

AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

THIS AGREEMENT (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and Storrer Environmental Services having its principal place of business at 2565 Puesta del Sol, #3, Santa Barbara, CA 93105 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. **DESIGNATED REPRESENTATIVE.** Kevin Drude at phone number (805) 568-2519 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. John Storrer at phone number (805) 682-2065 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party.

2. **NOTICES.** Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by first class mail, postage prepaid, or otherwise delivered as follows:

To COUNTY: Kevin Drude
County of Santa Barbara Planning & Development Department
Energy Division
123 East Anapamu Street
Santa Barbara, CA 93101-2058

To CONTRACTOR: John Storrer
Storrer Environmental Services
2565 Puesta del Sol, #3
Santa Barbara, CA 93105

or at such other address or to such other person that the parties may from time to time designate. Notices and consents under this section, which are sent by mail, shall be deemed to be received five (5) days following their deposit in the U.S. mail.

3. **SCOPE OF SERVICES.** CONTRACTOR agrees to provide Environmental Quality Assurance Program (EQAP) monitoring services to the Energy Division on an as-needed basis, as authorized by the Energy Division. EXHIBIT A attached hereto and incorporated herein by reference provides an estimated scope of work and budget.

4. **TERM.** CONTRACTOR shall commence performance on July 1, 2008 and end performance upon completion, but no later than June 30, 2013 unless otherwise directed by COUNTY or unless earlier terminated.

5. **COMPENSATION OF CONTRACTOR.** CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by COUNTY and which is delivered to the address given in Section 2 **NOTICES.** above following completion of the increments identified on EXHIBIT B. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of invoice.

6. **INDEPENDENT CONTRACTOR.** CONTRACTOR shall perform all of its services under this Agreement as an independent contractor and not as an employee of COUNTY. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure.

7. **STANDARD OF PERFORMANCE.** CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

8. **TAXES.** COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

9. **CONFLICT OF INTEREST.** CONTRACTOR covenants that CONTRACTOR presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONTRACTOR further covenants that in the performance of this Agreement, no person having any such interest shall be employed by CONTRACTOR.

The term "organizational conflict of interest" means that a relationship exists whereby CONTRACTOR has interest which may diminish the capacity to give impartial, technically sound, objective assistance and advice or may otherwise result in a biased work product or may result in an unfair competitive advantage.

CONTRACTOR agrees that if an organizational conflict of interest is discovered with respect to this CONTRACT, CONTRACTOR shall make an immediate and full disclosure in writing to COUNTY which shall include a description of the action which the CONTRACTOR has taken or proposes to take to avoid, eliminate or neutralize the conflict. COUNTY may, however, terminate the CONTRACT if it could be in the best interests of the COUNTY.

10. **RESPONSIBILITIES OF COUNTY.** COUNTY shall provide all information reasonably necessary by CONTRACTOR in performing the services provided herein.

11. **OWNERSHIP OF DOCUMENTS.** COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, and any material necessary for the practical use of the data and/or documents from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any materials under this section except after prior written approval of COUNTY.

No materials produced in whole or in part under this Agreement shall be subject to copyright in the United States or in any other country except as determined at the sole discretion of COUNTY. COUNTY shall have the unrestricted authority to publish, disclose, distribute, and other use in whole or in part, any reports, data, documents or other materials prepared under this Agreement.

12. **RECORDS, AUDIT, AND REVIEW.** CONTRACTOR shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of CONTRACTOR's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting practices. COUNTY shall have the right to audit and review all such documents and records at any time during CONTRACTOR's regular business hours or upon reasonable notice.

13. **INDEMNIFICATION AND INSURANCE.** CONTRACTOR shall agree to defend, indemnify and save harmless the COUNTY and to procure and maintain insurance in accordance with the provisions of EXHIBIT C attached hereto and incorporated herein by reference.

14. **NONDISCRIMINATION.** COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

15. **NONEXCLUSIVE AGREEMENT.** CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

16. **ASSIGNMENT.** CONTRACTOR shall not assign any of its rights nor transfer any of its obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign or so transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

17. **TERMINATION.**

A. **By COUNTY.** COUNTY may, by written notice to CONTRACTOR, terminate this Agreement in whole or in part at any time, whether for COUNTY's convenience or because of the failure of CONTRACTOR to fulfill the obligations herein. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services effected (unless the notice directs otherwise), and deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process.

1. For Convenience. COUNTY may terminate this Agreement upon thirty (30) days written notice. Following notice of such termination, CONTRACTOR shall promptly cease work and notify COUNTY as to the status of its performance.

Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for service performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall CONTRACTOR be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not effect any right or remedy which COUNTY may have in law or equity.

2. For Cause. Should CONTRACTOR default in the performance of this Agreement or materially breach any of its provisions, COUNTY may, at COUNTY's sole option, terminate this Agreement by written notice, which shall be effective upon receipt by CONTRACTOR.

B. By CONTRACTOR. Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option terminate this agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.

18. SECTION HEADINGS. The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

19. SEVERABILITY. If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

20. REMEDIES NOT EXCLUSIVE. No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

21. TIME IS OF THE ESSENCE. Time is of the essence in this Agreement and each covenant and term is a condition herein.

22. NO WAIVER OF DEFAULT. No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

23. ENTIRE AGREEMENT AND AMENDMENT. In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

24. SUCCESSORS AND ASSIGNS. All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

25. COMPLIANCE WITH LAW. CONTRACTOR shall, at his sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY be a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

26. CALIFORNIA LAW. This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

27. **EXECUTION OF COUNTERPARTS.** This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

28. **AUTHORITY.** All parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not have breached the terms or conditions of any other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

29. **PRECEDENCE.** In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

30. **SUBCONTRACTORS.** CONTRACTOR is authorized to subcontract with subcontractors identified in Contractor's Proposal. CONTRACTOR shall be fully responsible for all services performed by its subcontractor. CONTRACTOR shall secure from its subcontractor all rights for COUNTY in this Agreement, including audit rights.

31. **HANDLING OF PROPRIETARY INFORMATION.** CONTRACTOR understands and agrees that certain materials which may be provided may be classified and conspicuously labelled as proprietary confidential information. That material is to be subject to the following special provisions:

A. All reasonable steps will be taken to prevent disclosure of the material to any person except those personnel of CONTRACTOR working on the project who have a need to use the material.

B. Upon conclusion of CONTRACTOR'S work, CONTRACTOR shall return all copies of the material direct to party providing such material. CONTRACTOR shall contact COUNTY to obtain the name of the specific party authorized to receive the material.

32. **IMMATERIAL CHANGES.** CONTRACTOR and COUNTY agree that immaterial changes to the work program (time frame and mutually agreeable work program changes which will not result in a change to the total contract amount) may be authorized by Planning and Development Director, or designee in writing, and will not constitute an amendment to the Agreement.

33. **NEWS RELEASES/INTERVIEWS.** CONTRACTOR agrees for itself, its agents, employees and subcontractors, it will not communicate with representatives of the communications media concerning the subject matter of this Agreement without prior written approval of the COUNTY Project Coordinator. CONTRACTOR further agrees that all media requests for communication will be referred to COUNTY'S responsible personnel.

Agreement for Services of Independent Contractor between the **County of Santa Barbara** and Storrer Environmental Services.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by COUNTY.

COUNTY OF SANTA BARBARA


By: _____
Salud Carbajal, Chair
Board of Supervisors

Date: _____

ATTEST:
MICHAEL F. BROWN
CLERK OF THE BOARD

CONTRACTOR
STORRER ENVIRONMENTAL SERVICES

By: _____
Deputy

By: 
SocSec or TaxID Number: 97-0324324

APPROVED AS TO FORM:
DANIEL J. WALLACE
COUNTY COUNSEL

APPROVED AS TO ACCOUNTING FORM:
ROBERT W GEIS, CPA
AUDITOR-CONTROLLER

By: 
Deputy County Counsel

By: 
Deputy

APPROVED AS TO INSURANCE:
RAY AROMATORIO
RISK PROGRAM ADMINISTRATOR

By: 
Risk Program Administrator

Contract Summary Form

Contract Number: BC 09-004

- D1. Fiscal Year.....: FY 2008/2009 through 2012/2013
- D2. Budget Unit Number: 053
- D3. Requisition Number: N/A
- D4. Department Name: Planning & Development
- D5. Contact Person.....: Kevin Drude
- D6. Phone: (805) 568-2519

- K1. Contract Type (check one): Personal Service Capital Project/Construction
- K2. Brief Summary of Contract Description/Purpose: Integrated EQAP Monitoring for Energy Division projects
- K3. Original Contract Amount: \$871,067.00
- K4. Contract Begin Date.....: July 1, 2008
- K5. Original Contract End Date: June 30, 2013
- K6. Amendment History (leave blank if no prior amendments):
- K7. Department Project Number.....: Various

