

DOCKETED

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Filer:	Mary Dyas
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ATTACHMENT 8

Compliance Matrix

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-1	Before implementing any major change in the Air Emissions Control Systems (AECS), Emissions Monitoring System (EMS), or the Computer Control System (CCS), Sycamore Cogeneration Company shall submit the proposed change for approval. Examples of major changes are the use of an alternative AECS, EMS, or CCS, or a major change in the performance criteria.	Sixty (60) days before implementing any major change identified above, Sycamore Cogeneration Company shall submit to the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) and the California Energy Commission (CEC) the design details of the proposed change and a discussion of the potential change in air emissions from the project. Sycamore Cogeneration Company shall receive written approval from the SJVUAPCD and CEC prior to implementing any major change.	Submitted April 29, 1995. SY-5197. Complete.
CEC Decision Air Quality	AQ-2	Sycamore Cogeneration Company shall obtain from the U.S. Environmental Protection Agency (EPA) a Prevention of Significant Deterioration (PSD) permit or exemption.	Within 30 days of receipt of the PSD permit or PSD exemption notification from EPA, Sycamore Cogeneration Company shall submit a copy of the PSD permit or exemption notification to the CEC and the SJVUAPCD.	Submitted September 14, 1994. SY-4928. Complete.
CEC Decision Air Quality	AQ-3	All areas disturbed by construction in the immediate vicinity, and under Sycamore Cogeneration Company's responsibility during the construction phase, shall be properly and routinely treated for dust control by water application or paving (for access roads and construction sites), with the intent of meeting the requirements of SJVUAPCD's nuisance rule.	Sycamore Cogeneration Company shall make the construction site available to the SJVUAPCD for CEC inspection and monitoring. If any dust suppressant other than water is proposed, Sycamore Cogeneration Company shall obtain approval from the SJVUAPCD.	No action required.
CEC Decision Air Quality	AQ-4	The SJVUAPCD shall monitor compliance of the site preparation, construction, and operation of the Sycamore Cogeneration Company's Sycamore Project cogeneration plant with the Determination of Compliance and the Conditions of Certification contained in the CEC Decision on the Sycamore Project cogeneration plant, as they relate to air quality laws. The SJVUAPCD shall perform all duties and functions normally conducted by the SJVUAPCD and shall have the authority to issue a Permit to Operate. The conditions of the Permit to Operate shall be consistent with the CEC Certification Conditions.	The SJVUAPCD and the CEC staff will, at the request of either party, meet to review the status of project compliance. The CEC staff shall be allowed to review the SJVUAPCD's enforcement and project files except for "trade secrets" which will be managed as set forth in SJVUAPCD rules.	No action required.

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CEC Decision Air Quality	AQ-5	Sycamore Cogeneration Company shall design the Sycamore Project using the following design conditions: a. The combustion turbine generators (CTG's) shall be retrofitted with dry low NOx (DLN) combustors, capable of achieving 16.4 ppm or better at 15 percent O2 based on a three hour rolling average and a one hour maximum of 19.2 ppm at 15 percent O2 according to the schedule in Condition AQ-28. b. CTGs using multiple combustors shall be designed to be capable of achieving proposed emission levels. c. Exhaust gas ducting from CTG's through HRSG's to the atmosphere shall be gas-tight. d. Bypass stack valve preceding each HRSG shall be designed to be gas-tight. e. Each CTG shall have a fuel consumption monitor/recorder. f. Each HRSG exhaust stack shall be equipped with permanent stack sampling provisions consistent with Rule 1081, EPA reference Methods 5 and 8 and OSHA requirements. g. Turbine maximum heat input rate shall not exceed 1,020 MMBtu/hr when fired on natural gas or fuel oil without prior District approval.	Sycamore Cogeneration Company shall maintain and make available for inspection the "Approved for Construction Drawings" to the SJVUAPCD, CARB, and CEC upon reasonable notice (1 hour for weekdays, 8 hours for weekends and holidays). Sycamore Cogeneration Company shall make the site available for inspection by the SJVUAPCD, CARB, and CEC during both construction and operation upon reasonable notice (1 hour for weekdays, eight hours for weekends and holidays).	No action required.
CEC Decision Air Quality	AQ-6	Visible emissions from any single source operation shall not exhibit 20 percent opacity (or Ringelmann 1) or greater for periods in excess of three minutes in any one hour period.	Sycamore Cogeneration Company shall provide SJVUAPCD access to the project site to verify/monitor visible emissions.	No action required.
CEC Decision Air Quality	AQ-7	Exhaust gas particulate matter concentration shall not exceed 0.0072 gr/scf calculated at 12% CO2.	Sycamore Cogeneration Company shall allow authorized representatives of the SJVUAPCD, CARB, and CEC to enter the power plant site within one hour or sooner to monitor compliance with this Condition.	No action required.
CEC Decision Air Quality	AQ-8	No CTG shall fire fuel oil at any time.	Sycamore Cogeneration Company shall maintain a natural gas consumption log on site for inspection by SJVUAPCD, CARB, and CEC staff of monthly fuel consumed.	Statement included in Quarterly emissions report.

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CEC Decision Air Quality	AQ-9	Sixty-two (62) steam generators shall be permanently shut down and Permits to Operate surrendered (APCD #'s 4003206,214,215,216,222,223,224,225,226,227,228,229,230,231,232,233,234,246,252,255,256,257,258,259,260,262,263,264,265,266,267,276,277,310,317,352,353,354,355,362,365,368,370,373,376,397,398,399,400,401,405,414,418,419,420,423,435,436,440,441,449,and 450).	For the sixty-two (62) steam generators referenced above, the Permits to Operate shall be surrendered and the steam generators shall be physically dismantled. Sycamore shall provide documentation to the CEC that this has been completed.	Request for deletion of item 1-9 was submitted to the CEC March 2, 1993. SY-4208 Amended: December 14, 1994.
CEC Decision Air Quality	AQ-10	Deleted (the owner/operator will no longer use fuel oil as a backup fuel.)	None.	No action required.
CEC Decision Air Quality	AQ-11	The SJVUAPCD shall receive immediate written notification of pending operational status changes of the turbines. Operational records, including but not limited to fuel type or fuel characteristics, shall be maintained by Sycamore Cogeneration Company and made available to SJVUAPCD staff upon request.	Sycamore Cogeneration Company shall make the operational logs available for inspection by the SJVUAPCD, CARB, and CEC staff. Sycamore Cogeneration Company shall provide the SJVUAPCD and CEC with copies of the operational logs upon request. Monthly fuel use and fuel type logs for each turbine generator set shall be included in the quarterly compliance reports submitted to the CEC.	Request for modification of item 1.11 was submitted to the CEC March 2, 1993. SY-4208 Amended: December 14, 1994.
CEC Decision Air Quality	AQ-12	The water injection system shall be used as required to control NOx emissions at or below 140 lbm/hr NOx until such time as the DLN combustors are operational according to the schedule in Condition AQ-28.	Sycamore Cogeneration Company shall maintain records of the operation of the water injection system on the turbines as a part of the operational log required in Condition AQ-11. Sycamore Cogeneration Company shall provide SJVUAPCD and CEC with copies of the log upon request.	DLN combustors were installed in all units by 2001. No further action is required.
CEC Decision Air Quality	AQ-14	Accurate records of NOx (as NO2) and CO flue gas concentrations corrected to 15 percent O2 dry and CTG fuel sulfur content shall be maintained and shall be reported as described by SJVUAPCD Rule 1080 and upon request.	Sycamore Cogeneration Company shall make the continuous emission monitors and recorded measurements as well as fuel consumption records available to the SJVUAPCD, CARB, and CEC upon request.	Statement included in Quarterly emissions report.
CEC Decision Air Quality	AQ-15	Deleted (the owner/operator will no longer use fuel oil as a backup fuel).	None.	No action required.
CEC Decision Air Quality	AQ-16	Deleted (the owner/operator will no longer use fuel oil as a backup fuel).	None.	No action required.
CEC Decision Air Quality	AQ-17	Tankage water drawoffs, if any, shall consist of closed piping to the existing water treatment plant.	Sycamore Cogeneration Company shall provide access to the SJVUAPCD to inspect the tankage water system.	No action required.

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CEC Decision Air Quality	AQ-18	a. Start up or planned shut down of a CTG shall not exceed a time period of two (2) continuous hours. b. For all CTG's the following emission limits shall apply during times of start up or planned shut down and shall be averaged over the time period specified below: NO ₂ 140.0 lbm/hr (2-hour average) CO 200 lbm/hr (1-hour average), and 140.0 lbm/hr (2-hour average)	Sycamore Cogeneration Company shall maintain records necessary to submit quarterly reports to show start up or planned shut down days and daily emissions for those days. This information shall be included in the quarterly reports already submitted to the CEC and SJVUAPCD.	Statement included in Quarterly emissions report.

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CEC Decision Air Quality	AQ-19	<p>Pollutant emissions from each CTG shall not exceed the following limits except during times of start up or shut down as defined in Condition AQ-18: Gas Fired Case: Particulates - 5.0 lbm/hr as PM10 Sulfur Compounds - 0.9 lbm/hr as SO_x (asSO₂) Oxides of Nitrogen - 1,629.6 lbm/day and - 67.9 lbm/hr as NO₂ and 16.4 ppmv at 15% O₂, calculated on a 3 hour rolling average. - 79.7 lbm/hr, 1-hpur average. Hydrocarbons - 2.5 lbm/hr (Non- methane) Carbon Monoxide - 1,056 lbm/day and 25 ppmv at 15% O₂ Protocol: For nitrogen dioxide, the Sycamore Cogeneration Company (SCC) shall identify the following for each day of operation, except during times of start up or shutdown, as defined in Condition AQ-18: (1) the daily maximum hourly mass emission rate (lbs/hr), (2) the daily maximum rolling 3-hour average mass emission rate (lbs/hr) and (3) the total daily mass emissions (lbs/day). For carbon monoxide, SCC shall identify the total daily mass emissions (lbs/day) for each day of operation, except during times of start up or shutdown, as defined in Condition AQ-18. For particulate matter (PM10), sulfur compounds (SO₂ and SO₄) and non-methane hydrocarbons, SCC shall determine through the initial source test, the fuel-based emission factors (lbs/mmBtu) for each pollutant. Using these factors, SCC shall determine the maximum allowable fuel input rate (mmBtu/hr) that would comply with the above stated emission limits (lbs/hr) (i.e., emission limit / emission factor = fuel input rate). SCC shall then compare these fuel input rates (as determined above) with the actual daily maximum fuel input rate (mmBtu/hr) for each day of operation, except during times of start up and shutdown, as defined in Condition AQ-18. SCC shall submit all excess emission reports and break down reports to demonstrate compliance with all concentration limits.</p>	<p>SCC shall submit quarterly emission reports with all the information identified in the above protocol to the CEC compliance project manager.</p>	<p>Statement included in Quarterly emissions report.</p>

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CEC Decision Air Quality	AQ-20	A continuous emission monitoring system for NOx (as NO2), CO, and CO2 shall serve each CTG flue gas stream and shall conform to SJVUAPCD Rule 1080 specifications.	Sycamore Cogeneration Company shall submit to the SJVUAPCD, and CEC 120 days before the start-up of the facility, a continuous emission monitoring plan. The plan will describe the monitoring equipment, monitoring locations, calibration techniques and schedules, and reporting format, procedures, and schedules. Within 60 days of receipt of the plan, the SJVUAPCD will advise SCC and the CEC of the acceptability of the plan.	Complete.
CEC Decision Air Quality	AQ-21	All continuous emissions monitoring systems shall be calibrated and operated according to EPA guidelines as specified in Code of Regulations (CFR) Title 40, Part 60, Appendix B.	The continuous monitoring plan submitted by Sycamore Cogeneration Company under condition AQ-20 shall include specifications that all continuous emissions monitoring systems shall be calibrated and operated according to EPA guidelines specified in CFR Title 40, Part 60, Appendix B.	Complete.
CEC Decision Air Quality	AQ-22	Ambient air monitors for NOx and CO shall be installed and operational upon start-up of the Sycamore Project cogeneration facility at three District-approved locations. (SJVUAPCD Rules 209 and 422).	Sycamore Cogeneration Company shall submit an ambient monitoring plan to the SJVUAPCD, CARB, and CEC 180 days before ambient monitoring is scheduled to begin. The SJVUAPCD, CARB and CEC will approve or disapprove the plan within 90 days of its receipt. If Sycamore Cogeneration Company plans to meet this requirement with ongoing monitoring for the Omar Hill Cogeneration Project facility, Sycamore Cogeneration Company shall request concurrence from the SJVUAPCD 30 days before participation is to begin. All ambient monitoring reports will be in a form acceptable to the CARB.	Submitted May 29, 1987 SY-626 Complete. Ambient air monitoring no longer required. Letter submitted January 12, 1995. SY-5062
CEC Decision Air Quality	AQ-23	All ambient monitors shall be calibrated and operated according to EPA guidelines as specified in CFR Title 40, Part 58, Appendix B for the life of their operation by KRCC.	The ambient monitoring plan submitted by Sycamore Cogeneration Company under Condition AQ-22 shall include specifications that all ambient air monitoring systems shall be calibrated and operated as specified in CFR Title 40, Part 58, Appendix B.	No longer required. Letter submitted January 12, 1995. SY-5062
CEC Decision Air Quality	AQ-24	Quarterly continuous and ambient monitoring reports shall be submitted to SJVUAPCD and CEC, as required by EPA regulations as specified in CFR, Title 40, Part 58, Appendix B, and Part 60 Appendix B for the operating life of the monitoring stations by SCC.	Reports shall be submitted on a quarterly basis per the above requirement.	Statement included in Quarterly emissions report.
CEC Decision Air Quality	AQ-25	Audits of all monitors shall be conducted by an independent laboratory in accordance with EPA guidelines, witnessed by the District, and reports shall be submitted to the District within 60 days of such audit for the life of the monitoring stations by SCC.	The audits for all continuous monitors and ambient air monitors will be funded by Sycamore Cogeneration Company and performed by an independent laboratory in accordance with EPA monitoring guidelines. The SJVUAPCD, CARB, and CEC staff shall be allowed to witness the audit testing. The audit reports shall be submitted to the SJVUAPCD within 30 days of each audit.	RATA performed each year and the results were submitted within the required timeframe.
CEC Decision Air Quality	AQ-26	Sycamore Cogeneration Company shall make available to the District upon request, a report of each fuel purchased.	Sycamore Cogeneration Company shall make available upon request, the fuel report, including but not limited to content, quantity, and BTU content (LHV), of the fuel.	Statement included in Quarterly emissions report.

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CEC Decision Air Quality	AQ-27	Prior to installation, Sycamore Cogeneration Company shall provide to the District details of design as it relates to air contaminant generation, emission, or control potential of the following: CTG combustion systems and NOx control water injection system.	Sycamore Cogeneration Company shall provide the above information to the SJVUAPCD and CEC 60 days before installation of the equipment identified in Condition AQ-27.	Complete.
CEC Decision Air Quality	AQ-28	Of the four (4) CTG's at the Sycamore Cogeneration Facility and the four (4) CTG's at the Kern River Cogeneration Facility, five (5) of the CTG's shall be operational with DLN combustors by August 18, 1998 and all eight (8) CTG's must be operational with DLN combustors by August 18, 2000.	The Sycamore Cogeneration Company shall submit to SJVUAPCD and the CEC evidence that the DLN installations are operational and are in compliance with the conditions stated in this document by the dates stated on or before September 18, 1998 and September 18, 2000.	DLN Retrofit Schedule: Sycamore - Unit 1 - Completed March 1997. - Unit 2 - Completed November 1997. - Unit 3 - Completed October 1996. - Unit 4 - Completed May 1997. Kern River - Unit 1 - Completed March 1995. - Unit 2 - Completed October 1995. - Unit 3 - Completed April 1999. - Unit 4 - Completed April 1998.
CEC Decision Air Quality	AQ-29	Before commercial operation commences, Sycamore Cogeneration Company shall arrange with the SJVUAPCD to have 1,047 lbm/day of actual historical emission based hydrocarbon emission reduction credits withdrawn from the Texaco Producing Inc. hydrocarbon emission reduction credit bank.	Sycamore Cogeneration Company shall forward copies of all correspondence between Sycamore Cogeneration Company and SJVUAPCD dealing with the subject matter of this Condition to the CEC. Sycamore Cogeneration Company shall provide to the CEC a demonstration that these banked credits were established by previous actual, verifiable, and enforceable emission reductions. Sycamore Cogeneration Company shall also forward to the CEC a copy of the adjusted Texaco Producing, Inc. hydrocarbon emission reduction credit banking certificate reflecting the changes required in this Condition.	Submitted August 20, 1987. SY-776 Complete.
CEC Decision Air Quality	AQ-30	Each CTG shall have a maximum heat input rate of 1020 MMBtu/hr on an LHV basis. Firing rate limit can be increased upon SJVUAPCD-witnessed emission sampling demonstration that compliance with emission sampling limits can be achieved at higher fuel consumption rates.	See verification for Condition AQ-8.	Statement included in Quarterly emissions report.
CEC Decision Air Quality	AQ-31	SCC shall request KRCC to perform source testing of the Kern River facility during the winter of 1986-1987. Results of this test will be utilized by the SJVUAPCD in setting appropriate revised sampling limits in Condition AQ-19.	SCC shall request the results of the Kern River source tests from KRCC within 30 days of completion of the tests, and within 15 days submit the source test results to the SJVUAPCD and CEC.	Testing conducted at KRCC 8/21/86 through 9/22/86, and 2/18/87. Complete.

