facility. Energy efficiency measures deemed feasible by the County shall be incorporated into the LOGP modifications.	Plan review and approval. Inspection of facility modifications and operations.	Plan review prior to land use clearance. Facility & operation modifications during operations.	SBC