- B1. Is this a Board Contract? (Yes/No): Yes
- B2. Number of Workers Displaced (if any).....: None
- B3. Number of Competitive Bids (if any).....: 2
- B4. Lowest Bid Amount (if bid): \$725,889.00 (+ \$145,178 contingency)
- B5. If Board waived bids, show Agenda Date.....: N/A
- B6. ... and Agenda Item Number: #
- B7. Boilerplate Contract Text Unaffected? (Yes / or cite ¶¶): Yes

- F1. Encumbrance Transaction Code: 1701
- F2. Current Year Encumbrance Amount.....: \$
- F3. Fund Number: 0001
- F4. Department Number: 053
- F5. Division Number (if applicable): 05
- F6. Account Number.....: 7460
- F7. Cost Center number (if applicable).....: N/A
- F8. Payment Terms: Net 30

- V1. Vendor Numbers (A=uditor; P=urchasing).....: (A) 786751
- V2. Payee/Contractor Name.....: Storrer Environmental Services
- V3. Mailing Address: 2565 Puuesta Del Sol Road #3
- V4. City State (two-letter) Zip (include +4 if known) : Santa Barbara, CA 93105
- V5. Telephone Number: (805) 682-2065
- V6. Contractor's Federal Tax ID Number (EIN or SSN) : 77-0324324
- V7. Contact Person.....: John Storrer
- V8. Workers Comp Insurance Expiration Date.....: N/A
- V9. Liability Insurance Expiration Date[s] (G=enl; P=rofl): 11/13/2008:
- V10. Professional License Number: # N/A
- V11. Verified by (name of County staff).....: Kevin Drude
- V12. Company Type (Check one): Individual Sole Proprietorship Partnership Corporation

I certify: information complete and accurate; designated funds available; required concurrences evidenced on signature page.

Date : 6/6/08

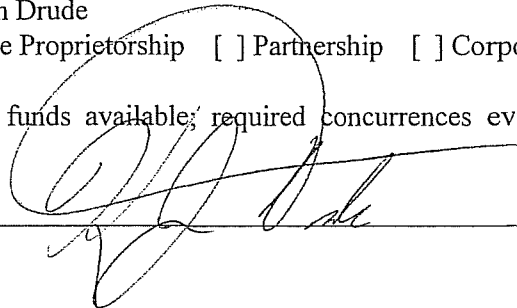
Authorized Signature: 

EXHIBIT A

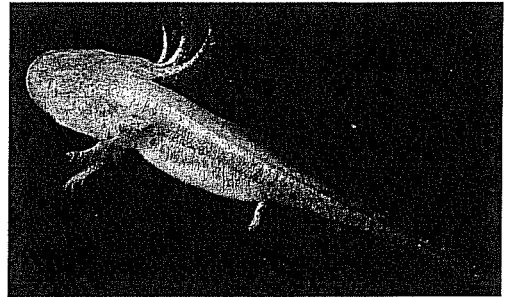
STATEMENT OF WORK

The work expected to be performed is specified in the following attachments, hereby incorporated by reference.

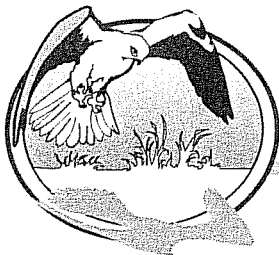
A-1 Storrer Environmental Services EQAP Technical Proposal Submitted May 9, 2008

A-2 Storrer Environmental Services EQAP Hourly Estimate and Rate Proposal
Submitted May 9, 2008

**SANTA BARBARA COUNTY
INTEGRATED ENVIRONMENTAL QUALITY ASSURANCE PROGRAM
FOR OIL AND GAS PROJECTS**



Technical Proposal



STORRER
ENVIRONMENTAL
SERVICES

Submitted to

Santa Babara County Energy Division
123 East Anapamu St. 1st Floor • Santa Barbara, CA • 93101

Submitted by

Storrer Environmental Services
2565 Puesta Del Sol Road #3 • Santa Barbara, CA • 93105
805 • 682-2065

May 9, 2008

TECHNICAL PROPOSAL

TABLE OF CONTENTS

	<u>Page</u>
1.0 Introduction and Summary	1
2.0 Approach and Work Program	2
A. General Approach	2
B. Approach to Individual Work Program Tasks	2
Task 1: Field Monitoring of Construction and Abandonment Projects	2
Task 2: Field Monitoring of Ongoing Revegetation and Landscaping Programs and Erosion Repair	3
Task 3: Field Monitoring for Special Programs and/or Studies and Environmental Specialists	3
Task 4: Emergency Field Monitoring	4
Task 5: Periodic Inspections of Facilities	4
Task 6: Reporting to the Energy Division	5
Task 7: Technical Support for Environmental Review	5
Task 8: Background Review and Mobilization	6
C. Anticipated Level of Effort	6
3.0 Outline and Format for Reporting to Energy Division	7
A. Routine Data Collection	7
B. Briefings for Energy Division Staff	7
C. Environmental Quality Control Reports	8
D. Annual Status Report	8
E. Annual Revegetation Progress Reports	8
4.0 Program Management	8
A. Field Monitoring Team	8
B. Communication	10
C. Staff Assignments	10

TABLE OF CONTENTS
(continued)

D. Management Structure 11

E. Contingency Planning and Emergency Response..... 12

F. Team Capabilities 13

 Firm’s Management Background 14

 SES – Relevant Experience with Similar Projects..... 14

G. Personnel Qualifications 16

 John Storrer – Project Manager/Onsite Environmental Coordinator..... 16

 Thomas Olson – Asst. Project Manager/Onsite Environmental Coordinator..... 18

 Bruce Reitherman - Onsite Environmental Coordinator 19

 Laurence Spanne – Archaeological Specialist..... 19

 Perry Russell – Geological Specialist..... 20

 Hooshang Khosrovani..... 21

 Peter Gaede 22

 Juliana Hydanus - Environmental Monitor..... 22

 Santa Ynez Band of Mission Indians – Cultural Resource Monitoring..... 22

Figures

Figure 1: Integrated EQAP Management Structure..... between Pages 8 and 9

Tables

Table 1: EQAP Chain of Command and Notification Procedure for Emergency Response..... 13

Appendices

Appendix A: Anticipated Level of Effort for Individual Projects end of document

Appendix B: Resumes and References end of document

1.0 Introduction and Summary

The Energy Division of the Santa Barbara County Planning and Development Department (P&D) has requested assistance with coordination and management of the Integrated Environmental Quality Assurance Program (EQAP) for Oil and Gas Projects in Santa Barbara County. The purpose of the EQAP is to ensure compliance with the conditions of approval for development and land use permits issued by the Energy Division of P&D. Mitigation monitoring and reporting is also a requirement of state legislation embodied in Section 21081.6 of the California Environmental Quality Act (CEQA). The permit conditions and related mitigation plans are intended to avoid or offset potentially adverse environmental impacts due to construction, operation, and abandonment of energy production facilities.

Storrier Environmental Services (SES) is uniquely qualified to manage the Integrated EQAP for Oil and Gas Projects. The proposed EQAP team offers a comprehensive background in environmental review and permitting, compliance monitoring, and evaluation of mitigation design and effectiveness for Santa Barbara County energy projects. This background is based on 22 years of first-hand experience in the practical application of environmental mitigation for the specific projects encompassed by the Integrated EQAP for Oil and Gas Projects. SES has managed 10 prior or current permit compliance monitoring programs for large-scale development projects in Santa Barbara County from 1985 to the present. Each of these projects has been executed efficiently and cost-effectively. Recommendations made by SES during and following these projects have helped shape and refine many of the mitigation measures currently implemented on energy projects in Santa Barbara County.

This proposal identifies the project personnel who will be responsible for implementing the work program outlined in the Energy Division's Request for Proposals (RFP). Management structure and staff responsibilities of the proposed EQAP team are outlined. The communication network involving the field EQAP, the Energy Division, industry representatives, other agency representatives, and the public is detailed herein. Methods and assumptions used for estimating the level of effort for EQAP work program tasks are discussed and the system of documentation and reporting is described.

The EQAP emphasizes three fundamental components: field monitoring and evaluation; documentation and reporting; and review of mitigation plans and CEQA documents. These responsibilities are embodied in the individual work program tasks (Tasks 1 through 7), as outlined in the RFP.