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CEC Decision Air Quality	AQ-32	SCC shall investigate cyclonic flow stack emission turbulence with the purpose of providing suitable conditions for emission mass flow measurements, in consultation with KRCC. SCC shall submit their findings and make recommendations for a method to ensure accurate emission mass flow measurements for the Sycamore project to the SJVUAPCD and CEC.	Within 90 days of certification of the Sycamore project by the CEC, SCC shall submit a report on the cyclonic flow stack emission turbulence to the SJVUAPCD, docket the report with the CEC, and serve it on all parties. This report shall discuss the causes of the emission turbulence, the implications of emission turbulence on air emissions source testing, and recommendations for a method to ensure accurate emission mass flow measurements for the Sycamore Project.	Complete.
CEC Decision Air Quality	AQ-33	Within 21 days of filing the report required by Condition AQ-32, the CEC staff, the SJVUAPCD, the Air Resources Board, and any other interested party shall docket with the CEC and serve on all parties to the proceeding their comments on the report.		Report filed February 19, 1987, SY-430. Complete.
CEC Decision Air Quality	AQ-34	Within 21 days of service of the comments in Condition AQ-33, the Compliance Committee shall either (1) place a recommendation for Commission approval of SCC's proposals on the consent calendar of the next business meeting; or (2) schedule hearings on this matter, following which the Committee shall make a recommendation for Commission action if appropriate. In either event, the Commission's approval shall constitute an amendment to this Decision, and until such approval is given, construction on the stacks shall not begin.		Complete.

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CEC Decision Air Quality	AQ-35	<p>As a Condition of Certification for the Project, Sycamore and Texaco Producing Inc. have agreed that Sycamore and Texaco shall not bank nor use in calculating the net accumulated emissions for the remainder of the (Texaco) stationary source, any reduction, on either a permitted or actual basis, from any steam generators which have been shut down pursuant to operating conditions (d) and (e) of the final DOC dated July 14, 1986 (docketed with the CEC on July 15, 1986; Exhibit 42). Sycamore and Texaco and the ARB, in consultation with and with the concurrence of the SJVUAPCD agree that, as further Conditions of Certification, these Conditions shall be implemented as follows: A. Texaco Producing, Inc. (Texaco) shall submit to the SJVUAPCD a certification of dedication for the emission reductions realized from the shut down of the sixty- eight steam generators specified in operating conditions (d) and (e) of the final DOC dated July 14, 1986 which exceed the actual emissions reduction from the shut downs, as calculated pursuant to the methodology used by the ARB in its review of Applicant's AFC amendments dated April 3, 1986 and docketed in this proceeding May 7, 1986. Texaco shall be responsible for submitting any and all data and information required by the SJVUAPCD to validate the dedication. B. The dedication certificate shall include written conditions of use which state that the excess emission reduction credits will reflect the difference between calculating the emission reductions achieved using permitted emissions and calculating the reductions using actual emissions, are, for the life of the project, dedicated to the project and/or the sixty- eight steam generators specified in operating conditions (d) and (e) of the final DOC. Appropriate modifications shall be included on the permits for the sixty-eight affected steam generators to ensure that the ERCs are surplus, permanent, quantifiable, and enforceable by the District. C. Texaco shall not take any action to invalidate or otherwise inactivate the Certificate of Dedication as conditioned so long as the Project retains a valid permit to operate. When the Project is no longer in possession of a valid permit to operate, the Certification of Dedication shall be deemed inoperative.</p>		<p>Texaco submitted statement to KCAPCD January 12, 1987 with copies to CARB & CEC. Follow up letter sent out February 4, 1987. Complete.</p>

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		<p>of a valid permit to operate, the Certification of Dedication shall be deemed inoperative and the Emission Reduction Credits, if not used for resuming operation of the steam generators shall be available for other uses in any manner otherwise provided by law, rule, or regulation.</p>		
<p>CEC Decision Biological Resources</p>	<p>BIO-1</p>	<p>A qualified biologist will be designated by Sycamore to advise the Sycamore supervisory construction engineer of details concerning required biological surveys and mitigation. A qualified biologist is defined as meeting the minimum requirements of having a bachelor's degree in biological science, zoology, botany, ecology, or a closely related field, plus three years of working experience in field biology or by being certified by, or meeting certification requirements of, a nationally recognized biological society such as the American Ecological Society or the Wildlife Society. The appropriate experience must be demonstrated for the specific tasks to be conducted by the biologist. The supervising construction engineer will act on the advice of the biologist to ensure conformance with the Biological Resources Mitigation Implementation Plan (BRMIP) and the terms and Conditions of the certification.</p>	<p>At least thirty (30) days prior to the start of site preparation, Sycamore will provide the CEC with the name, telephone number, and qualifications of the designated biologist. The qualifications of the designated biologist will be submitted to the CEC for review. If there is a change in the designated biologist, Sycamore will submit new information to the CEC for review.</p>	<p>Submitted October 30, 1986. SY-317. Complete</p>

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CEC Decision Biological Resources	BIO-2	<p>Sycamore shall submit a detailed BRMIP specified to the Sycamore Project for review and approval by the CEC. The BRMIP shall include the following specific measures: a. Sycamore will protect the Bakersfield cactus if found anywhere in the main power plant area, pipeline rights-of-way, access roads, or fuel oil storage area associated with the Sycamore Project. Protection will be deemed to mean staking (with metal poles and signs) an area around the Bakersfield cactus that extends at least 10 feet outside the stand to the extent practicable given topographical constraints. All construction workers and permanent operators will be instructed to avoid the cactus by the implementation of an education plan similar to the Kern River Cogeneration Project plan. No disturbance of the Bakersfield cactus is planned. However, if cactus stands will be disturbed, Sycamore will transplant the affected stands to another area within the project vicinity with suitable habitat. A suitable location might be the cut and fill slopes of the Sycamore plant site or the Kern River Cogeneration Project plant site. Transplanting of these stands would be done in two or more phases to ensure that the transplanted portion has become established prior to transplanting the last part of an existing cactus stand. b. Cut and fill slopes and any other heavily disturbed construction areas of the Sycamore plant, switchyard, and access roads will be revegetated in the fall or winter following completion of construction. As determined in consultation with the CEC, specific plant species supportive of wildlife and found in the local area will be used for revegetation. c. All lightly disturbed construction areas will be allowed to revegetate naturally. These areas will be monitored by Sycamore's qualified biologist. If revegetation does not proceed in a reasonable fashion by the end of the second year after construction activities are completed, Sycamore will revegetate the areas with the same plant species in 2.b. above. d. Sycamore construction and operations workers will be educated about the need to avoid intentional or accidental disturbance of all San Joaquin kit fox (kit fox) dens. e. Sycamore will establish a monitoring program for recording worker interactions with</p>	<p>At least 90 days prior to commencement of site preparation activities, Sycamore shall provide the draft BRMIP to the CEC biology staff for review and approval. The CEC biology staff will review and comment on the draft BRMIP within 45 days of receipt. No site preparation will begin until the BRMIP is approved by the CEC.</p>	<p>a.) Submitted November 7, 1986. SY-326 & SY-377. Complete</p>

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		<p>dens. e. Sycamore will establish a monitoring program for recording worker interactions with the kit fox and the blunt-nosed leopard lizard (leopard lizard) during construction and operation of the cogeneration plant and related facilities to ensure that significant impacts to these species do not develop. Worker interaction will include all sitings within the main power plant area, pipeline right-of-way, transmission line right-of-way, access roads, or fuel oil storage area associated with the Sycamore Project. Any adverse impact to these species or other rare, threatened, or endangered species reported to or observed by Sycamore personnel will be reported to the CEC. f. Sycamore's qualified biologist will remove all leopard lizards detected within construction and operations areas using approved live-capture methods. Permits from appropriate agencies will be obtained if removal is required. CEC will be notified of any permit applications and of any removal activities prior to their occurrence. g. All reasonable efforts, including realignment of related facilities, will be taken by Sycamore to avoid destroying or otherwise affecting kit fox dens. h. No sooner than thirty (30) days prior to commencement of project construction, but prior to project construction, the project area within 150 feet of the cogeneration plant and related facilities will be surveyed for kit fox dens. The survey will include 100 percent coverage of the area and be conducted by Sycamore's qualified biologist. A construction and operation activity exclusion zone of 50-foot radius will be established for all identified multiple-opening dens. A construction and operations activity exclusion zone of 25-foot radius will be established for single-opening dens. These exclusion zones will be staked off with metal poles and cable and marked with signs. If the dens are less than the designated distance from currently existing oil field activities (i.e., roads, pumping units, oil field equipment, etc.) then the zones will be staked off with metal poles and marked with signs so as not to interfere with those activities. Exclusion zones will be established regardless of whether the den appears active or inactive. Exclusion zones will be maintained by Sycamore for the life of the</p>		

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		<p>or inactive. Exclusion zones will be maintained by Sycamore for the life of the Sycamore project. Sycamore construction within a 150-foot radius of a multiple-opening den will be allowed from July through November only. No multiple-opening den will be destroyed without prior consultation and approval by CEC staff. i. If Sycamore construction or operations activities cannot be avoided within established exclusion zones for any single or multiple-opening dens, Sycamore will notify and consult with the CEC to develop alternative measures and obtain approval prior to any activity within the exclusion zone. Sycamore's qualified biologist will monitor and document all activities within the exclusion zone. The use of the den by kit fox will be discouraged to prevent killing a kit fox should the activity result in the accidental collapse of the den. Construction or operation activities may proceed once the entrance is plugged if no activity at the den site is noted. If a kit fox returns to a plugged den during the activity, the activity within the exclusion will cease until the kit fox can be safely excluded from the construction site. Dirt plugs will be removed upon completion of the activity. j. If the destruction of a kit fox single opening den is unavoidable, the following method will be used to exclude the kit fox from the single opening den. The CEC will be notified prior to the destruction of any den. Prior to construction activity near the den, the entrance of the den will be partially blocked with loose dirt for several nights to discourage the use of the den, but will allow potentially trapped kit fox to escape. Then the den will be carefully dug out under the direction of Sycamore's qualified biologist, by hand and with a shovel, to ensure that no animals are trapped within a pocket of the den. Dens will be completely destroyed to ensure that the animal cannot reenter the den during the construction period. Den destruction will be monitored on site and documented by Sycamore's qualified biologist. k. Any den destroyed will be replaced by an artificial den. Design construction, and placement of artificial dens will be done with the consultation of the CEC.</p> <p>1. Sycamore will improve the habitat</p>		

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		<p>will be done with the consultation of the CEC.</p> <p>1. Sycamore will improve the habitat available to the kit fox prey, providing potential benefit to the kit fox. Prey habitat improvement will include revegetation of disturbed areas and irrigation of all cut and fill slopes associated with the cogeneration plant site.</p> <p>m. At least 30 days prior to the initial project construction, Sycamore's qualified biologist will survey the area within approximately a 1/2-mile radius of the cogeneration plant (a triangle-shaped area has been designated since it is easily defined by the main paved roads; the area is slightly larger than 1/2-mile radius; see attached map) to identify kit fox den locations. Exclusion zones of 50-foot radius for multiple-opening dens and 25-foot for single-openings dens will be established for all identified dens. Exclusion zones will be marked as described in 2.h. above. New construction and other activities physically affecting the habitat within the exclusion zones will only be allowed with the approval of the CEC. The exclusion zones will be maintained for the life of the Sycamore Project.</p> <p>n. Sycamore will report to the CEC all kit fox and leopard lizard road kills within the area of the cogeneration plant and related facilities, including transmission line corridors, access roads and roads traveled within the oil fields by cogeneration construction workers and cogeneration plant operators. Road kills within the steam service area will be included in the reports if they are discovered by or reported to a cogeneration construction worker or cogeneration plant operator. A schedule will be prepared by Sycamore for implementing the above mitigation and monitoring their effectiveness.</p>		

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CEC Decision Biological Resources	BIO-3	Sycamore will implement the mitigation measures and monitoring identified in the BRMIP as set forth in Condition 2 above, and Condition 6 below.	The BRMIP will be submitted to the CEC biology staff prior to beginning site preparation. Sycamore will notify the CEC, in writing, within 10 days of successfully satisfying each condition of the BRMIP. If any conditions of the plan are not successfully satisfied, Sycamore will submit proposed corrective actions within 30 days to the CEC for comment and approval. The Sycamore designated biologist will submit to the CEC semi-annual compliance statements verifying compliance and status of the requirements with the BRMIP and the Commission Decision for the portions relevant to Biological Resources. These statements will be submitted beginning six months after the start of site preparation and continuing until one year after the start of commercial operation. Thereafter, annual compliance statements and interim reports on studies in progress will be submitted for the life of the project. Sycamore will report any significant adverse impacts to rare, threatened or endangered species by phone to the CEC Compliance Project Manager within 24 hours during the normal work week or by the end of the next working day following a weekend or holiday.	Report as each condition is completed and in semi-annual compliance statements. First statement submitted August 5, 1988, SY-1219 Final Revegetation report submitted April 12, 1995. SY-5814 Annual revegetation reports no longer required per CEC letter dated February 2, 1996. Per a CEC letter dated 2/2/96, annual compliance statements are no longer required. Interim reports are required only for studies in progress.
CEC Decision Biological Resources	BIO-4	Sycamore will arrange for access for the CEC to inspect biological resource impacts, mitigation measures, and study areas during preconstruction, construction, and operation activities of the power plant and related facilities. The access will be provided upon reasonable request and at times necessary to conduct biological field observations.	Sycamore will provide documentation to the CEC that arrangements have been made for the above access.	As required
CEC Decision Biological Resources	BIO-5	Sycamore, CEC, and its designee will establish an interest bearing escrow account within one year of project certification, but in no event more than 120 days after the start of construction. Sycamore will deposit the sum of \$1,100,000 into the account for the purchase of land as habitat compensation for all unmitigated impacts of the Sycamore Project. The sum in the escrow account will be used as a fund for the purchase of suitable acreage for kit fox habitat preservation and to cover related administrative, site improvement, and site protection costs.	Within one year of project certification, but in no event more than 120 days after the start of construction, Sycamore will submit to the CEC verification of the deposit to the escrow account. Sycamore will notify the CEC that the escrow account has been established and provide a signed copy of the escrow agreement and all related documents within 15 days of executing the agreement.	Complete.
CEC Decision Biological Resources	BIO-6	One year before the cogeneration plant and one year before the transmission line are due to be deactivated, Sycamore will prepare a decommissioning plan which includes biological resource elements.	Sycamore will submit the biological resource resource elements of the decommissioning plan to the CEC for a determination of adequacy and acceptability according to the laws in effect at that time.	As Required

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CEC Decision Biological Resources	BIO-7	<p>Sycamore will maintain a map, updated quarterly, according to the BRMIP, showing the location of all marked sensitive biological resource areas (items 2.a., 2.h, 2.j, 2.m, and 2.n.). The signs located at the sensitive biological resource areas will contain a phone number to call to obtain authorization for any activity within the protected zone or to report any accidental disturbance in the zone. Sycamore's designated biologist will be notified of all requests or disturbances and consulted to ensure conformance with the BRMIP and the biological terms and Conditions of Certification. The marked sensitive biological resource areas will be maintained for the life of the Sycamore project.</p>	<p>Upon completion of the biological surveys, Sycamore will provide the CEC two copies of the map. Additional up-to-date maps will be provided by Sycamore upon CEC request. Sycamore will provide the CEC with the phone number to be called that will be shown on the signs. A summary of each of the requests and disturbances and the actions taken will be included in the Sycamore biologist's periodic compliance statement to the CEC.</p>	<p>Date of first survey November 7, 1986, SY-326. Submittal January 9, 1987, SY-377. Second survey January 1, 1987. Submitted February 18, 1987, SY-434. Complete Per a letter dated September 23, 1998, fencing around the exclusion zones listed below may be removed: 2, 3, 4, 5, 7, 8, 10, 13, 14, 15, 16, 19, 20, 24, 25, 26, 27, 31, 32, 33, 34, 35, 36, 37, 38, and 39.</p>

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CEC Decision Biological Resources	BIO-8	<p>SCC shall ensure that the pipeline construction be conducted in a manner that minimizes the amount of habitat disturbed. At least ten days before construction begins, SCC shall provide the CEC Compliance Project Manager (CPM) with aerial photographs of the pipeline route in order to document habitat disturbance prior to any construction activity. SCC shall submit a second set of aerial photographs taken of the pipeline route 30 days after construction has been completed. Both sets of aerial photographs shall be 9 x 9 inch false color infrared, stereo pairs with 60% overlap and 30% sidelap, at a scale of one inch equals 200 feet, and with mile markers clearly and accurately marked on each photo. Once the level of disturbance has been determined, SCC shall provide adequate funds to acquire and preserve suitable habitat off-site. The amount of funding required to accomplish this condition shall be based on the necessity to purchase three acres of compensation habitat (for each endangered species affected) for every acre of permanently disturbed habitat caused by trenching or surface grading and one acre of compensation habitat for every acre of temporary disturbance caused by above ground placement of pipe. The preliminary estimate is 34.55 acres at \$1,000.00 per acre provided that the habitat for Bakersfield cactus will not be permanently disturbed. Because the precise amount cannot be readily determined at this time, habitat acquisition guarantee funding in the amount of \$50,000 shall be established in an interest bearing account by SCC no later than ten days after this amendment has been approved by the CEC and before the start of construction. This account shall be established in a financial institution selected by SCC. The interest rate shall be that of the average money market account or better at the time the account is established. Construction related activities at the site shall not begin until all aspects of this condition are completed to the satisfaction of the CEC CPM. Once the final amount of disturbance and habitat compensation has been determined by CEC CPM in consultation with DFG and USFWS, SCC shall either add to the fund or receive a refund as appropriate.</p>	<p>No later than fifteen days after this amendment has been approved by the CEC and before the start of construction, SCC will provide the CEC CPM copies of documents showing that the guarantee account has been established in the amount of \$50,000. Within 30 days of CEC staff's final determination of habitat disturbance and compensation, SCC will provide the CEC CPM a check for deposit into the State Special Deposit Fund Account already established for Sycamore through the State Controller's office as Acct. # 945035-45-505. If SCC has not complied with any aspect of this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to start, or continue if already started. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	<p>Baseline aerials submitted October 31, 1991. Postconstruction aerials submitted April 21, 1992 SY - 2957. KR-4959. Complete. Habitat Compensation Check Submitted November 13, 1991 SY-2633. KR-4657. Complete.</p>

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CEC Decision Biological Resources	BIO-9	<p>DFG and USFWS, SCC shall either add to the fund or receive a refund as appropriate. Within thirty days following the CEC CPM's final determination of habitat disturbance and compensation required, SCC shall transfer the appropriate funds and interest accrued on those funds to the CEC CPM for deposit into the Special Deposit Fund Account already established for Sycamore through the State Controller's Office as Acct# 942035-45-505.</p> <p>A qualified biologist designated by SCC shall be present or readily available during all phases of construction and shall advise SCC's construction supervisor of details concerning required conditions and mitigation. The biologist shall also ensure that all endangered species are properly protected during construction activities. The designated biologist for this project is defined as meeting the minimum requirements of having a bachelor's degree in biological science, zoology, botany, ecology, or closely related field, plus one year experience working with biological resources found in the Southern San Joaquin Valley. The designated biologist shall submit to the CEC CPM for review and approval, resumes of all other biologists who will work on this project. Resumes shall be delivered to the CEC CPM at least 15 days before said biologist is scheduled to begin work. Construction related activities at the site shall not begin until all aspects of this condition are completed to the satisfaction of the CEC CPM.</p>	<p>The CEC CPM will review resumes and notify the designated biologist of approval or rejection of the proposed biologists within 5 days of receiving resumes. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	<p>Submitted October 22, 1991 SY-2604. KR-4626. Complete.</p>

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CEC Decision Biological Resources	BIO-10	<p>No sooner than 30 calendar days prior to the start of construction the designated biologist or other qualified biologist approved by the CEC CPM shall conduct a pre-construction survey of the SCC pipeline route to identify important biological resources. SCC shall provide the CEC CPM a written survey schedule at least 10 days prior to the start of the survey. This survey shall be conducted in a 200-foot wide corridor centered on the pipeline route and 200 feet around any area outside the corridor that will be impacted during construction, e.g., staging areas, access roads. The locations of important biological resources recorded during the previous biological inventory surveys of the pipeline shall be confirmed and any previously unidentified important resources shall be mapped and recorded. Important biological resources include all known or potential San Joaquin kit fox dens, San Joaquin antelope squirrel or blunt-nosed leopard lizard activity areas, Bakersfield cactus and other sensitive plant species* locations, or any other recognized important biological resource(s) that the biologist determines will be adversely impacted by pipeline construction. Construction related activities at the site shall not begin until all aspects of this condition are completed to the satisfaction of the CEC CPM. * "Sensitive species" are: threatened or endangered species, candidate threatened or endangered species, endangered and rare plant species recognized by the California Native Plant Society, and "species of special concern" as identified by the California Department of Fish and Game.</p>	<p>Based on the preconstruction survey schedule, the CEC CPM or designee will determine through visits to the project site in the company of the SCC biologist, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with any aspect of this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to commence. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after the receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be reached.</p>	<p>Submitted November 1, 1991 SY-2618 (and Addendum SY-2628). KR-4639 (and Addendum KR-4653). Complete.</p>

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CEC Decision Biological Resources	BIO-11	A written report detailing the results of the preconstruction survey(s) shall be submitted to CDFG, USFWS and the CEC CPM. This report shall contain maps showing the locations of all important biological resources recorded during the preconstruction survey(s). The maps shall have a 1:12,000 scale topographic base. Updated maps shall be given to the construction contractor. No construction activity shall begin at the project site until the CEC CPM has notified SCC, in writing, that the report is satisfactory.	Within 15 working days after receiving the report, the CEC CPM will determine if preconstruction mitigation requirements have been met and notify SCC of the results. If the report is satisfactory, the CEC CPM will notify SCC that this condition has been met and construction may begin. If the report is not satisfactory, the CEC CPM will provide SCC with written questions and allow SCC five working days to respond. In the event that the CEC CPM finds that the report as submitted is substantially incomplete, the CEC CPM may require SCC to revise and resubmit the report.	Submitted November 1, 1991 SY-2618 (and Addendum SY-2628). KR-4639 (and Addendum KR-4653). Complete.

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CEC Decision Biological Resources	12	<p>Kit fox use of dens in the project area shall be evaluated during the preconstruction surveys by the designated biologist or other qualified biologist approved by the CEC CPM. Kit fox dens shall be classified according to the following USFWS definitions. - Known Den: Any existing natural den or man-made structure for which conclusive evidence or strong circumstantial evidence can be shown that the den is used or has been used at any time in the past by San Joaquin kit fox. - Potential den: Any natural den or burrow within the species range that has entrances of appropriate dimensions to accommodate San Joaquin kit foxes for which, however, there is little or no evidence of kit fox use. - Popping Den: Any known San Joaquin kit fox den (as defined above) used by kit foxes to whelp and/or rear their pups. - Atypical Den: Any known San Joaquin kit fox den that has been established in or in association with a man-made structure. All kit fox dens in the project area shall be protected with 50-foot radius exclusion zones and avoided by construction activities. Exclusion zones shall be constructed using metal posts and cable or strengthened nylon cord. Each exclusion zone shall display a sign listing the telephone number to call if it is necessary to conduct construction activities inside the zone. Exclusion zones shall be maintained until the pipeline construction is completed and shall only be removed under the direction of the biologist. If destruction of a den is unavoidable, construction shall only proceed after it has been determined by the designated biologist that the den is vacant. Den closure shall proceed in accordance with procedures specified in the USFWS Standard Recommendations for the Protection of the San Joaquin kit fox. Destroyed dens shall be replaced with a pipe den. Whenever possible, the replacement pipe shall be the same as the pipe removed. For natural dens removed, the design of an artificial den shall be approved by the CEC-CPM. To determine activity status, the biologist conducting the surveys shall place a layer of dust-like or other suitable tracking material at the entrance(s) to any potential dens for five consecutive nights. The dusted areas shall be inspected for tracks on five consecutive</p>	<p>During preconstruction surveys, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with any aspect of this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to commence in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after the receipt of notice that coordination with other agencies will require additional time before a determination can be made.</p>	

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CEC Decision Biological Resources	13	<p>consecutive nights. The dusted areas shall be inspected for tracks on five consecutive mornings. Any suitably sized opening in or in association with any man-made structure shall be examined with the aid of a high intensity portable spotlight to determine if they are occupied by kit fox. In order to minimize the disturbance of any kit fox found, the light beam shall only be held on the animal just long enough to verify presence. The information gathered in this preconstruction effort shall be included in the report required for Condition 5-11. Construction related activities at the site shall not begin until all dens are protected or approved for destruction by the CEC CPM.</p> <p>Prior to construction, all Bakersfield cactus populations identified during Biosystem's initial and preconstruction surveys shall be protected by exclusionary zones and avoided during pipeline construction. Exclusionary zones shall be constructed as specified in Condition 5-12 and extend at least ten feet around the population. If the cactus population is disturbed, SCC shall suspend construction activity in the area(s) subject to this restriction and notify the CEC CPM to provide resolution such as transplanting and obtain approval before resuming construction activity in the affected area(s). Construction related activities at the site shall not begin until all aspects of this condition are completed to the satisfaction of the CEC CPM.</p>	<p>During project construction, the CEC CPM or designee will determine whether or not this condition has been complied with. The determination will, as deemed necessary, be made by visiting the project site in the company of the SCC designated biologist or a biologist appointed to represent the designated biologist. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	<p>Submitted November 1, 1992 SY-2618 (and Addendum SY-2628). KR-4639 (and Addendum KR-4563). Complete.</p>
CEC Decision Biological Resources	14	<p>To the extent possible, construction activity shall be restricted to a 50-foot wide corridor inclusive of existing roads that are within 50-feet of the centerline. Surface disturbing activities shall also be minimized. If, during construction, SCC is unable to comply with this condition, SCC shall document each instance. After completing the project, this information shall be considered in evaluating project related habitat disturbance.</p>	<p>During construction, the CEC CPM or designee will generally determine through visits to the project site, as deemed necessary, the extent to which SCC has restricted its construction activities to 50-foot wide corridors. After construction, the CEC CPM will confirm whether or not SCC has given due consideration to this information in evaluating project related habitat disturbance.</p>	
CEC Decision Biological Resources	15	<p>Wherever practical, existing roads shall be used for access to construction sites.</p>	<p>During construction, the CEC CPM or designee will generally determine or through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition.</p>	

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CEC Decision Biological Resources	16	To the extent possible, SCC shall adjust the pipeline route and disturbance zone to avoid important biological resources identified during preconstruction survey(s) by the designated biologist or other qualified biologist approved by the CEC CPM. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions taken to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.	During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.	
CEC Decision Biological Resources	17	During construction, a 20 mph speed limit shall be observed at all times in all project areas except on State and County highways and roads. If this speed limit is not observed, SCC shall post speed limit signs along non-State or non-County roads used for construction. SCC shall submit, to the CEC CPM, the proposed design, number and placement of signs to be posted.	During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions taken to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.	As Required

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CEC Decision Biological Resources	19	<p>Construction shall take place from no earlier than one hour after sunrise to no later than one hour before sunset. Construction shall also begin at the easternmost section of the pipeline route. To the extent possible, construction shall occur in one mile segments to minimize the length of time displacement and/or disruption occurs to or around kit fox dens. All dens that were eliminated in accordance with Condition 5-12 shall be promptly replaced in a manner that reduces the number of dens subject to disturbance at any given time during construction activities. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions taken to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.</p>	<p>During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any unnecessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	
CEC Decision Biological Resources	20	<p>Provisions for animals to escape, i.e., ramps or earth fill, shall be provided in all open segments of the pipeline trench. The designated biologist or other qualified biologist approved by the CEC CPM shall inspect open trenches for entrapped animals immediately before backfilling. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions taken to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.</p>	<p>During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with any aspect of this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	

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CEC Decision Biological Resources	21	Open ends of welded pipe sections shall be covered at the close of each day to prevent wildlife from entering. During construction, SCC shall inspect the pipes at the close of each day to ensure that pipe ends have been covered. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.	During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee.	
CEC Decision Biological Resources	22	Where welding activities are to take place, the adjacent area shall be protected from potential wild fire ignition through means other than fire breaks or vegetation clearing. If unable to comply with this requirement, SCC shall suspend construction activity in the area(s) where the difficulty occurs and notify the CEC CPM to resolve the problem and obtain approval before resuming construction activity.	During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.	
CEC Decision Biological Resources	23	SCC shall collect all food related trash daily and remove it from construction sites so it will be unavailable to scavenging animals overnight. Construction personnel shall be advised to dispose of these materials properly. If, during construction, SCC is unable to comply with this condition, SCC shall stop construction immediately at any location(s) where this inability to comply exists, notify the CEC CPM of the circumstances, identify actions taken to correct the problem, and request CEC CPM approval to restart construction activities. Construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.	During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If SCC has not complied with this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.	

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	24	Areas disturbed by pipeline construction shall be recontoured to approximate preconstruction contours except where engineered slopes are required to minimize sloughing of fill on steep slopes.	After recontouring actions have been completed, the CEC CPM or designee will determine via telephone or through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition.	
CEC Decision Biological Resources	25	As construction is completed on the pipeline, a qualified biologist acceptable to the CEC staff shall survey the route and quantify the amount and type of disturbance for purposes of revegetation efforts described below and use in calculating habitat compensation required in Condition 5-8. Areas disturbed by pipeline construction shall be treated to achieve revegetation during the Winter of 1991-1992 or as soon as possible after construction as agreed to by SCC and the CEC CPM. The qualified biologist shall develop revegetation prescriptions for individual areas based on species composition of adjacent similar habitat, placing emphasis on native plant species and the sensitive plant species that occurred along the pipeline route prior to construction. The revegetation prescriptions shall be submitted to the CEC staff for review and approval at least 30 days prior to the scheduled start date of revegetation. Revegetation shall not commence without CEC CPM concurrence on the scheduled start date and seed mix selections. Revegetation success shall be evaluated during annual spring survey(s). Revegetation will be considered successful if 95% if normal coverage characteristic for annual plants of adjacent habitat and 50% survival of perennial shrubs is achieved at the end of two growing seasons, given average rainfall during the preceeding two years. Remedial revegetation prescriptions shall be prepared for any areas where revegetation has been determined unsuccessful by the CEC CPM. The remedial revegetation prescription shall be prepared for CEC CPM review and approval and submitted within 20 working days of the determination made by the CEC CPM.	The CEC CPM or designee will determine through visits to the project site in the company of the designated biologist or a biologist appointed to represent the designated biologist, whether or not SCC has complied with this condition. If this condition is not complied with, the CEC CPM will notify SCC within three working days of making this determination. SCC will correct the noncompliance through remedial revegetation efforts.	Submitted October 8, 1992 SY-3083 KR-5065 Complete.

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CEC Decision Biological Resources	26	SCC will establish a monitoring program for recording and reporting on kit fox use of replacement dens if used, and success of the revegetation program.	At least 30 days prior to construction, SCC shall provide a report outlining the monitoring program to the CEC CPM. Within 15 working days after receiving the report, the CEC CPM or designee shall review the report to determine if the program is acceptable. If the monitoring program is satisfactory, the CEC CPM will notify SCC that this condition has been met and construction may begin. If the monitoring program is not satisfactory, the CEC CPM will provide SCC with written questions and allow SCC five days to respond. In the event that the CEC CPM finds that the report as submitted is substantially incomplete, the CEC CPM may require SCC to revise and resubmit the report.	Submitted October 24, 1991 SY-2608 KR-4630 Complete.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	27	<p>SCC and the construction contractor shall, on the advice of the designated biologist or other qualified biologist approved by the CEC CPM, minimize disturbance to important species and their habitat to the extent practicable by making every reasonable effort to do so. Reasonable efforts include, but are not limited to, minor pipeline rerouting and minimizing the width of construction disturbance. If after the biologist makes a recommendation, and the contractor does not alter or stop construction as appropriate, the biologist shall immediately refer the matter to SCC for resolution. The biologist shall document, in writing, any instance where he/she makes a recommendation to minimize disturbance to important species and their habitat(s) and the recommendation is not implemented by SCC or its contractor, and the biologist believes that probable harm will occur as a result. The biologist shall provide a written report to SCC within 24 hours. Written documentation of such incidents shall include the time and date, the specific location of the incident, and a brief description of the occurrence. SCC shall, upon referral of a time period specified by the CEC CPM provide a written report of this incident, including a description of any measures taken to avoid or reduce potential impact to sensitive species and/or their habitat(s). If for any reason SCC is unable to implement measures based on advice of the biologist or otherwise to comply with this condition, SCC shall immediately stop work at the location and notify the CEC CPM of the circumstances and identify actions taken to correct the problem. At any location where construction has been halted, construction shall not resume at the identified location(s) until approval is given by the CEC CPM or designee.</p>	<p>During construction, the CEC CPM or designee will determine through visits to the project site, as deemed necessary, whether or not SCC has complied with this condition. If this condition is not complied with, the CEC CPM will contact SCC and notify them that the problem must be resolved. Until the CEC CPM is able to discuss and resolve the noncompliance with SCC, construction will not be allowed to continue at the location of the problem. Noncompliance resolution will be conducted in consultation with the CDFG, USFWS, and as deemed appropriate by the CEC CPM.</p>	

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	28	<p>The endangered species educational video that was prepared for construction worker education for the cogeneration plant shall be used to educate pipeline construction workers on the need to avoid important biological resources. All workers, before they are allowed to begin work on the pipeline, shall be required to view the video. They shall sign a written statement indicating that they understand the information presented on the video tape and that they agree to comply with all the measures designed for protection of important wildlife and biological resources along the pipeline facility so long as they are employed on the project. These measures include those recommended in the field by the designated biologist or other qualified biologist approved by the CEC CPM. SCC shall maintain the construction workers' signed statements for CEC CPM inspection at SCC construction headquarters or any other location agreed to by SCC and CEC CPM. The statements shall be maintained for not less than three years after construction of the pipeline is completed. All pipeline construction personnel shall be informed that no construction activity, including vehicle movement, is to take place inside important biological resource exclusion zones or outside designated construction areas without consulting with the biologist. If activity inside an exclusion zone cannot be avoided, then the CEC CPM shall be contacted and consulted with prior to the proposed activity. During the construction phase, construction related activities at the site shall not proceed unless SCC complies with all aspects of this condition to the satisfaction of the CEC CPM.</p>	<p>At his/her discretion, the CEC CPM or designee will visit SCC and view the video tape and inspect the workers' signed statements. If SCC has not complied with any aspect of this condition, the CEC CPM will notify SCC within three working days of making this determination. Until SCC corrects the noncompliance or, in the judgement of the CEC CPM, takes positive steps toward correcting the noncompliance, construction will not be allowed to proceed in areas specifically identified by the CEC CPM or designee. For any necessary corrective action taken by SCC, a determination of success or failure of such action will be made by the CEC CPM within five working days after receipt of notice that corrective action is completed, or SCC will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.</p>	