The anticipated level of effort for implementation of the EQAP is organized by individual project for each work program task. This level of detail is necessary to generate a reliable cost estimate and for subsequent billing and cost tracking purposes. The scope of services is defined as precisely as possible, given the information available at the present time. It is understood that the work program is subject to change, due to uncertainties inherent in the monitoring program. Assumptions concerning the anticipated level of effort are identified for each project. This information was also used to compute the estimates in the accompanying Hourly Estimate & Rate Proposal.

2. Approach and Work Program

A. General Approach

To operate effectively, the EQAP team must have the following attributes:

- Familiarity with EQAP implementation for regional oil and gas projects.
- Understanding of each project's permits and monitoring requirements.
- Responsiveness to specific needs of Energy Division staff.
- Adaptability to changes in construction and operations schedules.
- Management skills necessary to make efficient staff assignments.
- Ability to interface between Energy Division staff and industry representatives.
- Capability to organize, integrate, and maintain documentation.
- Qualified technical expertise.

The objective of the EQAP is to provide complementary assistance to the Energy Division to ensure compliance with permit conditions of approval and related mitigation plans. SES offers both the management qualifications and specific technical expertise necessary for implementation of the EQAP. The proposed EQAP team is comprised of highly qualified resource professionals with technical knowledge and practical experience in applying environmental mitigation in the context of large oil and gas development projects. Each team member has extensive professional experience in Santa Barbara County and understands the technical and environmental intricacies associated with oil and gas development projects. Team members have demonstrated the ability to work cooperatively with industry representatives and their contractors toward the mutual goal of satisfying permit requirements.

B. Approach to Individual Work Program Tasks

Task 1: Field Monitoring of Construction and Abandonment Projects

Field monitoring of construction and abandonment projects (Task 1) entails onsite representation for projects of varying duration and complexity. This variability requires an inherent level of flexibility to the program, as well as an understanding of compliance monitoring parameters by the EQAP Project Manager. Field representation will be phased over the duration of individual projects, according to the type of construction/abandonment activity in progress and its related environmental sensitivity. Task 1 involves each of the subtasks listed in the RFP: Contractor Briefings; Consultation with Energy Division staff; Documentation; Redirection of Work; and Field Changes. These program elements are the essential responsibilities of the EQAP field monitor and might otherwise be defined as communication, documentation, enforcement, and facilitation of permit requirements. Subtasks must be well-integrated in order for the program to operate smoothly. Contractor briefings are intended to familiarize project personnel with monitoring protocol, permit requirements, environmental sensitivities, and authorities of the EQAP. Consultation with Energy Division staff is best accomplished through verbal (telephone) or electronic (e-mail) briefings following site visits. Daily Activity Summaries, Environmental Quality Control

Reports (EQCRs), and photographs provide necessary documentation of permit compliance in a timely manner.

EQAP staff must maintain a comprehensive knowledge of permit requirements and exercise sound judgment in redirecting construction or demolition work, should violations of the permit conditions be observed. EQAP staff may also facilitate projects by reviewing proposed field changes to ensure consistency with the approved plans and permits. Thorough understanding of the permit process and authorities of the EQAP are necessary to determine when proposed field changes require consultation and/or approval of County staff or decision makers.

Construction or abandonment projects of limited scope and duration will typically be monitored through periodic site inspections by the OEC. Larger projects requiring full-time field representation will be staffed by Environmental Monitors, with oversight (including periodic inspections) by the OEC. This system will provide for the appropriate level of compliance monitoring with a more cost-effective approach.

The anticipated level of effort for Task 1 is based in part on the monitoring frequency suggested in the table on Pages 5 and 6 of the RFP, as well as SES's prior experience with individual projects. Work programs for larger-scale construction efforts (e.g. Lompoc Wind Energy, American Ethanol, Inc., and Exxon/Mobil Hondo Re-injection Projects) were developed through a review of expected duration, scope, and environmental sensitivities of these projects.

Task 2: Field Monitoring of Ongoing Revegetation and Landscape Programs and Erosion Damage Repair

Revegetation and erosion control monitoring (Task 2) involves long-term tracking of compliance with restoration and landscape programs. Periodic progress evaluations, including photo-documentation, and development of recommended remedial actions are key components of this task. Timeliness of field surveys and submittals is essential to the effectiveness of these programs. Familiarity with specific projects, knowledge of regional biota, and command of revegetation and erosion control techniques are required qualifications for monitoring personnel. The proposed EQAP team includes two individuals, John Storrer and Thomas Olson, with experience in design, implementation, and follow-up monitoring of revegetation programs in the Santa Barbara Region.

The level of effort for Task 2 is based on SES's knowledge of current status and monitoring requirements for projects with long-term restoration and erosion control programs.

Task 3: Field Monitoring for Special Programs, and/or Studies, and Environmental Specialists

Satisfactory implementation of Task 3 (field monitoring for special species mitigation and/or resource management programs) requires a general, multi-disciplinary resource background as well as specific resource area expertise. A practical knowledge of archaeology, geology, and biology is necessary from a management perspective. The proposed EQAP team offers special

expertise in biology (including botany, revegetation, terrestrial and aquatic vertebrates, and marine mammals), geology, acoustical analysis, and archaeology. SES has a contract with the Tribal Elders Council of the Santa Ynez Band of Mission Indians to provide Native American monitoring and consultation. The Santa Ynez Band is federally-recognized and is acknowledged by the County of Santa Barbara as being qualified to perform cultural resource monitoring. Access to technical specialists in the fields of water quality, and marine biology will be provided on an as-needed basis. Resource specialists will provide the required level of technical skill for plan review. Management must have the communication skills and understanding of the regulatory process necessary to provide liaison with agency representatives, private landowners, and the public. To complement the expertise of the technical specialists, the Project Manager has dealt extensively with state and federal agencies, the academic community, and local Native American groups in the context of permitting and mitigation monitoring.

The anticipated level of effort for Task 3 is based on SES team's familiarity with the programs outlined in the table on Page 7 of the RFP and level of specialized expertise expended over the last 14 years of administering the Integrated EQAP. Additional services may be requested by Energy Division staff, including input from specialists in disciplines not specifically identified as EQAP staff members (e.g. water quality, marine resources). These would be provided upon written authorization, following submittal of a scope of services and detailed cost estimate generated by the EQAP Project Manager. Qualifications of Environmental Specialists not identified in this proposal would be subject to the approval of the Energy Division.

Task 4: Emergency Field Monitoring

Task 4, emergency field monitoring, will be conducted on an as-needed basis (i.e. as directed by County staff). Therefore, no anticipated level of effort has been identified. Preparation, by virtue of having the necessary training to handle emergencies (e.g. oil spill response, H₂S safety, HAZWOPER certification) and adequate staffing are the most important elements of this task. In such an event, EQAP staff would make field inspections and provide oversight of emergency response operations. A system to ensure effective communication and coordination of monitoring assignments during emergencies is described in Section 4.0 of this proposal.

We perceive the role of the EQAP in emergency situations to be one of oversight monitoring. The dual purpose of emergency oversight monitoring is to keep Energy Division staff informed of emergency response efforts and project status and to help prevent or minimize incidental environmental damage during cleanup operations. The EQAP role is not to direct emergency response operations, but to work cooperatively with resource agencies, industry and their contractors to facilitate containment, cleanup, and resource protection in the event of a spill.

Task 5: Periodic Inspections of Facilities

Periodic inspections of the facility sites (Task 5) will continue to provide the foundation for the EQAP compliance tracking system, as they have enabled continuous evaluation of project

status. This foundation began with the start of the Integrated Oil and Gas EQAP in 1994. Site visits also provide opportunity for regular communication with industry representatives. Such communication is an effective mechanism for ensuring permit compliance from both agency and industry perspectives. Information regarding operations status (e.g. throughput, storage tank levels), ongoing mitigation programs (e.g. restoration, erosion control), and supplemental construction will be obtained during these regularly scheduled site visits. Checks of construction progress (Task 1), ongoing revegetation and erosion control monitoring programs (Task 2), and field monitoring for special programs (Task 3) can often be combined with monthly site visits.

To further maximize efficiency, facilities inspections will be approached geographically, consistent with the Energy Division's regional management organization. Inspections will be combined as convenient, according to location rather than by operator. For example, visits to Las Flores Canyon would typically include inspections of the Exxon/Mobil, POPCO, and AAPL facilities. Similarly, a site visit to the North County area might include stops at the Lompoc Oil and Gas Plant, Orcutt Pump Station, and Santa Maria Pump Station. This allows for a cost effective and efficient monitoring system.

The level of effort for Task 5 is based on the monitoring frequency noted on Page 8 of the RFP and the SES's knowledge of program logistics.