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CEC Decision Biological Resources	29	<p>SCC shall report to the CEC CPM all San Joaquin kit fox, blunt-nosed leopard lizard mortalities observed by SCC or their contractors within 250 feet of the pipeline centerline, roads, staging areas or other such facilities which receive use in relation to construction activities and during maintenance activities associated with operation. SCC shall notify the CDFG, USFWS and request instructions for deposition of the carcass and inform CEC CPM or designee within 48 hours of a mortality sighting. SCC shall also prepare a written statement which describes the location, date, and time the carcass was found, the circumstances which may have caused the mortality, and, when applicable, any necropsy findings.</p>	<p>SCC shall comply with this condition throughout the life of the project. If SCC has not complied with this condition, the CEC CPM or designee will notify SCC, CDFG, and USFWS within five days of making this determination.</p>	
CEC Decision Biological Resources	30	<p>SCC shall notify the CEC CPM prior to any increase of gas usage that is above the capacity (220 MM SCFD) at design pressure (930 psig) on the permitted supply lines and that is not replacement for gas used in existing permitted facilities, or prior to the start of any gas pipeline construction.</p>	<p>SCC will notify the CEC CPM at least 60 days prior to the proposed change. The CEC CPM will determine if the commission has jurisdiction over such action under the existing decision including its amendments and advise SCC accordingly and determine if additional biological resource impacts need to be addressed.</p>	
CEC Decision Biological Resources	31	<p>No terms of any construction contract or right-of-way agreement that SCC enters into for constructing or operating the Sycamore/Mojave gas pipeline shall preclude SCC from complying with any biological resources condition of approval.</p>	<p>The CEC CPM will not accept as valid, any claims by SCC that noncompliance of any biological resources condition of approval is due to contractual or right-of-way agreement. The CEC CPM will pursue means to bring SCC into compliance.</p>	
CEC Decision Civil Engineering	1	<p>Sycamore Cogeneration Company (SCC) shall assign to the project a qualified civil engineer, registered in California, who shall: (a) be responsible for design of proposed earthwork and related civil works including but not limited to drains, ditches, and buried utilities, and (b) who shall prepare or directly supervise preparation of and sign plans, specifications, and calculations for grading, erosion and sediment control, and related civil works for plant site facilities (ABAG Appendix B, Model Ordinance No. 2; UBC (1982 edition).</p>	<p>At least 10 days prior to submittal of proposed plans, specifications, and calculations for grading, erosion and sediment control, and related civil works, SCC shall submit to CEC and the CBO the name and registration number of the responsible civil engineer. Personnel changes shall be noted and pertinent data submitted in the next monthly construction report.</p>	<p>Submitted October 24, 1986 SY 312. Follow-up January 6, 1987 SY-374. Complete</p>

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CEC Decision Civil Engineering	2	Prior to start of the site grading, SCC shall submit to the CBO for plant site facilities: (a) four sets of the proposed Grading Plan combined with the Erosion and Sediment Control Plan (combined grading plan), specifications, and calculations signed by the responsible design engineer; b) a Soils Engineering Report and Engineering Geology Report; and (c) a statement signed by the responsible design engineer that the proposed combined grading plan, drainage structures, specifications, and calculations comply with applicable laws, ordinances, and standards, with the criteria and requirements set forth in the CEC Decision, (UBC, 1982 Edition, Chapter 70, Excavation and Drainage; Manual of Standards for Erosion and Sediment Control Measures, ABAG Appendix B, Model Ordinance No. 2).	At least 90 days (or lesser number of days mutually agreeable to the CBO and CEC) prior to start of the site grading, SCC shall submit to the CBO the above described documents. When the work described in the combined grading plan conforms with all applicable requirements, the CBO shall return to SCC one complete set of the submitted plans stamped and signed with his approval and SCC shall submit written notice to the CEC that the documents conform to said requirements and have been approved.	Submitted October 7, 1986, SY-274 SY-284 SY-308 Complete
CEC Decision Civil Engineering	3	SCC shall pay the fees required by the CBO for plan checking, permits and inspections at the time of submittal of the plans (UBC 1982 Edition, and a signed statement that any modifications No. 82-298).	SCC shall make payment to the CBO with a copy of the transmittal sent to the CEC.	All fees paid and submitted SY-527 March 10, 1987. Complete
CEC Decision Civil Engineering	4	SCC shall assign to the project plant site a qualified civil engineer licensed in California who shall: (a) be directly responsible for construction of all project earthwork and related civil work; (b) prepare (or directly supervise preparation of) and sign any necessary amendments to an approved combined grading plan, specifications, and/or calculations; and (c) be responsible for conformance of all earth work and related civil work with approved plans and specifications. (Bus. & Prof. Code, Chptr 7, Div. 3).	At least 10 days prior to start of any project earthwork, SCC shall submit to the CEC and the CBO the name and registration number of the responsible civil engineer. Personnel changes shall be noted and subsequent data filed in the following monthly construction report.	Submitted October 30, 1986, SY-312. Switchyard Engineers names Submitted July 15, 1987, SY-739. Complete
CEC Decision Civil Engineering	5	SCC shall prepare and submit monthly plant site construction progress reports to the CBO and CEC.	Receipt of the reports by the CEC and CBO.	Complete

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CEC Decision Civil Engineering	6	All plant site grading operations shall be subject to inspection by the CBO and CEC.	If any inspector finds that the work is not being done in accordance with the approved plans, the discrepancies shall be reported immediately to SCC's responsible design engineer, the CBO and the CEC. The inspector shall prepare a subsequent written report sending copies to SCC's responsible design engineer, the CBO, and the CEC. If the CBO delegates inspections to the SCC, SCC's inspectors shall file a monthly report of their inspections with the CBO and CEC.	Complete
CEC Decision Civil Engineering	7	During and after completion of the plant site engineered grading (grading in excess of 5,000 cubic yards), SCC's soil engineer and engineering geologist shall prepare and submit all necessary reports, compaction data and recommendations to the responsible construction engineer and to the CBO (UBC 1982 Edition, Chptr. 70; ABAG, Appendix B, Model Ordinance No. 2).	SCC shall notify CEC in the following monthly construction report when the documents are submitted to the CBO. The CBO shall review and approve all said submittals and SCC shall submit to the CEC a copy of all such review comments and approvals.	Submitted to CBO SY-729, July 9, 1987 Complete
CEC Decision Civil Engineering	8	SCC's responsible engineering geologist for plant site activities shall immediately report to the responsible civil engineer, to the CBO, and to the CEC any geologic conditions which deviate enough from those predicted in the AFC and its amendments to warrant substantial changes in design of site earthwork, powerplant facilities, or site viability. SCC's responsible civil engineer for plant site activities shall stop all earthwork and construction in the affected area (unless safety requires continuing work). SCC shall prepare and submit modified plans, specifications, and calculations to the CBO.	SCC's responsible engineering geologist for plant site activities shall immediately report to the responsible civil engineer, to the CBO, and to the CEC any geologic conditions which deviate enough from those predicted in the AFC and its amendments to warrant substantial changes in design of site earthwork, power plant facilities, or site viability. Within 10 days after receipt of the design changes the CBO, in consultation with the CEC, shall approve or disapprove the changes. Upon approval of the revised design, the CBO shall authorize SCC to resume earthwork and construction in the affected area and provide a copy of such approval to the CEC.	Complete
CEC Decision Civil Engineering	9	After completion of rough grading, SCC's responsible civil engineer shall submit the following documents to the CBO: (a) the Soil Grading and Geologic Grading Reports, (b) As-Graded Grading Plan, (c) a summary of the Soil Compaction Tests, and (d) signed statements by the responsible construction engineer that the work was done in accordance with the final approved combined grading plan and by both the soils engineer and engineering geologist that the site is adequate for its intended use (UBC 1982 Edition, Chptr. 70; ABAG, Appendix B, Model Ordinance No. 2).	Within 180 days after completion of rough grading, SCC's responsible civil engineer shall submit the above documents to the CEC. The CBO shall review and approve said documents and SCC shall file with the CEC a copy of such review comments and approvals.	Submitted April 27, 1988 SY-1108. Complete

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CEC Decision Civil Engineering	10	At least 90 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to final foundation excavation or preparation, SCC's responsible engineer for plant site activities shall submit to the CEC and the CBO: (a) any necessary report of foundation investigations in accordance with UBC, Chapter 29, Subsections 2905 (b)(c), and (d); (b) four sets of proposed foundation plans including soil classification and design bearing capacity; and (c) a signed statement that the proposed plans comply with the criteria and requirements set forth in the CEC Decision and in applicable laws and ordinances (UBC 1982 Edition).	When work described in the proposed foundation plan conforms with said criteria and requirements, the CBO shall return to SCC one complete set of the submitted plans stamped and signed with his approval, and SCC shall submit written notice to the CEC that the plans conform with said requirements and have been approved.	Complete
CEC Decision Civil Engineering	11	After completing foundation excavations for site activities or preparations, SCC's responsible civil engineer for plant site activities shall submit to the CBO supplementary soil grading and geologic grading reports, as-graded plans, and a signed statement that any modifications in foundation design required by site geotechnical conditions shall be incorporated in the modified foundation plans approved by the CBO.	The CBO will review and approve said reports, as-graded plans, and revised foundation plans, and SCC shall provide the CEC with such review comments and approvals.	Submitted April 27, 1988 SY-1108. Complete
CEC Decision Civil Engineering	12	After completion of finish grading and erosion and sedimentation control facilities, SCC's responsible civil engineer for plant site activities shall: (a) submit to the CBO a final as-graded plan, final erosion and sedimentation control plans, a signed statement that these documents conform with the final approved combined grading plan, and, if required by the CBO, supplementary soil grading and geologic grading reports; and (b) notify the CBO in writing that the work is ready for final inspection (UBC 1982 Edition; ABAG, Appendix B, Model Ordinance No. 2).	Within 180 days after completion of finish grading and erosion and sedimentation control facilities, SCC's responsible civil engineer for plant site activities shall submit the above document to the CBO and submit transmittal letters to the CEC. The CBO shall review and approve the submitted plans and reports and inspect the finished work. Final approval shall be given only after all required submittals are received and reviewed and after all work including installation of all drainage facilities and their protective devices and all erosion control measures have been completed in accordance with the final approved combined grading plan. The CBO shall notify CEC when final approval has been issued.	Submitted April 27, 1988 SY-1108. Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Civil Engineering	13	SCC shall design and construct the transmission line structure from the proposed Sycamore switchyard to the existing Kern River (Omar Hill) Cogeneration Project switchyard in accordance with CPUC GO 95.	At least 60 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to construction, SCC's responsible engineer shall submit four sets of plans, three sets each of the specifications and calculations of the transmission line structure signed by the responsible design engineer, to the CBO for approval. The CBO shall return to SCC one complete set of the submitted plans stamped and signed with his approval and SCC shall submit written notice to the CEC that the documents conform to said requirements and have been approved. Within 90 days after completion of the transmission line structure, SCC's responsible engineer shall get approval from the CBO and send the CEC a signed statement that the transmission line structure as built complies with CPUC GO 95.	Complete
CEC Decision Civil Engineering	14	SCC shall design and construct the natural gas pipeline from the proposed project site to the existing SCGC gas line in accordance with ANSI B31.8.	At least 60 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to construction, SCC's responsible engineer shall submit four sets of plans, specifications, and calculations of the natural gas pipeline signed by the responsible design engineer, to the CBO for approval. The CBO shall return to SCC one complete set of the submitted plans stamped and signed with his approval and SCC shall submit written notice to the CEC that the documents conform to said requirements and have been approved. Within 90 days after completion of the natural gas pipeline sections, SCC's responsible engineer shall get approval from the CBO and send the CEC a signed statement certifying the pipeline sections as built comply with ANSI B31.8.	Complete
CEC Decision Civil Engineering	15	SCC shall submit to the CBO for review four sets of plans, three sets each of the calculations and specifications for the spill containment facilities around the fuel oil storage tanks and acid and caustic storage tanks. The design plans and calculations shall be signed and stamped by the responsible civil engineer.	At least 60 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the start of construction of the spill containment facilities, SCC shall submit the above documents to the CBO for review. When said documents conform to the requirements listed under the Civil Work Mitigation Criteria section reflected at pages 736 and 737 of the September 27, 1985 transcript of this proceeding, the CBO shall return to SCC one complete set of the submitted plans, stamped and signed with his approval. SCC shall submit written notice to CEC that the spill containment facilities have been approved and conform to the applicable requirements.	Acid and caustic tanks start June 15, 1987. Complete Fuel oil not planned.
CEC Decision Civil Engineering	16	After construction of the spill containment facility, SCC shall submit the as-built plans and a signed statement by the responsible civil engineer that the work was done in accordance with the final approved plans and that the spill containment facilities are adequate for their intended use.	Within 90 days after construction of the spill containment facilities, SCC shall submit said documents to the CBO for review. SCC shall file with the CEC a copy of such review, comments, and approvals.	Fuel oil not planned

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Cultural Resources	Cul-1	Sycamore shall designate a qualified archaeologist for the project. Sycamore shall provide to the CEC CPM the name, address, telephone number, and qualifications of the designated archaeologist. Sycamore shall not begin construction until the CEC CPM notifies Sycamore that the designated archaeologist has been approved.	At least 30 days prior to the start of construction on the project, Sycamore shall submit the required information to the CEC CPM for review and approval.	Submitted October 30, 1986, SY-317. Complete
CEC Decision Cultural Resources	Cul-2	Sycamore shall ensure that the designated archaeologist has access to the site during trenching operations and shall inform the archaeologist and construction personnel that the archaeologist has the authority to halt construction until the archaeologist can evaluate the potential significant resources and perform any appropriate mitigation. Sycamore shall provide to the CEC CPM documentation that the archaeologist and construction workers have been informed. Sycamore shall not start construction until the CEC CPM informs Sycamore that the documentation has been approved.	Prior to the start of project construction Sycamore shall provide the required documentation to the CEC CPM for review and approval.	Complete
CEC Decision Cultural Resources	Cul-3	Sycamore shall ensure that the designated archaeologist monitors all project related ground disturbances (including trenching) along the eastern portion of the proposed route located on the Kern River flood plain.	The CEC CPM or designee will determine by telephone, visits to the project site, and/or review of the final report, as deemed necessary, whether or not Sycamore has complied with this condition.	Submitted October 30, 1986, SY-317. Complete
CEC Decision Cultural Resources	Cul-4	In the event that buried or otherwise obscured cultural resources are encountered during project construction, work in the immediate area of any find shall be halted until the designated archaeologist is consulted to ascertain the nature and significance of the find and any needed mitigation is completed. Sycamore shall inform the CEC CPM of the discovery of potentially significant cultural resources within 24 hours of the discovery. The CEC CPM or designee will consult with Sycamore and the designated archaeologist regarding appropriate evaluation and potential mitigation measures. Evaluation, mitigation, and the resumption of ground-disturbing construction activities shall not occur until the CEC CPM or designee approves the procedures to be followed and any needed mitigation is completed.	Sycamore shall inform the CEC CPM of the discovery of potentially significant cultural resources within one day of discovery.	Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Cultural Resources	Cul-5	Sycamore shall submit to the CEC CPM for review and approval a copy of the final report from the designated archaeologist regarding monitoring efforts for the project.	Sycamore shall submit the required information to the CEC CPM within 30 days after the designated archaeologist submits the final report to Sycamore.	
CEC Decision Cultural Resources	Cul-6	If monitoring reveals any significant cultural resources, Sycamore shall ensure that the final report is filed with the Southern San Joaquin Valley Information Center of the Bakersfield Archaeological Inventory at California State University, Bakersfield.	Sycamore shall provide to the CEC CPM documentation that the final cultural resources report has been filed with the information center.	
CEC Decision Cultural Resources	Cul-7	If any significant cultural resources are recovered as a result of ground disturbing activities associated with the project, Sycamore shall ensure their curation at an appropriate institution. Before the start of construction, Sycamore shall provide to the CEC CPM for review and approval the name and address of the institution at which potential curation is proposed. Sycamore shall not begin project construction until the CEC CPM has approved of the proposed institution.	At least 15 days prior to the start of construction Sycamore shall provide to the CEC CPM the required documentation.	