Task 6: Reporting to Energy Division

Documentation and reporting (Task 6) is a principal feature of the EQAP. Regular reporting to the Energy Division and organization of project documentation are necessary for verification of permit compliance. Task 6 may also include telephone or electronic (e-mail) contacts with industry representatives that are necessary to track status of individual projects. A comprehensive written and photographic record will be maintained through daily field notes, e-mail transmittals, telephone logs, periodic status reports, and photographs. The documentation system is described in greater detail in Section 3 of this proposal.

Anticipated level of effort for Task 6 is based on the monitoring and reporting frequency identified on Pages 8 and 9 of the RFP.

Task 7: Technical Support for Environmental Review

Task 7, technical support in specialized environmental sciences, will be provided as requested by Energy Division staff (i.e. level of effort for this task is not necessarily pre-determined). The proposed EQAP staff members are highly qualified for the desired services (e.g. assistance with preparation of CEQA documents, evaluation of environmental mitigation). Collectively, they are experienced in both environmental review and practical application of mitigation measures. These capabilities, coupled with in-field experience obtained during the course of the EQAP, will lend valuable insights to the Condition Effectiveness Studies for individual projects.

Task 8: Background Review and Mobilization

Because of the SES team's previous EQAP involvement with local energy projects and existing management framework, background review and mobilization will not be necessary.

C. Anticipated Level of Effort

An estimated level of effort for individual projects has been developed, given the information provided in the RFP and SES's familiarity with monitoring logistics and project status. As noted in the RFP, this effort and its corresponding budget are based on an *estimated* scope of work, with the understanding that the actual services requested of, and provided by, the EQAP contractor may vary due to the inherent uncertainty of monitoring program requirements. The work program has been defined as precisely as possible, with underlying assumptions clearly stated. We understand that the actual scope of work may vary and that any changes to the work program as defined in this proposal would be subject to negotiation, review, and approval by both the EQAP contractor and the County. A breakdown by task for individual projects, and the assumptions used in generating the estimated level of effort is provided in Appendix A of this Technical Proposal. A summary level of effort is presented in the accompanying tables. The estimates are based on a two-year period of performance.

The operations projects (e.g. Exxon/Mobil LFC, POPCO Gas Plant, AAPL, Point Arguello, ConocoPhillips Sisquoc and Point Pedernales, PXP Point Pedernales, and Venoco Ellwood Onshore Facilities) will require a consistent annual base level of effort for Tasks 3, 5, and 6 over the five-year term of the contract. Specific construction projects identified under Task 1 will involve additional field monitoring on a short-term basis (e.g. Exxon/Mobil Hondo Re-injection Project). Some of the abandonment projects listed on Attachment A of the RFP (e.g. AERA Guadalupe, ARCO Dos Pueblos, Chevron Gaviota, and Gaviota Terminal) require a narrower scope of work within a shorter time frame. Others (e.g. ARCO Alegria, Texaco Hollister Ranch Pipelines, and Unocal Cojo Marine Terminal) are in the restoration phase, which involves primarily Task 2. Work programs for the Lompoc Wind Energy and American Ethanol Projects reflect an emphasis on the development phase (Tasks 2 and 6), with follow-up restoration monitoring (Task 2). Work programs for these large-scale projects may have to be modified or refined in consultation with Energy Division Staff, as additional details regarding scope and timing become available.

No hours have been budgeted for Task 4 or 8, because of their unpredictability and non-necessity, respectively. For certain projects, it is assumed that OECs will provide a percentage of the monitoring effort for Tasks 1, 5, and 6. Environmental Monitors will be used for construction or abandonment projects requiring a greater level of field representation. The majority of participation by ESs will be at the request of County staff; therefore hours have been allocated only for projects where tasks have been predetermined or where some level of technical review is anticipated. Refer to Appendix A of this Technical Proposal for a detailed outline of the anticipated level of effort associated with each project.

3. Outline and Format for Reports to Energy Division

Reporting serves two main functions: to keep Energy Division Staff apprised of current project status and to document permit compliance. The reporting system should be comprehensive, yet efficient. Several forms of documentation are described in the RFP. They include: routine data collection (e.g. daily field notes, photographs, videotape); briefings for Energy Division staff (either in person, via e-mail correspondence, or by telephone); and periodic status reports. These sources of documentation and the reporting system to be used in conveying information to the Energy Division are described as follows.

A. Routine Data Collection

EQAP monitors will maintain field notes describing contacts with industry representatives, the public, other regulatory agencies, and County staff. Field notes will summarize observations and discussions that occur during site inspections and will provide the basis for EQAP Daily Activity Summaries. Daily Activity Summaries will be transmitted electronically within 24 hours of each site inspection to the County Planner and Project Manager. This is the most efficient means of briefing Energy Division Staff on project status and issues of permit compliance. Including industry contacts on the distribution list for activity summaries is a useful means of documenting and reinforcing compliance-related issues.

Photographs and videotape (the latter, if specifically requested) will be taken during site inspections and field surveys. Digital photographs will accompany the Daily Activity Summaries. Photographs and videotape may also be submitted with periodic progress reports or other written memoranda as a visual aid to Energy Division staff. They may also be useful in making presentations at public hearings. A photographic record will be maintained throughout the course of each project.

B. Briefings for Energy Division Staff

Regular communication will be maintained with Energy Division Regional Project Team Leaders and Planners. This will be accomplished largely through telephone briefings, e-mail correspondence following site inspections, and meetings with Energy Division staff. E-mail summaries of EQAP site visits are the most useful means of communication, because of their brevity and immediacy of transmittal. Presentations at public hearings will be delivered upon request of Energy Division staff.

The frequency of communications and meetings with Energy Division staff will depend largely on the level of activity at any given time. At minimum, telephone and/or e-mail reports to the appropriate Regional Project Team Leader and/or Planner will be made following each site visit or facility inspection. Data gathered via telephone contacts with facilities operators (i.e. production or transportation status) will be transmitted to the Project Planner on the same day that they are obtained. Daily telephone and/or e-mail reports will be provided during periods of peak construction activity.

C. Environmental Quality Control Report

The Environmental Quality Control Report (EQCR) is the most concise form of documenting compliance or non-compliance with a specific permit condition. EQCRs are most useful for recording incidents of non-compliance. The report is issued to the industry representative onsite as soon as the infraction is observed. The immediacy of this form of documentation is useful in expediting corrective action. EQCRs may also be issued to document satisfactory completion of specific permit requirements.

D. Annual Status Reports

Annual reports are the most comprehensive form of documentation for the project. Annual reports are intended as a summary of construction progress, mitigation effectiveness, and compliance status. They are useful for tracking permit compliance and are a valuable source of information for evaluating permit condition effectiveness. The annual report will include an evaluation the permit conditions, with recommendations for improvement, as appropriate. Permits for certain projects require annual evaluations of restoration, erosion control, and revegetation progress. These will be prepared as necessary for specific projects.

EQCRs written during the course of the project will be presented in table format, and any necessary Energy Division follow-up or future monitoring needs for specific projects will be identified. Annual Reports will also contain an evaluation of EQAP performance and recommendations for improving the effectiveness of the monitoring program.

E. Annual Revegetation Progress Reports

Some of the projects, in particular those with conditions for pipeline revegetation, special species restoration (e.g. riparian crossings, Gaviota tarplant, native perennial bunchgrass), and facilities landscaping require annual revegetation assessments and reporting. In some cases (e.g. ConocoPhillips Point Pedernales, Unocal Cojo Marine Terminal) the required reports are prepared by industry and submitted to the County for review. With some of the larger pipeline revegetation projects (e.g. Exxon/Mobil LFC, Point Pedernales, and All American Pipeline); the assessments are done by, or in cooperation with, EQAP Revegetation Specialists.

4. Program Management

A. Field Monitoring Team

The EQAP will be administered by a team of experienced environmental professionals consisting of a Project Manager (PM), Assistant Project Manager (APM), Onsite Environmental Coordinators (OECs), Environmental Monitors (EMs), and Environmental Specialists (ESs). The organization of the EQAP team and its relationship within the framework of the County Permit Compliance Program is graphically depicted in Figure 1. The PM and APM serve dual roles in project management and as OECs. Designated OECs will perform the majority of routine compliance monitoring tasks. The APM will participate with each aspect of the program and will be available to fill the role of PM, at such time that the PM

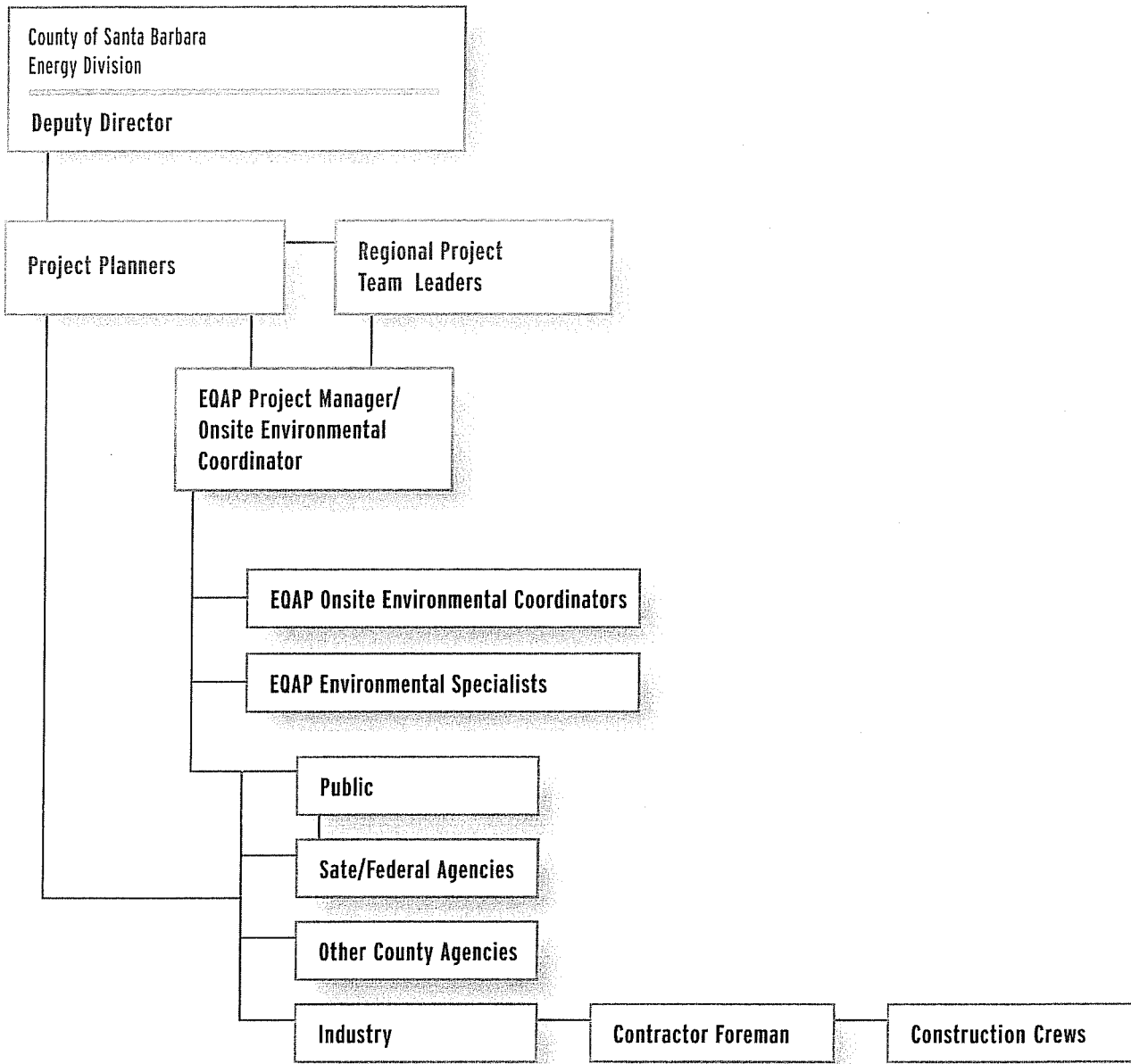
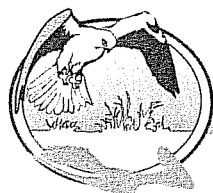


Figure 1

Integrated EQAP Communication Structure

Santa Barbara County Permit Compliance Program Oil and Gas Projects



STORRER
ENVIRONMENTAL
SERVICES

is unavailable. Participation by EMs will be limited to the field compliance monitoring duties described for Task 1. ESs will provide expertise in their particular disciplines, as determined necessary by the Energy Division Regional Project Team Leaders and the PM.

The PM will have responsibility for coordination and scheduling of EQAP personnel and for sustaining a continuous network of communication comprising EQAP staff, the Energy Division, and industry representatives. In addition to their management duties, the PM and APM will perform the site inspections and will be the primary authors of the annual status report. They will also function as OECs for construction monitoring, site inspections, and emergency response. These combined roles lend continuity and responsiveness to the program and avoid redundant administrative oversight.

OECs (the OEC position includes the PM and APM) will participate in routine data collection (e.g. field inspections, telephone communications with facilities operators) and field monitoring for construction and abandonment projects. They will also assist with revegetation monitoring, mitigation assessment, and preparation of status reports. Each of OECs offers technical expertise in one or more resource disciplines. This dual capability will be useful for review of mitigation plans and CEQA documents as described for Tasks 3 and 7.

Use of EMs allows a more cost-effective option for long-term construction and abandonment projects that require a sustained level of field representation. Under this system, OECs would supervise the EMs and would make periodic site inspections to evaluate compliance status. EMs will report to the PM or APM on a daily basis. Projects for which EMs might be deployed include the Acciona Lompoc Wind Energy and American Ethanol Projects. EMs have been included in the individual scopes of work for these two projects only. This option could be expanded to include other projects requiring a high level of field representation, if determined to be more efficient and cost effective.

ESs in disciplines other than revegetation will be scheduled primarily for plan or CEQA review (Tasks 3 and 7), as determined necessary by the Energy Division Regional Team Leaders and PM. It should be noted that relatively few specific tasks have been predetermined for the ESs (notable exceptions are the Annual Geohazards Investigations for the PXP and Conoco/Phillips Point Pedernales Projects). A nominal allocation has been assigned for ES's under Task 3 for specific projects. This will accommodate anticipated plan, permit, or CEQA review for those particular projects. Additional services of ESs will be provided upon specific request from Energy Division staff. A separate scope of work will be prepared for each task and will be subject to review and approval of the Energy Division. The work will be authorized through execution of a Notice-to-Proceed.

The level of necessary field representation depends on the scale of the project, its related environmental sensitivity, and phasing and scheduling of various construction tasks. For example, periodic "spot-checks" by OECs may be appropriate for relatively small scale projects, whereas continuous field monitoring by EMs may be necessary for larger projects with greater potential for environmental impacts. Cultural resource monitoring requirements embodied in permit conditions for specific projects may dictate a substantial level of field representation. It is the intent of EQAP management to provide a sufficient level of

monitoring while avoiding duplication of effort. Staff resources and budget allocations have been estimated accordingly. This system will impart an inherent flexibility to the program. Staff assignments will be efficient, while maintaining the flexibility necessary to respond to potential changes in construction schedules.

B. Communication

The PM will maintain regular communication with the Permit Compliance Team Leader, Energy Division Regional Team Leaders, and Planners. Close communication will be necessary not only to convey information on project status, but also to seek direction on supplemental monitoring assignments and in the case of proposed field changes. The PM will rely on the direction of the Energy Division Regional Team Leaders for scheduling ESs for tasks not specifically defined in the original scope of services (i.e. in this proposal).

In addition, the PM will ensure that other staff members remain informed on project status. OECs and EMs will be copied on Daily EQAP Activity Summaries, as well as written correspondence or other documentation dealing with their respective projects.

C. Staff Assignments

The following personnel will be assigned to the EQAP. Any modifications to the proposed staffing during the period of contract performance will be subject to approval by the Energy Division.

Project Manager/Onsite Environmental Coordinator	John Storrer
Assistant Project Manager/Onsite Environmental Coordinator	Thomas Olson
Onsite Environmental Coordinator	Bruce Reitherman
Environmental Specialists	
Archaeology	Laurence Spanne
Noise/Acoustical Analysis	Hooshang Khosrovani
Geology	Perry Russell
Biology	John Storrer Bruce Reitherman Thomas Olson
Environmental Monitors	Peter Gaede Juliana Hydanus Santa Ynez Reservation

D. Management Structure

The proposed management structure relies to a great extent on the experience and capabilities of the principal, John Storrer. His familiarity with the specific projects encompassed by the Integrated EQAP for Oil and Gas Projects and prior working relationships with both Energy Division staff and industry personnel will greatly facilitate management of the program. Each of the OECs has substantial EQAP monitoring experience, enabling a greater capacity to deal with multiple, concurrent monitoring assignments, should the need arise. The specific qualifications of the ESs adds strength and dimension to the SES EQAP team.

Each of the primary EQAP staff members (APM, OECs, EMs, and ESs) has previously worked under subcontract arrangements with SES. The OECs and ESs offer subcontract services to a varied clientele and are able to coordinate other project commitments with EQAP monitoring assignments. The EMs will be available to assist with specific construction or abandonment projects, as necessary. Letters of Commitment from subcontractors are included in the accompanying Hourly Estimate and Rate Proposal.