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CEC Decision Decommissioning	1	<p>At least 12 months prior to ceasing operations as a thermally enhanced oil recovery facility and commencing decommissioning activities, Sycamore shall file a decommissioning plan with the CEC for approval. The decommissioning plan shall: 1) identify and discuss the proposed decommissioning activities and schedule for the power plant site, transmission line corridor, and all other appurtenant facilities constructed as part of the project; 2) address conformance of the plan with all applicable laws, ordinances, standards, and local/regional plans in existence at the time of decommissioning; 3) contain an analysis of all decommissioning alternatives considered, specifically including the alternative of restoration to a natural state; and 4) discuss the reasons for selecting the proposed alternative. Prior to submittal of the decommissioning plan, a pre-filing workshop shall be held between SCC and CEC staff for the purpose of determining the specific contents of the plan. At least six months prior to filing the decommissioning plan, SCC shall request the Staff to schedule a pre-filing workshop to determine the specific content of the plan. In the event that significant issues are associated with the plan's approval, or the desires of local officials or interested parties are inconsistent with the plan, the CEC may hold workshops and/or public hearings as part of its approval procedure. SCC shall not commence decommissioning activities until CEC approval of the decommissioning plan is obtained, and SCC shall comply with any reasonable requirements the CEC may incorporate as a condition of approval of the decommissioning plan.</p>	<p>At least 12 months prior to commencing decommissioning activities at the Sycamore cogeneration facility, SCC shall file the decommissioning plan with the CEC. At least six months prior to filing the decommissioning plan, SCC shall request in writing that the Staff schedule a pre-filing workshop to determine specific contents of the plan.</p>	
CEC Decision Demand Conformance	1	<p>Certification of the project, as considered during this proceeding, shall expire twenty years following commencement of firm operation, unless extended by act of this Commission or other entity with such authority.</p>	<p>Sycamore Cogeneration Company (SCC) shall notify the CEC Compliance Project Manager in the next periodic compliance report of the date of commencement of firm operation, as defined by the Parallel Generation Agreement. This firm date shall establish the commencement of the twenty year period referred to above.</p>	<p>Submitted by May 3, 1988 SY-1118 Complete</p>
CEC Decision Demand Conformance	2	<p>The primary fuel shall be natural gas.</p>	<p>SCC shall certify in its annual compliance report that natural gas is the primary fuel.</p>	<p>Annual Compliance Report Submitted in February each year.</p>

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CEC Decision Demand Conformance	3	Power from the facility shall be sold to Southern California Edison Company, pursuant to terms of the existing Power Sales Agreement and the Memorandum of Understanding regarding the Prescribed Dispatch Agreement (included as Appendix B of this Decision).	SCC shall submit to the CEC a copy of the final agreement specified above in Condition 1, verification, prior to the start of operation. SCC shall also submit to the CEC a copy of any future amendments to the power purchase agreement, including attestations of changes in project ownership. Ongoing verification shall be as specified in Cogeneration Criteria Condition 1.b.	
CEC Decision Demand Conformance	4	SCC or any successors in interest shall immediately notify the Compliance Project Manager of the California Energy Commission of any planned alterations in the design and/or operating characteristics of the Sycamore Project as proposed and considered during these proceedings, and shall obtain approval from the Commission before making any such alteration.	SCC or any successors in interest shall immediately notify, in writing the Compliance Project Manager of the California Energy Commission of any planned alterations in the design and/or operating characteristics of the Sycamore Project as proposed and considered during these proceedings. The CEC Compliance Project Manager will notify the Siting and Regulatory Procedures Committee and interested agencies or parties of the proposed change.	
CEC Decision Electrical Engineering	1	Sycamore Cogeneration Company (SCC) shall provide calculations that verify the adequacy of the ratings for the circuit breakers at the Sycamore Project to withstand normal and short circuit conditions. The calculations shall include the available short circuit currents from outside the Sycamore Project, i.e., from the Southern California Edison Company and the Omar Hill Cogeneration Project.	Within 60 days after certification, SCC shall submit to CBO* the short circuit calculations establishing the required ratings of the circuit breakers for the Sycamore Project. *CBO is the County Building Official, other designated authority, or CEC duly authorized representative.	Submitted February 3, 1987, SY-395. Complete
CEC Decision Electrical Engineering	2	SCC shall provide calculations to verify that the ratings of the circuit breakers at the Omar Hill Cogeneration Project site are still rated adequately due to the additional short circuit current contribution from the Sycamore Project.	Within 60 days after certification, SCC shall submit to the CBO calculations to verify the adequacy of the ratings for the circuit breakers at the Omar Hill Cogeneration project, including the short circuit current contribution due to the addition of the 300 MW from the Sycamore Project.	Submitted February 3, 1987, SY-395. Complete
CEC Decision Electrical Engineering	3	To ensure safe design, SCC shall design, construct, inspect, operate and maintain the cogeneration plant in accordance with the requirements in the National Electric Code (NEC).	Within 60 days after commercial operation, the SCC shall submit a statement from the County Building Official (CBO)* in responsible charge to the CEC that the power plant construction conforms to applicable portions of the NEC. *CBO is the County Building Official, other designated authority, or CEC duly authorized representative.	Submitted July 15, 1988 SY-1195. Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Electrical Engineering	4	<p>SCC shall design, perform calculations, and write specifications to assure that the Sycamore Project is designed in accordance with applicable standards, ordinances, and laws specified in the "Electrical Engineering" portion of Appendix A of this Decision, including the NEC, and county regulations.</p>	<p>One hundred twenty days (or a lesser number of days mutually agreeable to the CBO and CEC) before installation, the SCC shall submit three sets each of proposed final design plans, design calculations (short circuit calculations and other calculations upon request), specifications, ** and quality control procedures for the electrical system to the CBO and notification of the transmittal letter to the CEC. The CBO will review the Applicant's submittals to assure that the design, calculations, and specifications were performed in accordance with the LORS, NEC and county regulations prior to approval for installation. The final plans, calculations, and specifications** shall clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. In addition, SCC's responsible electrical design engineer, registered to practice electrical engineering in the State of California, shall stamp and sign all drawings (excluding vendor produced drawings), plans, and calculations required by the applicable standards, ordinances, and laws, and shall submit a signed statement to the CBO and to the CEC that the proposed final design, plans, and specifications conform with all of the requirements set forth in the Commission Decision. **If calculations are not used to establish ampacity and voltage, the reference tables or other sources used are to be submitted.</p>	<p>Submitted design plans & calcs February 3, 1987, SY-395 Submitted specifications, February 4, 1987, SY-400 Submitted QC procedures, January 14, 1987, SY-379 Complete</p>
CEC Decision Engineering Analysis	2	<p>SCC shall notify the CEC of each instance on which permission to operate in a noncogeneration mode is requested from the Kern County APCD pursuant to the Final Determination of Compliance.</p>	<p>Such notification and justification shall be provided to the CEC within 10 working days of any such request to the KCAPCD.</p>	
CEC Decision Engineering Analysis	3	<p>Subsequent to the filing of the AFC dated November 14, 1984, no changes in the plant baseline design or physical configuration shall be made either prior or subsequent to certification without CEC concurrence if those changes could result in a plant design which, if constructed and operated, could not or would not comply with the minimum requirements of the cogeneration definition contained in the Warren-Alquist Act, section 25134 and Title 18, CFR section 292.205.</p>	<p>Sycamore Cogeneration Company (SCC) shall submit to the CEC any changes including but not limited to drawings, calculations, text, figures, tables, to the baseline design and operating characteristics described in this Commission Decision when the proposed changes result in a change in plant performance beyond the limits defined in the Warren-Alquist Act section 25134 and Title 18 CFR, section 292.205. SCC shall not issue any purchase orders for equipment or engineering services which would alter the operating and efficiency standards as certified in the Commission Decision unless the CEC's concurrence has been obtained in advance.</p>	

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Engineering Geology	1	Sycamore shall assign to the project, to be present as needed, an engineering geologist, certified by the State of California, to monitor engineering geologic conditions to assure that conditions encountered during excavation are similar to those described in Appendix D of the AFC, or that any adverse conditions encountered are mitigated in a safe environmentally sound manner. This shall include: - monitoring compliance with design intent in engineering geologic matters; - providing consultation during the design and construction of the project; - evaluating geologic conditions and geologic safety; and - recommending field changes to the responsible civil engineer.	At least ten (10) days prior to submittal of proposed grading plans (at least 30 days prior to the start of site preparation), SCC's responsible design engineer shall set forth to the CEC and designated CBO the name and license or registration number of the assigned engineering geologist(s). Personnel changes shall be noted and pertinent data submitted in the next subsequent monthly construction report.	Submitted October 24, 1986 SY-312. Complete
CEC Decision Engineering Geology	2	Sycamore Cogeneration Company (SCC) shall assign a qualified soils engineer to the project to be present as needed (and to work in consultation with the certified engineering geologist) to evaluate actual conditions by applying the principles of soil mechanics in the investigation, evaluation, design, and construction of earthwork.	At least ten (10) days prior to submittal of proposed grading plans (at least 30 days prior to the start of site preparation), SCC's responsible design engineer shall set forth to the CEC and designated CBO the name, and license or registration number, of the assigned soils engineer(s). Personnel changes shall be noted and pertinent data submitted in the next subsequent monthly construction report.	Submitted October 24, 1986 SY-312. Complete
CEC Decision Engineering Geology	3	To assure that the facilities are constructed in accordance with pertinent laws, ordinances, standards, permits, and approvals, the California Certified Engineering Geologist shall sign all preconstruction, construction, and post-construction reports including but not limited to maps, plans, and specifications pertaining to the engineering geologic suitability of the plant site, fuel line corridor, and electric transmission line corridor.	At least (10) days prior to submittal of proposed grading plans (at least 30 days prior to the start of site preparation), SCC's responsible design engineer shall set forth to the CEC and designated CBO the name and license or registration number of the assigned engineering geologist(s). Personnel changes shall be noted and pertinent data submitted in the next subsequent monthly construction report.	Submitted October 24, 1986, SY-312. Complete.
CEC Decision Engineering Geology	4	SCC shall submit within 180 days after completing the rough grading the following documents to the Kern County CBO: - a soil grading report; and - a geologic grading report prepared and signed by a certified engineering geologist.	These reports will be deemed approved by the CBO unless SCC is notified within 60 days of receipt of such reports by the CBO. SCC shall submit a supplementary report to the CBO after completing the grading and excavation of all foundations. SCC shall notify the CEC of such approvals in the next Periodic Compliance Report to the CEC.	Submitted June 23, 1988 SY-1176 Complete
CEC Decision Engineering Geology	5	If geologic conditions do not differ substantially from those conditions described in Chapter V.B and Appendices A and D of the AFC, SCC shall implement the AFC's recommended mitigation measures for adverse geologic conditions.	SCC's certified engineering geologist shall verify compliance with the AFC's recommended mitigation measures in the geologic grading report and "as-graded" grading plan.	Submitted June 23, 1988 SY-1176 Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Engineering Geology	6	SCC shall immediately report to the Kern County CBO and the CEC any geologic conditions which sufficiently deviate from those predicted in Appendices A and D of the AFC to warrant substantial changes in design of site earthwork, power plant facilities, or site viability. SCC shall cease earthwork and construction in the affected area, unless required for safety, pending approval of the revised design by the Kern County CBO.	The responsible civil engineer or soils engineer will notify the Kern County CBO and the CEC of all such substantial design changes.	Complete
CEC Decision Engineering Geology	7	SCC shall ensure that geologic records of site inspections, especially detailed logs of excavated surfaces, will be made during site preparation and submitted to the CEC upon request.	SCC shall notify the CEC of the availability of geologic records of site inspections.	
CEC Decision Mechanical Engineering	1	At least 180 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start date of the first increment of construction, the Sycamore Cogeneration Company (SCC) shall furnish to the CBO and the CEC a schedule of mechanical component planned submittal packages. The schedule must contain a description list of proposed submittal packages of mechanical plans, calculations, and specifications and the estimated date of submittal.	SCC shall submit the schedule to the CBO and CEC.	Preliminary schedule submitted October 23, 1986, Revised submitted February 9, 1987 SY-427. Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Mechanical Engineering	2	<p>SCC shall design and install all piping, other than domestic and refrigeration, to ANSI B31.1 (power piping code), ANSI B31.4, or ANSI B31.8 as applicable. Prior to the intended start of each increment of fabrication or construction, SCC shall submit three sets each of proposed final design plans, and two sets each of the specifications, calculations, and quality control procedures for the piping systems listed below to the CBO with a copy of the transmittal to the CEC. The final plans, specifications, and calculations shall clearly reflect the inclusion of approved criteria, assumptions, and methods used in the design. The responsible piping design engineer, registered to practice mechanical engineering in the State of California, shall sign and stamp the design plans, specifications, and calculations and submit a signed and stamped statement to the CBO and to the CEC that the proposed final design plans, specifications, and calculations conform with all of the requirements set forth in the Commission Decision. The responsible piping design engineer shall also submit a signed and stamped statement to the CBO and to the CEC that all the other piping systems, except domestic and refrigeration, were designed, fabricated, and installed in accordance with all requirements set forth in the Commission Decision. The piping systems for which design plans, specifications, calculations, and quality control procedures shall be submitted are: a. Neutralized wastewater injection b. Boiler feedwater (to pumps) c. Boiler feedwater (pumps to HRSG)** d. HRSG start up injection e. Main steam f. Boiler feedwater bypass g. Natural gas supply h. Fuel oil supply (4"-8" sizes only) i. Well water (to TK 402 and V 400) j. Demineralized NOx water (all sizes) **ASME portion of feedwater to be submitted with HRSG.</p>	<p>SCC shall submit the required plans, calculations, specifications and quality control procedures to the CBO and the CEC at least 120 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start of any increment of construction or fabrication. The CBO shall notify SCC, in writing, that the plan check and the installation were completed in accordance with the Commission Decision and the code requirements. SCC shall submit a letter to CEC with copies of the CBO comments and approvals to certify completion of both the plan check and installation. The CBO may require, as necessary, the licensee to employ special inspectors to monitor shop fabrication or equipment installation. SCC shall submit the signed statement for the remaining piping systems at least 30 days prior to the initial operation of the individual systems.</p>	<p>Partial submittal February 17, 1987 SY-492. Balance submitted March 27, 1987 SY-525. Complete</p>

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Mechanical Engineering	3	<p>SCC shall ensure that all pressure vessels are designed and installed in accordance with the American Society of Mechanical Engineers' Boiler and Pressure vessels Code, Section VIII and CAC, Title 8, Chapter 4. Prior to the intended start of fabrication or construction, SCC shall submit three sets each of proposed final design plans, and two sets each of the specifications, calculations, and quality control procedures for each pressure vessel listed below to the CBO with a copy of the transmittal to the CEC. In addition, the responsible design engineer, registered to practice mechanical engineering in the State of California, shall stamp and sign all fabrication plans, drawings, specifications, and calculations and shall submit a statement to the CBO and to the CEC that the proposed final design plans, specifications, and calculations conform with all of the requirements set forth in the Commission Decision (CAC, Title 8, ASME, BPV, Section VIII). For all pressure-vessels installed in the plant, SCC shall submit the code certification papers and other documents required by code prior to operation. The pressure vessels for which plans, calculations, and specifications shall be submitted are: a. Natural gas separator b. Potable water surge tank c. Liquid nitrogen tank d. Instrument air receivers e. Compressed air tanks f. Carbon Dioxide tanks</p>	<p>SCC shall submit the required plans, calculations, and specifications to the CBO and the CEC at least 120 days (or a lesser number of days mutually agreeable to the CBO and the CEC) prior to the intended start of fabrication or construction. The CBO shall notify the SCC, in writing, that the plan check and installation were in accordance with the code requirements. In addition, Cal/OSHA shall verify compliance through on-site inspection. SCC shall send copies of CBO and Cal/OSHA comments and approvals to the CEC in the next monthly Construction Progress Report. SCC shall furnish the CBO and CEC, at least 30 days prior to the initial operation of each pressure vessel, with the code certification papers and any other documents required by code.</p>	<p>Submitted March 24, 1987 SY-518 Complete</p>
CEC Decision Mechanical Engineering	4	<p>SCC shall ensure that the HRSGs are designed, fabricated and constructed in accordance with the ASME Boiler and Pressure vessel code.</p>	<p>SCC shall have the manufacturer's Boiler Code Data Report furnished to the CBO and CEC no later than 30 days prior to initial operation of any HRSG.</p>	<p>Submitted October 30, 1987 SY-853. Complete</p>

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Mechanical Engineering	5	<p>SCC shall design and install all heating, ventilating, air-conditioning and refrigeration equipment within buildings and related structures in accordance with: CAC, Title 24, Division 5, the Uniform Mechanical Code, and other applicable Laws, Ordinances, Regulations, Standards, Plans, and Policies identified in Appendix A of this Decision. SCC shall comply with: a) the Energy Conservation regulations in buildings and related structures as specified in CAC, Title 24, Division 5, Chapter 2-53, Part 2; b) the temperature and ventilation requirements as set forth by CAC Title 24, Division 5, Chapter 2-53, Part 2; c) the industrial ventilation requirements as set forth in the American Conference of Government Industrial Hygienists, Committee on Industrial Ventilation; d) the refrigerant piping design and fabrication procedures as set forth in ANSI B31.5, refrigeration piping code; e) the refrigeration equipment efficiencies set forth in ASHRAE 20-70, 23-78, and ARI 210-75; f) the thermal environmental conditions for human occupancy as stated in ASHRAE 55-74; and g) the operation requirements of the HVAC system as stated in NFPA 90A and NFPA 101. Prior to the intended start of construction SCC shall submit three sets each of the proposed final design plans, and two sets each of the specifications, calculations, and quality control procedures for each mechanical system, to the CBO with a copy of the transmittal letter to the CEC. The final plans, specifications, and calculations shall clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. In addition, the responsible mechanical design engineer, registered to practice mechanical engineering in the State of California, shall stamp and sign all plans, drawings and calculations and submit a signed statement to the CBO and to the CEC that the proposed final design plans, specifications and calculations conform with all of the requirements set forth in the Commission Decision.</p>	<p>SCC shall submit the required documents to the CBO at least 120 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start of construction. The CBO shall perform the plan checking and inspection required to demonstrate that the above mechanical equipment have been fabricated and installed in accordance with the Uniform Mechanical Code and other appropriate standards, ordinances, and laws and may require, as necessary, SCC to employ special inspectors to monitor shop fabrication or equipment. The CBO shall notify SCC, in writing, when the mechanical equipment has been installed and inspected, and when it is ready for operation. SCC shall send copies of CBO comments and approvals to the CEC in the next monthly Construction Progress Report. The CBO may require, as necessary, the licensee to employ special inspectors to monitor shop fabrication or equipment installation.</p>	<p>Submitted January 16, 1987, SY-381. Complete.</p>