The PM will be responsible for scheduling and quality control for all tasks. All written correspondence to the Energy Division, industry, or other agencies will be reviewed by the PM prior to submittal. The required number of deliverables (e.g. briefings materials, EQCRs, field notes and photographs, periodic status reports, specialist reports, memoranda) listed in Section in RFP will be furnished to the appropriate Energy Division staff member(s).

As PM, John Storrer will be accountable for the program's budget. A daily accounting of hourly expenditures will be compiled for all EQAP staff members by project, for each task area, using daily work logs. The cumulative figures for hours expended and costs incurred will then be entered into a computerized cost tracking system. Tracking of both time and costs in relation to personnel and/or task may then be performed on a monthly and cumulative basis. A cost tracking table for each project will be submitted with monthly invoices. Monthly billings and cost tracking information will be prepared by a professional accountant. John Storrer will arrange scheduling and will authorize all cost expenditures, lending further integrity to the cost control system. Documentation of project expenditures, including work logs for all EQAP team members and original subcontractor invoices will be retained by the prime contractor.

SES's main office is in Santa Barbara, on the grounds of the Museum of Natural History. Permanent records and copies of all project related documents will be stored at this location. Working documents and files will be carried in the field monitors' vehicles. Reports and other submittals will also be produced at the Santa Barbara office.

Each staff member will be equipped with a cellular telephone. This will ensure that field personnel can be contacted promptly by Energy Division staff and industry representatives. It will also ensure immediate communication between team members during all working hours. A contact sheet with telephone numbers (office, home, mobile phone) and an outline of the EQAP chain of command (Table 1) will be circulated to all Energy Division Regional Project Team Leaders and Planners.

E. Contingency Planning and Emergency Response

The PM will be the primary contact point for Energy Division staff and will be available on a 24-hour basis via telephone. Backup will be provided by the APM and OEC positions, according to an established "chain of command" outlined in Table 1. This system of safeguards will ensure adequate staffing for multiple, concurrent field monitoring assignments and emergency response.

When the PM is unavailable due to other project commitments or personal leave, the APM will fill a necessary backup role. The OEC is also qualified in this capacity and will maintain a sufficient level of familiarity with individual projects. This will be accomplished through periodic involvement with project components (e.g. facilities inspections, field monitoring), review of project correspondence, and regular briefings by the PM. Management will provide sufficient staffing for response to emergencies and enable coverage of concurrent monitoring assignments (i.e. monitoring at geographically separate locations), as necessary.

The proposed EQAP team includes a total of three OEC positions (including the PM and APM). The APM will be the first alternate to the PM for program management and coordination. The OEC will serve an important backup role, particularly with regard to the Exxon/Mobil Las Flores Canyon Project. The APM is unable to participate with this particular project due to a potential conflict of interest, as described in the accompanying Cost Proposal. This redundancy lends continuity to the project, enhances backup capabilities of the OECs, and facilitates emergency response.

In order to further streamline this system, Thomas Olson has been designated as APM, in addition to his role as OEC. Mr. Olson will be the primary backup to the PM in his absence. On the rare occasion that both Mr. Storrer and Mr. Olson are unavailable, Bruce Reitherman will assume the responsibilities of EQAP Project Manager. Regular communication between the PM and APM will ensure that either or both is available 24 hours per day in the event of an emergency. The Energy Division will be advised in advance at such times that the PM is not available for periods longer than 24 hours, during which time the APM will be the primary contact for the EQAP. Mr. Storrer and Mr. Reitherman are located in Santa Barbara and Summerland, respectively. Mr. Olson maintains an office and residence in Lompoc. The proposed EMs reside in Santa Barbara, Santa Maria, and Santa Ynez. This geographic distribution will facilitate timely response to emergencies at any of the facility sites. The notification procedures described above have been employed during implementation of the Integrated Oil and Gas EQAP during the past several years and coverage by SES has been seamless.

Table 1
EQAP Chain of Command
Notification Procedure for Emergency Response

<u>Staff Position</u>	<u>Personnel</u>
Project Manager/Onsite Environmental Coordinator	John Storrer
Assistant Project Manager/Onsite Environmental Coordinator	Tom Olson
Onsite Environmental Coordinator	Bruce Reitherman

Emergency Response Procedure:

1. Energy Division Project Manager contacts PM (John Storrer), PM contacts OECs (and if necessary EMs) and deploys them to primary facility sites.
2. If PM is unavailable (by prior notification), Energy Division Project Manager contacts APM (Thomas Olson), who then deploys required EQAP staff.
3. PM or designee coordinates response with Energy Division Team Leaders and arranges staff assignments as necessary.
4. EMs and ESs may be used as backup to OEC position, if necessary.

Four of the proposed SES EQAP team members have provided occasional services to the oil and gas industry in recent years. This could result in circumstances in which they would be unable to participate with specific projects listed in Attachment A of the RFP. For example, technical review could not be performed by individuals who were involved with the original design work for a particular project. In the event that the County perceives a conflict of interest with respect to any individual EQAP team member's participation with a particular project or project component, backup personnel are available as alternates. Full disclosure of all team members' prior involvement with oil and gas projects is included in the Conflict of Interest Statement in the accompanying Hourly Estimate and Rate Proposal. This information is also detailed in the letters of commitment provided by subcontractors (see Appendix B of the accompanying Hourly Estimate and Rate Proposal).

F. Team Capabilities

The SES EQAP team provides an essential level of technical expertise as well as a practical knowledge in implementing environmental mitigation. Team members offer extensive experience in construction monitoring, resource evaluation, and mitigation design. This background includes familiarity with local resource values in addition to a broader, regional perspective established through many years of work in the environmental field. Capabilities of the Environmental Specialists include archaeology, geology (geotechnical evaluation and erosion control), biology (botany, revegetation, marine mammalogy and terrestrial and aquatic zoology), and acoustical analysis.

Firm's Management Background

SES is a sole proprietorship specializing in biological assessment, design and implementation of resource management and conservation plans, and environmental compliance monitoring. The firm is owned and managed by John Storrer. Mr. Storrer has extensive experience in implementing and managing environmental compliance programs and has employed resource professionals in the fields of archaeology, geology, botany, zoology, water quality, and acoustical analysis on many prior occasions. These individuals were retained for large-scale environmental compliance monitoring and resource management/conservation planning projects.

The majority of the EQAP team members will be hired under subcontract arrangements by SES. Subcontractors have stated their willingness to participate with the project in Letters of Commitment (see accompanying Hourly Estimate and Rate Proposal). The subconsultants are established professionals with years of experience contracting on a project-specific basis. Prior working relationships among team members are further assurance that the EQAP can be effectively coordinated with the use of subconsultants.

Storrer Environmental Services - Relevant Experience with Similar Projects

John Storrer's 25 years of experience in the environmental field includes several positions as OEC for large scale construction projects. Mr. Storrer has successfully managed six Environmental Quality Assurance Programs (EQAPs) for the County of Santa Barbara Planning and Development Department. He has managed the County's Integrated EQAP for Oil and Gas Projects since July of 1994. These programs have required management of interdisciplinary teams of resource specialists (e.g. archaeology, geology, biology, water quality, acoustical analysis) and inter-agency coordination at several levels. He has also designed and implemented long-term revegetation and erosion control monitoring plans for pipeline rights-of-way.

Each of the previous EQAP projects required a close working relationship with County Project Managers, County Planners, project engineers, industry representatives, and construction personnel. A practical understanding of construction techniques enhanced the effectiveness of these environmental monitoring programs. The emphasis of the prior EQAPs focused on in-field monitoring, particularly cultural and biological resource issues. The system of documentation and reporting was similar or identical to that proposed for the Integrated EQAP. The ability to maintain flexibility in staffing assignments, assist with resolution of construction/resource conflicts, interpret project conditions, and adapt specific mitigation measures to field conditions was essential to the success of these projects.

Previous projects required frequent interpretation of the project mitigation requirements. EQAP participation often involved resolution of perceived conflicts between the construction effort and environmental protections. The EQAP team assisted County staff with review and approval of project design revisions and in certain cases, Substantial Conformity

Determinations. Examples of these include minor pipeline realignments, identification of extra work space and access routes, and changes in the construction techniques and schedule.