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Mechanical Engineering	6	<p>SCC shall design, fabricate, and install: a) plumbing in accordance with CAC, Title 24, Division 5, Part 5; b) the private sewerage disposal system in accordance with CAC, Title 24, Division 5, Part 5, Article P11, and Kern County Ordinance No. G-4035; c) the potable water system in accordance with CAC, Title 24, Division 5, Part 5, Article P10, and Kern County Ordinance G-4035; d) the drainage system indirect drain and waste system in accordance with CAC, Title 24, Division 5, Part 5, Article P4, P5, P6, and P7; and e) the toilet rooms and number of toilet rooms in accordance with the Uniform Building code, Chapter 12, and CAC, Title 24, Part 2. Prior to the intended start of construction, SCC shall submit three sets each of the proposed final design plans, and two sets each of the specifications, calculations, and quality control procedures for each mechanical system to the CBO, with a copy of the transmittal to the CEC. The final plans, specifications, and calculations shall clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. In addition, the responsible mechanical design engineer, registered to practice mechanical engineering in the State of California, shall stamp and sign all plans, drawings and calculations and submit a signed statement to the CBO and to the CEC that the proposed final design plans, specifications, and calculations conform with all of the requirements set forth in the Commission Decision.</p>	<p>SCC shall submit the required documents to the CBO and the CEC at least 120 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start of construction. The CBO shall perform the plan checking and inspection required to demonstrate that the cited sanitary facilities have been designed, fabricated, and installed in accordance with the applicable portion of Appendix A of this Decision and may require, as necessary, SCC to employ special inspectors to monitor shop fabrication and/or field installation. The CBO shall notify SCC, in writing, when the sanitary facilities have been installed and inspected, and when the facilities are ready for operation. SCC shall send copies of CBO comments and approvals to CEC in the next monthly Construction Progress Report.</p>	Submitted January 16, 1987, SY-381. Complete
CEC Decision Mechanical Engineering	7	<p>SCC shall comply with the installation of seismic restraints for all mechanical equipment and piping in accordance with the Uniform Building Code (UBC) or as set forth in the AFC Appendix A, if more stringent than the UBC.</p>	<p>SCC shall submit plans, calculations, and specifications documenting compliance with the requirement as part of the submittals required under Mechanical Engineering Conditions of Certification Nos. 2, 3, 5 and 6.</p>	Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Noise	Noise-1	The Sycamore Cogeneration Company (SCC) shall comply with the Kern County Noise Element Recommendation of 70 Ldn at the boundary of property owned or controlled by SCC and 55 dBA Ldn within the nearest residential area to the site. Recognizing that the Ldn in the residential area already exceeds 55 dBA by 5 decibels, the intent of the requirement is that the contribution from the project alone should not exceed the predicted Ldn of 48 dBA. This action would permit future achievement of the 55 dBA Ldn goal by quieting existing sources. In the event the Kern County Health Department of SCC receives public noise complaints due to construction or operation of the Sycamore Project, the SCC shall promptly conduct an investigation to determine the extent of the problem. SCC shall take reasonable measures to resolve complaints.	Not later than 60 days before site preparation begins, SCC shall develop and submit a procedure for handling public complaints to the CEC and the Kern County Health Department for approval. The procedure will include, as a minimum, procedures for logging complaints, identification of contract personnel, a schedule for responding to complaints, investigation procedures such as contact of complaint, and a schedule for implementing mitigation measures. Thirty days prior to site preparation, SCC shall submit a final approved procedure to the CEC and the Kern County Health Department.	Submitted October 27, 1986, SY-316. Complete
CEC Decision Noise	Noise-2	Within 10 days of request from the Kern County Health Department, the SCC shall conduct noise surveys at the sensitive receptors registering complaints and at the facility property line nearest the complaining receptors. Surveys shall be conducted, if possible, under circumstances similar to those when the noise was perceived. The survey should be reported in terms of the Lx (x= 10, 50, and 90) Ldn, and Leq. SCC shall identify and implement mitigation measures necessary to assure compliance with CEC Conditions of Certification and County standards.	SCC shall within 20 days of completing the survey, forward to the Kern County Health Department the survey results, the proposed mitigation measures, and the schedule for implementation. Thirty days after implementation of mitigation measures, SCC shall notify the CEC, in writing, of the results of the mitigation measures.	As Required

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Noise	Noise-3	<p>No later than 90 days after the plant commences commercial operation, SCC shall conduct a noise survey at the boundary of property owned or controlled by SCC, and at the nearest noise sensitive receptor. The survey will cover a continuous 24 hour period with results reported in terms of L_x (x = 10, 50, and 90), Leq, and Ldn levels. A noise design confirmation survey consisting of short term measurements of one hour duration each will also be taken at 400, 800, and 1600 feet from the acoustic center of the facility in the direction of the nearest receptor. The one hour leq will be determined and compared with predicted worst case levels (65 dBA at 400 feet, 59 DBA at 800 feet, and 51 dBA at 1600 feet) and will also be used to determine the actual plant contribution at the nearest receptor without interference from the localized sources such as traffic. These measurements must be taken at locations where the plant noise is the dominant source of noise and at a time when all four units are operating at or near capacity. Winds should also be calm so as not to influence the measurements. SCC shall prepare a report of the survey which will be used to determine the plant's conformance to design specifications and to county standards. If the county standards or design specifications are being exceeded, the report shall contain a description of the mitigation plan and a schedule to correct the noncompliance. SCC shall conduct an additional noise survey within five days of completing the mitigation measures and shall report the results to the CEC and the Kern County Health Department within 15 days of completing the survey. No additional surveys of off-site operational noise shall be required unless the public registers complaints, or the noise from the project is suspected of increasing due to a change in the operation of the facility.</p>	<p>Within 30 days of completing the initial or any additional noise survey, SCC shall submit the noise survey report to the CEC and the Kern County Health Department. If the survey shows that mitigation is required, the CEC and the Kern County Health Department shall approve or disapprove the SCC mitigation plan within 15 days of receipt.</p>	<p>Submitted March 1, 1988 SY-1029. Complete</p>

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Noise	Noise-4	An occupational noise survey shall be conducted to determine the noise-hazardous areas in the facility no later than 180 days after the plant reaches commercial operation. The survey shall be conducted by a qualified person in accordance with the provisions of CAC, Title 8, Article 105 (General Industrial Safety Orders). The survey results shall be used to determine the magnitude of employee noise exposure. SCC shall prepare a report of the survey results and mitigation measures implemented to comply with Cal/OSHA regulations. If employee complaints of excessive noise arise during the life of the project, Cal/OSHA, Department of Industrial Relations, shall make a compliance determination as that agency determines is appropriate.	Within 30 days of the noise survey, SCC shall submit the report to the CEC. SCC will maintain the report and make it available to Cal/OSHA upon request.	Submitted March 1, 1988 SY-1029. Complete
CEC Decision Noise	Noise-5	SCC shall implement the following mitigation measures, as required, which will enable the plant to comply with County and Cal/OSHA noise standards: - Silencers on gas turbine inlet. - The gas turbine will normally exhaust into the Heat Recovery Steam Generator (HRSG). (Except during bypass mode in an emergency situation and start-up.) - Low gas velocities for steam and air piping. - "Low noise" levels for steam. - Acoustic lagging for piping, ducts, equipment. - Low machinery speed where possible. - Partial and complete enclosures of gas turbine. - Use of good engineering practices as found in EEI (1978). - Include in purchase specification a noise requirement of 90 dBA or lower at three feet to meet applicable Cal OSHA requirements for noise emitting equipment. - Limit unrestricted steam venting (excluding emergency conditions) to daylight hours (7 a.m. to 7 p.m.).	SCC shall include in the first annual Compliance Report after commencement of commercial operation information specifying how and where the above measures were implemented. SCC shall make the construction site and power plant site (when operational) available for inspection by the Kern County Health Department, Cal/OSHA, and CEC.	Submitted February 15, 1989 SY-1421. Complete

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CEC Decision Noise	Noise-6	SCC shall limit the use of excessively noisy equipment such as jackhammers, pile drivers, and any other excessively noisy site preparation activities like blasting, to daylight hours, 7 a.m. to 7 p.m., except in cases of emergency. An emergency is defined for the purpose of this Condition as a spill, accident, imminent loss of equipment, or other unforeseen event requiring immediate action to protect employees or the public health and safety.	The Applicant shall report to the Kern County Health Department within 24 hours if an emergency has occurred.	Complete
CEC Decision Powerplant Reliability	1	Sycamore Cogeneration Company (SCC) shall inform the CEC of any changes in the plant design as proposed in the AFC and certified by the Commission, whether made during final design or construction, which would affect the project availability or capacity factors.	SCC shall submit the change proposal to the CEC at least 30 days prior to instituting such change with rationale and supporting design and analytical documentation justifying these changes.	As required
CEC Decision Powerplant Reliability	3	SCC shall file with the CEC an annual report documenting the plant availability and capacity factors achieved.	Beginning with commercial operation, SCC shall file an annual report containing the following: a. Operating hours, outage hours, cause of outage, and downtime for major equipment including the following: - Each combustion turbine - Each HRSG - Each feedwater pump - Each demineralized train - Each compressor (gas and air) - Each NOx water pump - Each fuel pump b. For each forced outage, a precise identification of the equipment whose failure resulted in the forced outage and the resulting forced outage hours. c. Identification of equipment or other causes (such as curtailment) for which planned outage was instituted in any given month. d. Annual plant availability and capacity factors.	Annual Compliance Report Submitted in February each year.
CEC Decision Powerplant Reliability	4	SCC shall notify the CEC when and if SCC determines that the oil system (as described in the AFC) or the gas compressors are to be installed, or when any other modifications are necessary due to changes in the fuel supply or economics.	SCC shall submit the proposed changes or modifications to the CEC at least 30 days prior to proceeding with the change. This information shall include identification of all equipment, components, their rated capacities, duties, methods of installations (pads, foundations, berms), controls, safety features, and fire protection system(s).	
CEC Decision Powerplant Reliability	5	SCC shall formulate a quality control (Q/C) program to be imposed on the suppliers of material and equipment, as appropriate to the equipment's relative importance to the reliability of the project, and a Q/C program to be implemented for the project construction work.	SCC shall submit, within 30 days of certification, the Q/C program to the CEC's Compliance Monitoring Unit for review and comment.	Field construction submitted January 14, 1987 SY-379. Fabrication submitted February 27, 1987 SY-457. Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Powerplant Reliability	6	SCC shall demonstrate on a sample basis implementation of the Q/C program.	Thirty (30) days prior to issuance for bid, or if presently available, SCC shall submit to the CEC's Compliance Monitoring Unit two copies of the request for quotations containing engineering specifications, Q/C provisions, and requirements for the feedwater pumps and the HRSG's. Ten days after the purchase orders for the feedwater pumps and the HRSGs have been executed, SCC shall submit to the CEC's Compliance Monitoring Unit two copies of the purchase orders or that portion of the purchase orders containing the engineering specifications, Q/C provisions, and means of verification of these requirements.	Submitted March 9, 1987, SY-478. Complete
CEC Decision Powerplant Reliability	7	If the complete emergency back-up fuel oil system described in the AFC is not installed prior to commercial operation, Sycamore Cogeneration Company (SCC) will provide a complete list to the CEC of all emergency back-up fuel oil system components which were not installed prior to commercial operation.	Within sixty (60) days after commercial operation commences, SCC shall provide a complete list to the CEC of all emergency back-up fuel oil system components which were not installed prior to commercial operation.	Submitted May 23, 1988 SY-1139. Complete
CEC Decision Powerplant Reliability	8	SCC shall notify the CEC prior to the installation of any component of the emergency back-up fuel oil system which was not installed prior to commercial operation.	At least 90 days prior to installation of any component of the emergency back-up fuel oil system, SCC shall notify the CEC of such intent.	
CEC Decision Powerplant Reliability	9	Whenever any component of the emergency back-up fuel oil system is installed, SCC shall comply with all applicable requirements of the CEC final Decision that pertain to the installation of the system.	SCC shall comply with all verifications for the Conditions referenced above.	
CEC Decision Powerplant Reliability	2	SCC shall file with the CEC a report documenting discovered nonconformances and corrective actions taken during startup.	Beginning with the first turbine roll and terminating with invoicing sales of steam and electricity, SCC shall file a report containing the following: a. identification of any nonconformity which requires a corrective action; b. description of the corrective action taken and hours needed to resolve the problem; c. identification of problems or technical circumstances which resulted in interruption of given startup activity; and d. description of corrective action taken and hours needed to resume the startup activity.	None to date

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CEC Decision Public Health	PH-1	Sycamore Cogeneration Company (SCC) shall ensure and demonstrate that the toxic air pollutants produced when burning fuel oil will present no significant risk to public health and also comply with all standards, ordinances, and laws in existence at the time of initial oil burning. The emission rates set forth in the AFC (KRCC 1984) for toxic air pollutants, which assure no significant public health impacts, are as follows: Sycamore Facility Estimated Maximum Emissions Grams/Second (Pollutant) 7.06 x 10 ⁻⁴ (Arsenic) 1.89 x 10 ⁻⁵ (Beryllium) 1.89 x 10 ⁻⁵ (Cadmium) 3.78 x 10 ⁻⁴ (Chromium (VI)) 9.58 x 10 ⁻⁴ (Mercury) 3.15 x 10 ⁻⁵ (Nickel) 5.17 x 10 ⁻⁴ (Selenium) 2.31 x 10 ⁻³ (Vanadium)	No later than 90 days after the commercial operation first burns fuel oil, SCC shall conduct source tests with the plant operating on low-sulfur fuel oil. Source tests shall be conducted according to EPA and California Air Resources Board source testing procedures and conform to the requirement of Air Quality Condition for Certification 1-19, Verification a, b, and c for the performance test. Each gas turbine unit shall be tested individually at 100 percent operating load. SCC shall report the results of the source tests along with fuel oil specifications (including trace metal analysis for arsenic, beryllium, cadmium, chromium, lead, mercury, nickel, selenium, and vanadium) to the CEC and the Kern County Air Pollution Control District. SCC shall submit to the CEC the above mentioned fuel oil specifications, including trace metal analysis, for each fuel oil shipment or refinery production run. If the fuel oil specifications are significantly different than that reported for the original source tests, CEC may request additional source testing be conducted or caused to be conducted by SCC.	Annual Compliance Report submitted in February each year.
CEC Decision Public Health	2	SCC shall verify that maximum strengths of electric fields do not exceed 2.0 kV/m at the boundaries of the 100 foot wide transmission line corridor for the proposed Sycamore Project, and that the 5 mA National Electric Safety Code criterion has been achieved.	No later than 90 days after beginning commercial operation, SCC shall submit to the CEC computer modeled results or field test results reporting the maximum electrical and magnetic fields at the boundaries of the transmission line corridor for the Sycamore Project. Results shall be reported for the right-of-way edge of the transmission line corridor at a height of 1 meter above the ground. Reported results shall be submitted in a report that identifies all sampling locations, test procedures, and assumptions used to obtain the results. The report shall be prepared and signed by a California registered electrical engineer.	Submitted June 14, 1988 SY-1161. Complete
CEC Decision Public/Worker Safety	1	Sycamore Cogeneration Company (SCC) shall comply with the handling procedures for natural gas as specified in NFPA 30 and 54.	SCC shall submit a letter to the CEC signed by Cal/OSHA verifying compliance with the above codes 30 days prior to commercial operation.	Cal/OSHA inspection report Submitted Nov 10, 1989 SY-1715. Complete
CEC Decision Public/Worker Safety	2	SCC shall comply with storage and handling procedures for fuel oil as specified in NFPA 30 and California Administrative Code Title 8, Chapter 4, Subchapter 7, Group 20.	SCC shall submit a letter to the CEC signed by Cal/OSHA verifying compliance with the above codes 30 days prior to commercial operation on fuel oil.	Fuel oil operation only.
CEC Decision Public/Worker Safety	3	SCC shall ensure that the fuel oil storage tanks have been designed and fabricated in accordance with API 650, Appendix E.	SCC shall submit a letter to the CEC signed by the CBO verifying compliance to the referenced standards 30 days prior to commercial operation on fuel oil.	Fuel oil operation only.
CEC Decision Public/Worker Safety	4	SCC shall comply with the handling, storage, and usage requirements for hydrogen, including leakage detection, in accordance with NFPA section 1901.103 of the OSHA, and CAC, Title 8, Article 138.	SCC shall submit a letter to the CEC signed by Cal/OSHA verifying compliance with this Condition within 90 days after commercial operation commences.	Cal/OSHA inspection report Submitted Nov 10, 1989 SY-1715. Complete

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CEC Decision Public/Worker Safety	5	SCC shall comply with the handling and storage requirements for sulfuric acid as specified in CAC, Title 8, Article 109.	SCC shall submit a letter to the CEC signed by Cal/OSHA verifying compliance within 90 days after commercial operation commences.	Cal/OSHA inspection report Submitted Nov 10, 1989 SY-1715. Complete
CEC Decision Public/Worker Safety	6	SCC shall ensure that the sulfuric acid storage tank is anchored in accordance with ACI 349-80, Appendix B.	SCC shall submit a letter to the CEC accompanied by copies of all back-up material sent to Cal/OSHA, signed by the CBO, verifying compliance to the referenced standards, 30 days prior to commercial operation. SCC shall report on site inspections in the periodic compliance reports.	Cal/OSHA inspection report Submitted Nov 10, 1989 SY-1715. Complete
CEC Decision Public/Worker Safety	7	SCC shall comply with the handling and storage requirements for sodium hydroxide as specified in CAC, Title 8, Article 109, section 5179.	SCC shall submit a letter to the CEC, signed by Cal/OSHA, certifying compliance within 90 days after commercial operation commences.	CBO Approved. Complete
CEC Decision Public/Worker Safety	8	SCC shall submit and ensure that the sodium hydroxide storage is anchored in accordance with ACI 349-80, Appendix B.	SCC shall submit a letter to the CEC, accompanied by copies of all back-up material sent to Cal/OSHA, signed by the CBO verifying compliance to the referenced standards 30 days prior to commercial operation. SCC shall report on-site inspections in the periodic compliance reports.	CBO Approved. Complete
CEC Decision Public/Worker Safety	9	SCC shall comply with the handling and storage procedures for lubricating and hydraulic oils as specified in CAC, Title 8, Chapter 4, Subchapter 7, Group 20.	SCC shall submit a letter to the CEC signed by Cal/OSHA, verifying compliance within 90 days after commercial operation commences.	Cal/OSHA inspection report Submitted Nov 10, 1989 SY-1715. Complete
CEC Decision Public/Worker Safety	10	SCC shall submit its fire protection program for the construction of the cogeneration facility to the Kern County Fire Department for approval 45 days prior to scheduled site clearing. SCC shall secure the approval of the fire protection program from the Kern County Fire Department.	Prior to site clearing, SCC shall submit to the CEC a copy of the Kern County Fire Department's written acceptance of SCC's construction fire protection program for the Sycamore Project.	Submitted September 22, 1986 SY-271 & SY-356. Complete
CEC Decision Public/Worker Safety	11	SCC shall submit its fire protection program for the operation of the cogeneration facility to the Kern County Fire Department for approval 45 days prior to the first "turbine roll".* SCC shall obtain the approval of the fire protection program from the Kern County Fire Department. *Turbine roll, as used in the power plant industry, refers to the fine tuning or shakedown period prior to commercial operation.	Prior to the first turbine roll, SCC shall submit to the CEC a copy of the Kern County Fire Department's written acceptance of SCC's operations fire protection program for the Sycamore Project.	Submitted October 10, 1986 SY-316 & SY-319. Complete
CEC Decision Public/Worker Safety	12	SCC shall submit an affidavit to the CEC signed by the applicable fire department or a registered fire protection engineer stating that the on-site fire protection system is designed and constructed and will operate in accordance with applicable codes prior to the first turbine roll.	Prior to the first turbine roll, SCC shall submit to the CEC a copy of the affidavit signed by the applicable fire department or a registered fire protection engineer.	Complete

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CEC Decision Public/Worker Safety	13	SCC shall furnish the Kern County Fire Department with a copy of the final fire protection system design.	Prior to the first turbine roll, SCC shall notify the CEC of the submittal to the Kern County Fire Department.	Complete
CEC Decision Public/Worker Safety	14	SCC and the Kern County Fire Department shall annually reexamine the fire protection program.	SCC shall note and summarize the joint reexamination of the fire protection program in its periodic annual compliance report.	Annual Compliance Report submitted in February each year. KCFD conducted an inspection of the fire system during the annual site visit in the summer.
CEC Decision Public/Worker Safety	15	SCC shall facilitate on-site worker safety inspections conducted by Cal/OSHA during construction of the facility or when an employee complaint has been received.	SCC shall request Cal/OSHA to notify the CEC in writing in the event of a violation that would involve Cal/OSHA action affecting the construction and operation schedule and shall notify the CEC of the necessary corrective action. SCC shall note any Cal/OSHA inspections and actions in its periodic compliance reports.	
CEC Decision Public/Worker Safety	16	SCC shall prepare and implement an accident prevention program and shall request that the Cal/OSHA Consultation Service review their program.	SCC shall request a letter from the Cal/OSHA Consultation Service certifying compliance with the requirements of CAC, Title 8, sections 1509 and 3203. A copy of the letter shall be filed with the CEC prior to commencing site preparation.	Submitted October 30, 1986 SY-321 to Cal/OSHA. Complete

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CEC Decision Soil Conservation	1	<p>Sycamore shall submit an erosion control plan for wind and water erosion at the Sycamore cogeneration site and on all lands to be disturbed by supporting facilities, specifying the following mitigation measures and identifying on a site map their areas of implementation: - compact all fill material; - bench or slope step all cut slopes; - provide unslope interceptor ditches; - surface most of the enclosed area 3 to 4 inches (7.6-10 cm) deep with crushed rock; - design new and existing drainage channels connected with the Sycamore power plant and accessory facilities to accommodate runoff generated by 1 in 100 chance rainfall. Culverts and natural channels carrying runoff from project sites shall be designed to reduce discharge velocities to 2.5 feet per second or less within 20 feet of their point of discharge; - hydroseed areas (perimeter cut and fill slopes 2:1 or steeper and other areas as needed) with Blando Brome at the rate of twelve pounds per acre and Zorro Fescue at the rate four pounds per acre; - mulch perimeter cut and fill slopes 1:2 or steeper and other areas as needed with straw at the rate of two tons per acre; - anchor all mulch with a sheep's foot or tackifier; - provide temporary and permanent erosion controls (including culverts, ditches, swales, and catch basins); and minimize areas of disturbance.</p>	<p>Sixty days prior to commencing site preparation SCC shall file the erosion control plan and site map with the CEC for review and approval. This plan may be consolidated with the grading plan required by the County.</p>	<p>Submitted October 7, 1986, SY-274. Complete</p>
CEC Decision Soil Conservation	2	<p>SCC shall minimize soil related impacts by implementing the measures specified in the above identified erosion control plan.</p>	<p>Within 180 days after commercial operation begins, SCC shall file as-built engineering plans of the soil measures specified in the erosion control plan with the Kern County Building Inspection Office and the CEC compliance project manager. An affidavit signed by the SCC project manager shall accompany the CEC filing, identifying the areas or methods which deviate from those identified in the Sycamore Project AFC and supporting documents including the County approved erosion control/grading plan.</p>	<p>Submitted October 3, 1988 SY-1274. Complete</p>

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CEC Decision Structural Engineering	1	Sycamore Cogeneration Company (SCC) shall design, construct, and inspect the cogeneration facility in accordance with applicable standards, ordinances, and laws identified in the "Structural Engineering" portion of Appendix A of this Decision and the criteria set forth in the AFC and supplemental documentation provided by SCC, as described on pages 176 and 179 of the Final Staff Assessment.	Fourteen days prior to the start of commercial operation, SCC's designated official shall submit to the CEC a statement of verification that all design, construction, and inspection requirements of the applicable standards, ordinances, and laws and the Commission Decision have been met for the Structural Engineering requirements. Past submittals may be referenced.	Submitted October 9, 1987 SY-828. Complete
CEC Decision Structural Engineering	2	SCC shall assign to the project a responsible design engineer who shall be either a registered structural engineer with the authority to use the title "Structural Engineer" in California or a registered California civil engineer who shall be fully competent and proficient in design of power plant structures and equipment supports. The design engineer shall: a. be directly responsible for design of proposed construction and equipment supports; b. provide consultation to the responsible construction engineer during design and construction of the project; c. monitor construction progress to insure compliance with design intent; d. evaluate and recommend necessary changes in design; and e. prepare and sign all necessary building plans, specifications and calculations. (Business and Professions Code; Chapter 7, Division 3.)	At least 60 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to submittal of building plans, SCC shall identify to the CEC and set forth the qualifications of the responsible engineer assigned to the project to perform the duties set forth above.	Submitted October 24, 1986 SY-312. Follow-up letter submitted January 5, 1987 SY-374 Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Structural Engineering	3	Prior to the intended start of construction of each structure, equipment support, or foundation, SCC shall submit four sets each of proposed final design plans and three sets each of the specifications, calculations, soils report, and quality control procedures for each structure, equipment support, or foundation to the CBO, with a copy of the transmittal to the CEC. Plans, calculations, and specifications for foundations that support structures should be filed concurrently with both the structure and the foundation plans, calculations, and specifications. The final plans, calculations, and specifications shall clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design, and be signed and stamped by the responsible design engineer. In addition, the responsible design engineer shall submit a signed statement to the CBO and to the CEC that the proposed final design plans, specifications, and calculations conform with all of the requirements set forth in the Commission Decision.	SCC shall submit the plans, calculations, and other required documents to the CBO and the CEC at least 120 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start of each structure, equipment support, or foundation. If the CBO discovers non-conformance with the stated requirements, he shall notify SCC's responsible design engineer within 75 days of the submittal data and shall return that nonconforming portion of the plans to SCC for correction. SCC's responsible design engineer shall submit the corrected plans within 30 days of the return to SCC of the nonconforming submittal. The CBO shall return one complete set of original or revised submittals stamped and signed with his approval to SCC within 120 days of the original submittal, provided the plans comply with the stated requirements. The CBO shall submit written notice to the CEC that the proposed building plans, specifications, and calculations conform with the requirements set forth in the applicable laws, ordinances, regulations, standards, plans, and policies and that he has approved them.	1st submittal to M & D January 8, 1987. Must resubmit corrected plans within 30 days of receipt of any non-conformances. Complete.
CEC Decision Structural Engineering	4	SCC shall make payments to the CBO equivalent to the fees listed in the Uniform Building Code (UBC) Chapter 3, Sections 304(a) and (b), and Table No. 3-A for the plan review and permit. If the county in which the plant is to be built has adjusted the UBC fees by county ordinance or code, SCC shall pay the adjusted fees.	SCC shall make payment to the CBO at the time of submittal of the plans, specifications, calculations, and soils report.	Complete
CEC Decision Structural Engineering	5	SCC shall apply for an "in lieu" building permit and, upon receipt of payment and approval of the proposed building plans, the CBO shall issue the "in lieu" permit to the applicant.	The CBO shall notify the CEC that an "in lieu" building permit has been issued to SCC.	Complete
CEC Decision Structural Engineering	6	SCC shall keep the CBO informed regarding the status of construction.	SCC shall submit a monthly construction progress report to the CBO and the CEC.	Complete

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CEC Decision Structural Engineering	7	Inspections shall be performed in accordance with Chapters 3 and 70 of the UBC (1982 edition). SCC shall assign as a resident engineer, a registered Civil Engineer in the State of California, who shall be present on site to monitor construction activities, who shall have authority to halt construction and to require changes or remedial work if the work does not conform to the applicable requirements, and who shall be responsible for the special and continuous inspections required by UBC Section 306. All welding such as structural, piping, tanks, pressure vessels, shall be inspected by a certified weld inspector (AWS and/or ASME as applicable). Names and qualifications of the resident registered civil engineer, the certified weld inspector, and other special inspectors shall be submitted to the CBO and to the CEC at least 60 days (or a lesser number of days mutually agreeable to the CEC and CBO) prior to start of any activity requiring special inspections in accordance with UBC Section 306 (UBC, Chapters 3, and 70).	Prior to issuance of the "in lieu" building permit, the licensee shall identify the resident civil engineer, the certified weld inspectors, and the certified special inspectors to the CBO and to the CEC. The CBO shall notify the licensee and the CEC of all approvals or disapprovals of the resident civil engineer, weld inspectors, or special inspectors.	Submitted October 30, 1986, SY 312 Complete Submitted welding inspector March 31, 1987 SY-529 Complete
CEC Decision Structural Engineering	8	All structural work shall be subject to inspection by the CBO and CEC. SCC shall notify the CBO and CEC when the work is ready for inspection.	All inspectors shall file a monthly report of their inspections with the CBO. If any inspector finds that the work is not being done in accordance with the approved plans, the discrepancies shall be reported immediately to SCC's resident civil engineer, to the CBO, and the CEC. The inspector shall prepare a subsequent written report sending copies to SCC, the CBO, and the CEC.	Complete
CEC Decision Structural Engineering	9	If any changes to the approved final plans are deemed necessary, SCC shall file with the CBO design changes to the final plans as required by the UBC, Section 303, submitting four sets of the revised drawings, and three sets of the specifications and calculations to the CBO with a copy of the transmittal to the CEC, and shall notify the CBO at least 15 days in advance of the intended filing (UBC, Chapter 3).	The CBO shall return one set of submittals stamped and signed with his approval to SCC within 30 days (or a lesser number of days mutually agreeable to the CBO and CEC), provided the plans comply with the stated requirements, and shall notify the CEC that he has approved the revised plans.	Complete

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CEC Decision Structural Engineering	10	Upon completion of any structure, SCC's responsible design engineer shall submit to the CBO and to the CEC: a) a written notice that the structure is ready for final inspection, and b) a signed statement that the structure conforms with final approved building plans. The marked up "as-built" drawings** for the construction of structural and architectural work shall be submitted to the CBO. Changes on the "as-built" drawings. ** Final "as-built" drawings shall be submitted within 6 months of completing construction of each structure, foundation, or equipment support.	The CBO shall inspect the completed structure and review the submitted documents. When the work and the as-built plans conform with the approved final building plans, the CBO shall give them final approval and shall notify the CEC and SCC of such approval. If a CBO is used, he shall also issue a Certificate of Occupancy after final approval.	Complete
CEC Decision Structural Engineering	11	SCC shall submit monthly to the CBO three sets of the following data: - concrete cylinder strength tests, (including date of testing, date sample taken, design concrete strength, tested cylinder strength, age of test, type and size of sample, location and quantity of concrete placement from which sample was taken, mix design designation and parameters); - concrete pour sign-off sheets; - bolt torque inspection reports (including location of test, date, bolt size, recorded torques); - field weld inspection reports, (including type of weld, inspection of NDT procedure and results, welder qualifications, certifications, qualified procedure description or number (ref: AWSI); and - reports covering other structural activities requiring special inspections in accordance with the UBC, Section 306.	The CBO shall review the above reports and shall indicate his approval/disapproval to SCC within 30 days with copies to the CEC, provided specific test results comply with identified requirements. If disapproved, the CBO shall immediately advise the CEC of the reason for disapproval.	Complete
CEC Decision Structural Engineering	12	At least 195 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start date of the first increment of construction, SCC shall furnish to the CBO and the CEC a schedule of structural plan submittals, a Master Drawing List, and a Master Specification List. The schedules shall contain a description list of proposed submittal packages of structural plans, calculations, and specifications, and specifications for critical electrical and mechanical equipment and the estimated date of submittal.	SCC shall submit the schedule, Master Drawing List, and Master Specifications List to the CBO and to the CEC, and provide updates monthly.	Complete

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Structural Engineering	13	<p>SCC shall ensure that all field fabricated tanks shall be designed, fabricated, and installed in accordance with API 650 (or AWWA D-100 as applicable) and CAC, Title 8, Chapter 4. If there are conflicting requirements, the most conservative shall govern (i.e., highest loads, lowest allowable stresses). Prior to the intended start of construction or fabrication of any tank, SCC shall submit four sets each of proposed final design plans, and three sets each of the specifications and calculations, and quality control procedures for each tank to the CBO with a copy of the transmittal to the CEC. In addition, the responsible design engineer shall be a registered structural engineer, with the authority to use the title "Structural Engineer" in the State of California, or a California Registered civil engineer, fully competent and proficient in the design of tanks, their foundations, anchorages and related equipment, and shall: a) sign, stamp, and seal the plans, calculations, and specifications; and b) submit a signed statement to the CBO and CEC that the proposed final design plans, specifications, and calculations conform with all of the requirements set forth in the Commission Decision.</p>	<p>SCC shall submit the required documents at least 120 days (or a lesser number of days mutually agreeable to the CBO and CEC) prior to the intended start of construction. The CBO shall notify the CEC, in writing, that the plan-check and tank installations were in accordance with the Commission Decision and the code requirements.</p>	<p>Submitted March 17, 1987 SY-491. Complete</p>
CEC Decision Traffic & Transportation	Trans-1	<p>Sycamore Cogeneration Company (SCC) shall comply with the Kern County and Caltrans restrictions on oversize or overweight traffic. SCC shall obtain transportation approvals from Kern County and Caltrans as necessary.</p>	<p>SCC shall, in its annual compliance report, notify the CEC of any transportation approvals obtained during the reporting period.</p>	<p>Complete</p>
CEC Decision Transmission Line Safety & Nuisance	1	<p>Sycamore Cogeneration Company (SCC) (or the transmission line owner, if other than SCC) shall construct, operate and maintain the transmission line in accordance with the California Public Utilities commission General Order 95 (GO 95). SCC (or the owner) shall inspect the transmission line annually to ensure compliance with GO 95.</p>	<p>SCC (or the owner) shall provide the CBO* with applicable documents and submit to the CEC a statement from the CBO indicating that the transmission line has been constructed in accordance with applicable requirements. The statement shall be submitted within 90 days after completion of the transmission line. *CBO is the county Chief Building Officer, other designated authority, or CEC duly authorized representative.</p>	<p>Complete.</p>

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CEC Decision Transmission Line Safety & Nuisance	13.2	Before energizing the transmission line SCC (or the owner), regardless of ownership or location, shall ensure that all ungrounded metallic fences longer than 350 feet, gates or other large permanent metallic objects within the right-of-way are grounded. In the event that the owner of the metallic item objects to the grounding, SCC (or the owner) shall notify the CEC and as a result is released from this requirement.		No fence longer than 350 feet Complete
CEC Decision Transmission Line Safety & Nuisance	13.3	In the event of complaints regarding induced currents from vehicles, portable objects, large metallic roofs, fences, gutters, or other objects, SCC (or the owner) shall investigate and take all reasonable measures, at its own expense, to correct the problem for valid complaints. For objects constructed, installed, or otherwise placed within the right-of-way after acquisition, SCC (or the owner) shall notify the owner of the object that it should be grounded. SCC (or the owner) shall, at its expense, ground the objects within the right-of-way upon request, normally within a week of such request. Notification to SCC (or the owner) of the need to ground is the responsibility of the property owner. SCC (or the owner) shall advise the property owners of the responsibility in writing prior to signing the right-of-way agreement. SCC (or the owner) shall also advise the property owner, in writing and at the time the right-of-way agreement is signed, that refueling of vehicles or equipment under the transmission line is not recommended.	SCC (or the owner) shall maintain a record of activities related to this requirement. Upon reasonable request, these records shall be made available to authorized CEC staff.	
CEC Decision Transmission Line Safety & Nuisance	13.4	SCC (or the owner) shall make every reasonable effort to locate and correct, on a case-by-case basis, all causes of radio interference and television interference attributed to the transmission line facilities and including, if necessary, modifying receivers and furnishing and installing antennas.	SCC (or the owner) shall maintain records of complaints and corrective actions and shall, upon reasonable request, make these records available to authorized CEC staff.	