The following project experience exemplifies Mr. Storrer's level of knowledge and experience in the implementation of permit compliance monitoring programs:

- Mr. Storrer has managed the Santa Barbara County Integrated EQAP for Oil and Gas Project since July of 1994. The program has encompassed all aspects of permit compliance monitoring described in the RFP.
- Mr. Storrer has managed the Monitoring and Compliance Program for the Bluffs at Sandpiper Residential Development Project for the City of Goleta since October of 2005. The project has entailed field compliance monitoring, survey, and peer review during all phases of project development.
- From June of 2000 through June of 2002, Mr. Storrer managed the EQAP for the Level (3) Communications Project in Coastal Santa Barbara County. The project involved installation of 70 miles of fiber optic innerduct. Mr. Storrer managed a staff of 30 environmental monitors and specialists in his capacity as Project Manager. In addition to the coordinating staff assignments and performing field compliance monitoring duties, Mr. Storrer provided technical review of documents submitted by the project applicant.
- John Storrer was Project Manager/OEC for a soil remediation project on Ellwood Mesa in west Goleta in the summer of 1997. The Santa Barbara Shores Soil Remediation Project entailed excavation and offsite disposal of several thousand cubic yards of contaminated soil. Other related environmental issues included cultural resources, nesting white-tailed kites, and wetlands protection and restoration.
- From June of 1986 to July of 1994, Mr. Storrer managed the EQAP for the Chevron Point Arguello Project. The project entailed construction of 16 miles of onshore pipelines and an oil and gas treatment plant at Gaviota. The facilities were sited within the Coastal Zone of Santa Barbara County; there were significant biological and cultural resources associated with the project. Mr. Storrer provided oversight monitoring during the initial restoration phases of the project and managed the long-term revegetation and erosion control program under contract to the County.
- Mr. Storrer held the position of Project Manager/OEC for the All American Pipeline Project from 1988 to 1994. He managed the EQAP during construction of the Coastal Pipeline segment (construction of 10 miles of crude oil pipeline and pumping facilities). He was assisted in this effort by a team of Environmental Monitors and Environmental Specialists in the fields of archaeology, geology, and biology. Mr. Storrer provided extensive documentation of permit compliance in addition to his program management and field responsibilities. He was also asked to review supplemental plans for consistency with FDP conditions and evaluate effectiveness of the various mitigation programs.

- John Storrer was Project Manager/OEC during construction of the Unocal Sisquoc Pipeline Project east of Santa Maria. The project involved installation of a 10-mile crude oil pipeline and retrofitting of pumping facilities. Preservation of agricultural resources was among the most important issues associated with this project.
- The Gaviota Interim Marine Terminal Project consisted of a retrofitting of the marine tankering and crude oil storage facility at Gaviota. Mr. Storrer was Project Manager/OEC during the year-long construction phase of the project. Environmental issues included highly sensitive archaeological resources, a population of state-listed endangered plant in the project vicinity, and handling of hydrocarbon-contaminated soils. Excavation and disposition of contaminated soil required coordination among various County agencies, including the Fire Department, Environmental Health Services Department (Protective Services Division of the Fire Department), and Resource Management (Planning and Development) Department.

Specific qualifications that will be useful to the Integrated EQAP Monitoring Program include the following:

- An established working relationship with Santa Barbara County, in particular the Energy Division of P&D.
- Ability to work cooperatively with industry representatives and their contractors toward mutual objectives of permit compliance.
- Specific background with management of EQAPs and environmental review for oil and gas projects in Santa Barbara County.
- Experience with construction techniques required for installation of large diameter pipelines and processing facilities.
- Expertise in site restoration and abandonment.
- An extensive background in inter-agency communication and coordination.
- Communication skills necessary to convey information among a wide range of perspectives held by various project participants.
- An interdisciplinary background needed to coordinate and assimilate data from resource specialists.
- Familiarity of the natural resource attributes of Santa Barbara County.

G. Personnel Qualifications

John Storrer - Project Manager/Onsite Environmental Coordinator

Mr. Storrer holds a Bachelor's Degree in Zoology with specific emphasis in wildlife and terrestrial biology. He has a thorough background in field survey, impact analysis, and mitigation design for environmental assessments in the Santa Barbara Region. His twenty-five years of local experience in the environmental field includes seven positions as Onsite Environmental Coordinator and Project Manager for large-scale construction projects for the County of Santa Barbara. He has managed the County's Integrated EQAP for Oil and Gas Projects for the past 14 years.

In addition to his field experience as an OEC, Mr. Storrer has an extensive background in environmental analysis and mitigation design. He has conducted endangered species investigations, habitat assessments, impact analyses, and mitigation feasibility studies for a variety of proposed development projects. These studies have required all aspects of biological evaluation; including comprehensive field reconnaissance, focused field surveys, and technical report preparation. This involvement has entailed participation with all phases of the process, from initial planning and environmental review, through implementation and long-term mitigation monitoring. The majority of these projects were completed in conformity with the California Environmental Quality Act (CEQA) and/or National Environmental Policy Act (NEPA). Mr. Storrer has participated in more than a hundred projects requiring CEQA and/or NEPA evaluation. These include CEQA documents involving the Ellwood Marine Terminal, Venoco Ellwood Onshore Facility, Point Arguello facilities, Shell (AERA) Hercules Gas Plant, and Vista Del Mar School Relocation Project.

Mr. Storrer currently holds a Technical Services Contract Agreement with the County of Santa Barbara to provide technical assistance to P&D staff. In this capacity, he is frequently asked to review applicant submittals concerning biological resources, restoration, and permit compliance. He has participated with the Permit Condition Effectiveness Studies for three large-scale oil and gas projects (Chevron Point Arguello, All American Pipeline, and Exxon Santa Ynez Unit) for the County's Energy Division. Mr. Storrer's expertise in biological resources, restoration, and permit compliance issues have been a valuable asset to the County of Santa Barbara in reviewing mitigation plans and related documents.

Mr. Storrer's experience with the field aspects of permit compliance monitoring are of particular relevance to the Integrated EQAP Project. In managing ten previous and current compliance monitoring programs, he has demonstrated a unique ability to ensure the primary objectives of resource protection and regulatory oversight while accommodating project development. His communication skills and ability to understand and balance a range of perspectives in the context of large scale compliance monitoring projects are among his greatest assets. His accomplishments in this context have included successful resolution of conflicts among varied interest groups such as industry, regulatory agencies, resource specialists (e.g. archaeologists, biologists, and geologists), Native Americans, and private property owners. He is familiar with the workings of the County government and has coordinated aspects of previous EQAPs with the various departments within Santa Barbara County (e.g. Air Pollution Control District, Protective Services Division of the Fire Department, Parks Administration, Public Works, and Building and Safety Department). Mr. Storrer's projects have required frequent communication and interaction with the state and Federal agencies, in particular the California Department of Fish and Game, California Department of Parks and Recreation, U.S. Fish and Wildlife Service, and U. S. Army Corps of Engineers.

Thomas Olson – Assistant Project Manager/ Onsite Environmental Coordinator

Mr. Olson is a wildlife biologist and project manager with more than 23 years of experience in biological resource surveys, impact assessment, and mitigation planning. His expertise includes planning, conducting and directing biological resources studies, including literature and field surveys for terrestrial fauna and flora. He is also well experienced in preparing CEQA and NEPA documents. Mr. Olson has evaluated the occurrence of, and impacts to, sensitive resources in and near oil and gas facilities in Santa Barbara, San Luis Obispo, Kern, Ventura, Los Angeles, Fresno, and Monterey counties. He has managed projects directly for Santa Barbara, San Luis Obispo and Kern counties and has assisted in managing projects under Santa Barbara County's Environmental Quality Assurance Program (EQAP). Mr. Olson's relevant experience in permit compliance monitoring includes the following projects:

- Onsite Environmental Coordinator for SES for the Santa Barbara County Integrated EQAP for Oil and Gas Projects. Conducted field visits and reported findings to appropriate County planners for the following facilities: Lompoc Oil and Gas Plant, Gaviota Terminal, Venoco Ellwood Onshore Facility, Santa Maria Pump Station, Sisquoc Pump Station, Point Pedernales Project facilities, Point Arguello facilities, and Santa Maria Asphalt Refinery.
- Monitoring and Compliance Program Environmental Monitor for the Bluffs at Sandpiper Residential Project. Conducted field monitoring during construction of project infrastructure and individual home sites for a 62-unit residential development on Ellwood Mesa in Goleta. Responsible for ensuring compliance with Land Use Permit Conditions of approval. Duties included review of project submittals, evaluation of mitigation effectiveness, and reporting to the City of Goleta Planning and Environmental Services Department.
- Onsite Environmental Coordinator for the Santa Barbara County coastal portion of the Level (3) fiber optic line. Work was conducted for SES, the prime contractor to Santa Barbara County. Represented the Santa Barbara County EQAP in ensuring that terms and conditions of permits were followed during construction of the 64-mile portion of the route. Supervised up to 19 monitors daily. Oversaw compliance and made field-level decisions regarding protective measures for wetlands, oak trees, steelhead, tidewater goby, California red-legged frog, southwestern pond turtle, and two-striped garter snake. Reviewed site-specific plans for horizontal directional drilling. Interfaced with representatives of Level (3), Kiewit Pacific Company (contractor), biologists representing Level (3), and county, state, and federal resource agencies.
- Project manager and senior biologist for environmental permitting and monitoring project in Lompoc, California. The project involved the construction of a bike path onto an existing bridge over the Santa Ynez River. Species-specific surveys were conducted for California red-legged frog, southwestern pond turtle, two-striped garter snake, southern steelhead, least Bell's vireo, and southwestern willow flycatcher. Informal consultation was conducted with U.S. Fish and Wildlife Service for the red-legged frog and National Marine Fisheries Service for the steelhead. A wetland delineation was conducted and a

California Department of Fish and Game Section 1601 Streambed Alteration Agreement obtained. In addition, a Mitigated Negative Declaration was prepared. During project construction, Mr. Olson was the lead monitor and conducted pre-construction surveys for steelhead, red-legged frog, least Bell's vireo, and southwestern willow flycatcher.