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CEC Decision	TSE-1	<p>Sycamore shall ensure that the design, construction, operation, and maintenance of the Sycamore Omar Hill switchyard transmission line conforms with the following: a. Approximately 1.2 miles of 220 kV (nominal) single circuit steel pole transmission line with overhead ground wires shall be constructed between Sycamore and the Omar Hill switchyard, as generally shown in AFC figure V.C.1-1. b. Single 1590 kcm ACSR conductors shall be installed on the single circuit steel poles. c. Switchyard layout and equipment shall be constructed, operated, and maintained in accordance with the AFC or subsequent CEC approved modifications. d. Maximum power transport on the Sycamore to Omar Hill transmission line shall be limited to 322 megawatts (for 24 continuous hours), at 60 degrees Fahrenheit ambient temperature, or the corresponding value at other ambient temperatures. e. Maximum power transport on the Omar Hill to Magunden circuit shall be limited to 664 megawatts (for 24 continuous hours) at 60 degrees Fahrenheit ambient temperature or the corresponding value at other ambient temperatures. f. No other generating unit and no load other than the Omar Hill switchyard load may be connected to this circuit or to the Sycamore switchyard unless authorized by the CEC. g. The Sycamore to Omar Hill transmission facilities shall be constructed, operated, and maintained in accordance with CPUC approved applicable rules (SCE Tariff Rule 21 as specified in CPUC decision 83-10-093, or with subsequent revisions to that rule.) h. Sycamore shall inform the CEC of any change in ownership, and all Conditions for Certification shall apply to future owners of the facility.</p>	<p>Sixty days before start of construction (with the exception of grading), Sycamore shall submit to the CEC Compliance Unit general construction plans and schedules, conductor specifications, electrical descriptions, and one-line diagrams of the proposed transmission and switchyard construction. The electrical descriptions and one-line diagrams shall be signed by a registered electrical engineer, licensed in the State of California. - Within 180 days after commencement of commercial operation, Sycamore shall submit to the CEC Compliance Unit an electrical description signed by a registered electrical engineer licensed in the State of California. This description shall be in accordance with specifications in Condition 1. One-line electrical as-built drawings depicting conformance with Condition 1 shall be provided with the submittal.</p>	<p>Complete Submitted March 30, 1987 SY-528. Complete</p>
CEC Decision	TSE-2	<p>Sycamore shall ensure that the existing Omar Hill to Magunden circuit is not operated above 1535 amperes during an ambient temperature of 115 degrees Fahrenheit or the corresponding ampacity value at other ambient temperatures.</p>	<p>Sycamore shall provide a statement in their periodic compliance report attesting to conformance with this Condition.</p>	<p>Statement usually required in Quarterly Compliance Report. Quarterly reports no longer required per CEC letter dated December 20, 1996. Annual reports must continue to be submitted. Annual Compliance Report is submitted in February each year.</p>

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CEC Decision Transmission Line System Engineering	TSE-3	Changes to the Sycamore to Omar Hill line shall not be made without approval by the Commission. If Sycamore proposes to reterminate the Omar to Magunden circuit at Tejon (or other location), Sycamore shall file to amend this Decision, providing an analysis to the CEC Compliance Committee demonstrating the acceptability and relative merit of that termination with respect to Sycamore and Omar Hill being accommodated by the SCE system. Concurrent with the filing Sycamore shall also file the following: a. A detailed cost/benefit analysis using two bundled 1590 kcm ASCR conductors from the Omar Hill switchyard to Magunden. b. Detailed cost/benefit analysis evaluating the use of two circuits from Sycamore to Magunden (or any other proposed termination such as Tejon). c. A detailed cost/benefit analysis evaluating the use of two circuits from Omar Hill to Magunden (or any other proposed termination such as Tejon). d. A powerflow analysis justifying the use of a 1.00 loss adjustment factor for the Sycamore project.	Twelve months prior to any construction related to a Tejon (or other) retermination or at the time of SCE's submittal for a CPCN, Sycamore shall provide power flow, capacity, reliability, economic, and environmental studies evaluating the acceptability and relative merit of retermination. The proposed changes will constitute an amendment to the AFC and will require detailed electrical engineering description, construction plans and schedule, specifications and identification of environmental impacts. Sycamore's AFC amendment shall be in accordance with Title 20, Appendix B for the purpose of findings required and permitted by Title 20 Article 3, Section 1741 including, but not limited to, acceptability, relative merit, reliability, ratepayer impacts, environmental impacts and mitigation, public health and safety, and conformance with applicable laws, ordinances, regulations, standards, and criteria.	
CEC Decision Waste Management	11.1	Construction wastes shall be disposed of by the Sycamore Cogeneration Company (SCC) or its contractors at the sites which have been approved by the Regional Water Quality Control Board and local agencies.	At least 30 days before beginning construction, SCC shall submit a letter to the CEC listing the disposal sites to be used. SCC shall provide the CEC a copy of the provision in the Applicant's contracts requiring compliance with waste management laws and regulations designed to protect the public health and the environment.	Submitted October 30, 1986 SY-316. Complete
CEC Decision Waste Management	11.2	SCC shall apply to DHS for a hazardous waste generator determination, if needed. SCC shall comply with all of the requirements of the DHS determination.	Within 90 days after generating hazardous waste, SCC shall submit to the CEC and the Kern County Fire Department, Hazardous Materials Unit, a copy of any DHS determination, or verification that a hazardous waste generator determination was not needed.	
CEC Decision Waste Management	11.3	If SCC stores hazardous wastes on-site for more than 90 days, SCC shall obtain a determination from DHS that the requirements of a hazardous waste facility have been satisfied. Storage of such wastes shall be in accordance with DHS regulations. SCC shall file any required or requested information with the Kern County Fire Department, Hazardous Materials Unit.	SCC shall notify the CEC in the Annual Compliance Report if SCC applies for Hazardous Waste Facility Approval.	Annual Compliance Report Submitted February 2005.

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CEC Decision Waste Management	11.4	SCC shall ensure that hazardous wastes are disposed of in a manner and at a site permitted by DHS and the CVRWQCB for disposal of hazardous wastes.	In its Annual Compliance Report, SCC shall submit to the CEC verification that hazardous wastes were transported by a DHS permitted hazardous waste hauler, and that the wastes were disposed of at an appropriate site.	Annual Compliance Report Submitted February 2005.
CEC Decision Waste Management	5	SCC shall use a sanitary waste hauler licensed by the Kern County health Department to dispose of sanitary waste from portable toilets.	Before the start of site preparation, SCC shall submit to the CEC the name and permit number of the sanitary waste hauler it intends to use.	Submitted October 30, 1986, SY-316. Complete
CEC Decision Waste Management	6	SCC shall use a sanitary waste hauler licensed by the Kern County Health Department to dispose of sewage sludge generated at the facility.	When it becomes necessary to clean out the septic tank, SCC shall submit to the CEC the name and permit number of the licensed waste hauler it will use for sewage sludge disposal.	Submitted October 30, 1986, SY-316. Complete
CEC Decision Waste Management	7	SCC shall notify the CEC of any waste-related enforcement action against SCC during site preparation, construction, and operation of the power plant.	SCC shall notify the CEC within 10 days of SCC's receiving notification of an impending waste-related enforcement action.	None to date. Complete
CEC Decision Waste Management	8	SCC shall prepare a final waste disposal plan for all the operational wastes that will be produced during the lifetime of the proposed cogeneration plant. As a minimum, the waste disposal plan shall specify: a. The manner of handling each operational waste; b. The proposed route for hauling the waste to the selected disposal site; c. The proposed disposal site; d. The available alternative disposal site as well as SCC's rights to use those sites; and e. SCC's plans for operating the cogeneration facility if the proposed hazardous waste disposal sites are no longer available to SCC.	Six months prior to the scheduled start of operation of the cogeneration facility, SCC shall submit the waste disposal plan to the CEC.	Submitted June 15, 1987. SY-701. Complete
CEC Decision Water Quality	1	Before commencing operation of its waste injection wells, Sycamore (SCC) shall meet the requirements of the Department of Conservation, Division of Oil and Gas, the Central Valley Regional Water Quality Control Board, and U.S. Environmental Protection Agency.	SCC shall submit documentation of compliance with the requirements of the above agencies to the CEC at least 30 days before commencing waste injection.	Vesta: SY-805, Sept. 17, 1987 Sovereign: SY-962, Jan 19, 1988 Complete
CEC Decision Water Quality	2	SCC shall file a Spill Containment and Contingency Plan with the CEC, Kern County Department of Building and Safety, and Fire Department.	SCC shall submit the Spill Containment and Contingency Plan to the above agencies at least 90 days before commercial operation commences.	Submitted October 30, 1987 SY-854. Latest revision to Plan dated October 18, 2001.

Compliance Matrix
SYCAMORE COGENERATION CO.
 Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Water Quality	3	SCC shall not commence commercial operation of the Sycamore facility without prior approval of the Spill Containment Contingency Plan by the Kern County Department of Building and Safety and the Fire Department, and shall provide any and all updates to the plan after commencement of operation. The required Spill Containment and Contingency Plan should be deemed approved by the Kern County Department of Building and Safety and the Fire Department unless the Applicant is notified otherwise within 60 days of receipt.	SCC shall notify CEC in writing in the next periodic compliance report when the Spill Containment and Contingency Plan is approved by the above mentioned agencies and shall provide all updates to the plan in its Annual Compliance Report. SCC shall also file a statement with the Central Valley Regional Water Quality Control Board and CEC prior to plant start-up verifying that all plant personnel have been trained and are prepared to handle spills.	Verbal approval from CEC May 7, 1987. Complete
CEC Decision Water Quality	4	To prevent off-site discharge of pollutants, SCC shall construct the cogeneration facility with individual containment systems, berms, sumps and drainage systems for areas requiring spill containment per AFC Section 5.5.2 and 5.5.3.1. All spill containment areas shall meet an impermeability of at least 1 x 10 ⁻⁶ cm/sec.	The impermeability design requirement shall be included in the Combined Grading, Erosion and Sedimentation Control Plan and verified as prescribed by the applicable Conditions for Certification contained in the Civil Engineering portion of the Commission Decision.	Submitted October 7, 1986, SY-274. Complete
CEC Decision Water Quality	5	To assure integrity of earthwork and control of erosion and flood hazard the Applicant shall do all of the following: - Limit earthwork disturbance to the immediate construction sites. - Use suitable materials for construction of fills, embankments, dikes, and energy dissipators. - Provide runoff diversions, riprap, and energy dissipators. - Surface most of the enclosed area with 3 to 4 inches deep of crushed rocks.	Compliance with Civil Engineering Conditions 2, 9 and 12 constitute compliance with these requirements.	Tied to C. E. Conditions 2, 9, & 12 and included in rough and final grading package. Complete
CEC Decision Water Resources	1	Sycamore Cogeneration Company (SCC) shall obtain written verification from Texaco Producing Inc. that the fresh water supplied by Texaco to SCC will not create additional demand on the groundwater resources.	At least 30 days prior to construction SCC shall submit the written verification.	Submitted December 10, 1986, SY-355. Complete

Compliance Matrix

SYCAMORE COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Water Resources	2	SCC shall construct a storm drainage system designed to control a 100-year storm.	Within 180 days after first "turbine roll", the Applicant shall file "as-built" plans of the following drainage and flood control measures with the Kern County CBO and the CEC compliance project manager. The report shall contain: 1) a description of the storm drainage system (designating its design for controlling a 100-year or greater storm); and 2) identification of the facility and elevation delineations (pre-and post-construction) on a grading map. *Turbine roll, as used in the power plant industry, refers to the fine tuning or shakedown period prior to commercial operation.	Submitted April 27, 1988 SY-1108. Complete
CEC Decision Paleontological Resources	1	Sycamore shall submit to the CEC CPM for review and approval a revised paleontological mitigation plan for the pipeline project. It shall include all of the modifications specified in staff's analysis and mitigation measures discussion. Sycamore shall not begin construction on the pipeline project until the CEC CPM notifies Sycamore that the revised plan has been approved.	At least 30 days prior to the start of any project construction, Sycamore shall submit the revised mitigation plan to the CEC CPM for review and approval.	
CEC Decision Paleontological Resources	8	Sycamore shall designate a qualified paleontologist to monitor project ground disturbing activities that may affect potential significant paleontological resources. Sycamore shall provide to the CEC CPM the name, address, telephone number, and qualifications of the designated paleontologist. Sycamore shall not begin construction until the CEC CPM notifies Sycamore that the designated paleontologist has been approved.	At least 30 days prior to the start of construction on the project, Sycamore shall submit the required information to the CEC CPM for review and approval.	
CEC Decision Paleontological Resources	2	Sycamore shall ensure that all elements of the approved mitigation plan are properly implemented.	The CEC CPM or designee will determine whether Sycamore is in compliance with this condition through telephone calls, site visits, and/or review of reports, as the CEC CPM or designee deems appropriate.	

Compliance Matrix

SYCAMORE COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Paleontological Resources	3	Sycamore shall ensure that all paleontological monitors have access to the site during trenching operations and shall inform the paleontological monitors and construction personnel that the monitors have the authority to halt construction until they evaluate potential significant resources and perform any appropriate mitigation. Sycamore shall provide to the CEC CPM documentation that the monitors and construction workers have been informed. Sycamore shall not start construction until the CEC CPM informs Sycamore that the documentation has been approved.	At least 15 days prior to the start of project construction, Sycamore shall provide the required documentation to the CEC CPM for review and approval.	
CEC Decision Paleontological Resources	4	Sycamore shall submit to the CEC CPM for review and approval a status report from the designated paleontological specialist describing in general terms the extent of fossil resources encountered and retrieved during project construction. The status report shall include an estimate of when the final report on the analysis of the fossil materials recovered will be submitted to the CEC CPM.	Within 30 days after the completion of project construction, Sycamore shall submit the status report to the CEC CPM.	
CEC Decision Paleontological Resources	5	Sycamore shall submit to the CEC CPM for review and approval a copy of the final report from the designated paleontologist as required by the revised paleontological mitigation plan which describes monitoring and mitigation activities related to the project.	Sycamore shall submit the required information to the CEC CPM within 30 days after the designated paleontologist submits the final report to Sycamore.	
CEC Decision Paleontological Resources	6	After CEC CPM approval of the final paleontological report, Sycamore shall ensure that the report is filed with the California State Museum of Paleontology, University of California at Berkeley.	Sycamore shall provide to the CEC CPM documentation that the final paleontological report has been filed with the California State Museum of Paleontology, University at Berkeley.	
CEC Decision Paleontological Resources	8	Sycamore shall ensure the curation at the California State Museum of Paleontology, University of California at Berkeley, of any significant paleontological resources collected in the course of project monitoring and mitigation.	Sycamore shall provide to the CEC CPM documentation that arrangements have been made to provide for the curation of the paleontological resources collected.	

***** END OF REPORT *****