- Responsible for managing all sensitive species surveys along the Kern River Gas Transmission Company natural gas pipeline route from southwestern Wyoming to San Bernardino County, California. Negotiated onsite and offsite mitigation requirements with California Department of Fish and Game, U.S. Fish and Wildlife Service, Bureau of Land Management, Federal Energy Regulatory Commission, and California State Lands Commission, Utah Department of Wildlife Resources, Wyoming Game and Fish Department, and Nevada Department of Wildlife. Task manager for studies focusing on desert tortoise, black-footed ferrets, raptors, sage grouse, big game, and rare plants. Objectives of the studies included development of information needed for completion of an EIR, as well as for State and Federal Biological Opinions. During pipeline construction, Mr. Olson was responsible for up to 88 biological monitors each day.

Bruce Reitherman – Onsite Environmental Coordinator

Bruce Reitherman has over twenty years experience as a professional photographer, film maker, and field biologist. He has a background in regulatory compliance monitoring, in addition to his vast experience in field biology and the documentary film industry.

Mr. Reitherman currently serves as OEC for the County's Integrated EQAP for Oil and Gas Projects. He is the principal monitor for the Venoco State Lease 421 Facilities and AERA Hercules Abandonment Projects. Mr. Reitherman has also participated in the Gaviota Terminal, Arguello Gaviota, ARCO Alegria Abandonment, and Exxon/Mobil Las Flores Canyon Projects. In this capacity he has performed all of the responsibilities of OEC, including field monitoring, industry liaison, multi-agency coordination, and reporting to the County of Santa Barbara.

Mr. Reitherman's compliance monitoring experience includes the Monitoring and Compliance Program for the Bluffs at Sandpiper Residential Development Project, under contract to SES. In this project, he gained additional experience in the procedures employed in the Integrated EQAP, including monitoring of compliance with permit conditions, preparing daily email summary reports, interagency communication, and recommending corrective actions, as necessary.

Laurence Spanne - Archaeological Specialist

Mr. Spanne has a Master's Degree in Cultural Anthropology from U.C. Santa Barbara (conferred 1971). He recently retired as the Staff Archaeologist in the Environmental Planning Branch at Vandenberg Air Force Base, a position he held for more than 20 years. Mr. Spanne has performed contract archaeology in the Santa Barbara Region for 34 years. During this period, he has held positions as field director, site supervisor, and construction monitor. He has been involved with over 150 such projects. These qualifications include archaeological

survey and test excavations at Las Flores Canyon. Mr. Spanne has considerable experience dealing with local Native American groups and is highly regarded by the archaeological community.

Mr. Spanne served as EQAP Archaeological Specialist for the All American Pipeline and Chevron Point Arguello Projects from 1988-1994 and 1990-1994, respectively. He also held the position of EQAP Archaeological Specialist for the Level (3) Communications Project from June 2000 through June 2002. In this capacity he reviewed cultural resources mitigation plans and final (Phase IV) reports for compliance with the Final Development Plan permit conditions and state and federal standards for such documents. His understanding of regional cultural resource values and extensive knowledge of County, state, and Federal laws and policies are especially useful to the EQAP. Mr. Spanne has served as EQAP Archaeological Specialist for the County's Integrated EQAP for Oil and Gas Projects for the past ten years. He provided technical review of cultural resources mitigation plans for the Point Arguello/Gaviota, All American Pipeline, Unocal Cojo Marine Terminal Abandonment, and Molino Gas Projects.

Perry Russell - Geological Specialist

Perry Russell is a California Registered Geologist (#5777), Certified Engineering Geologist (#1837), and Registered Environmental Assessor (#04929) with over 22 years of experience in geotechnical/environmental consulting. He has evaluated petroleum and water pipeline projects with respect to erosion, soils engineering, and accidental spills. Mr. Russell currently works part-time for Science Applications International Corporation (SAIC), of Santa Barbara, where much of his time is spent on CEQA and NEPA documents, evaluating erosion potential associated with various construction projects. He also works part-time as Russell Consulting, completing geotechnical/environmental site assessment projects. Prior to working at SAIC, he worked for geotechnical and hazardous waste-related environmental consulting companies, contributing to geotechnical investigations and environmental site assessments for several pipeline projects, oil field projects, and other corridor projects. Relevant projects include:

- EQAP Geological Specialist for the 2001 through 2008 annual geological hazards monitoring program of the Point Pedernales Pipeline right-of-way, from Surf to the Orcutt Pump Station.
- EQAP Geological Specialist for a review of a Torch (now PXP) erosion control plan, associated with an erosional gully that formed upslope of Terra Road and the Point Pedernales Pipeline right-of-way, on Vandenberg Air Force Base, in October 2001.
- EQAP Geological Specialist, for a review of a Tosco (now Conoco/Phillips) erosion control plan, associated with excessive erosion in Drainages 26 and 32 of the Point Pedernales Pipeline right-of-way, south of the Orcutt Pump Station, in October 2001.
- Completed the Geologic Resources section of the proposed Tranquillon Ridge CEQA document, for the County of Santa Barbara Energy Division. The impact evaluation

focused on erosional impacts associated with pipeline repair, subsequent to potential pipeline rupture during the lifetime of the project (approximately 15 years).

- Provided site-specific recommendations for implementation of erosion control measures along the Central Coast Water Authority (CCWA) State Water pipeline right-of-way, immediately following the Vandenberg Air Force Base fire of Fall 2000.
- Evaluated potential geologic impacts associated with hillside grading and excavation for a drilling location and associated pipeline route, for a proposed oil and gas exploration project at Molino Canyon, in Gaviota, California.
- Evaluated potential geologic impacts associated with construction of an oil pipeline, extending from the Chevron oil transfer facility in Richmond, California, to the Martinez oil processing facility. The pipeline was an alternative to proposed dredging and soil disposal in the J.F. Baldwin ship channel, located in the east San Francisco Bay area.
- Co-managed a site assessment at the Chevron-Carpinteria oil and gas processing plant, associated with partial abandonment of offshore oil production in the Santa Barbara Channel.
- Co-managed a major soil remediation project associated with abandonment of the Phillips Petroleum gas processing facility in Gaviota, California.
- Managed site assessment/soil remediation activities associated with abandonment of approximately 15 oil wells and 6 tank batteries in an area of proposed development in Ventura County.

Hooshang Khosrovani (Veneklasen Associates)

Hooshang Khosrovani has been involved in the field of environmental noise and acoustical science for close to four decades, including over 20 years with Veneklasen Associates. With an emphasis on industrial applications and community noise impact assessment, he is an expert on plant and equipment noise mitigation, performance of community noise and vibration surveys, noise emission analysis and predictions, and the development of specifications. His client base is diverse and includes utilities, manufacturers, municipalities, educational and cultural institutions, architects, developers, and transportation agencies for rail, highways and airports. Hooshang has taught and conducted research at the university level including such roles at Purdue University and California State University, Los Angeles.

Dr. Khosrovani has served as Acoustical Environmental Specialist for the Oil and Gas EQAP on prior occasion. Specifically, he provided analysis and peer review concerning complaints of nuisance noise at the Exxon/Mobil Las Flores Canyon facility.

Peter Gaede – Environmental Monitor

Peter Gaede is a professional biologist and technical illustrator. Mr. Gaede has a B.S. degree in Biological Science. He studied the ecology of flammulated owls for his Senior Thesis. Since that time, he has continued to gain experience in the implementation of field studies, having conducted surveys for endangered wildlife species including the California tiger salamander and northern spotted owl. Mr. Gaede is highly skilled at avian survey and identification. He worked with SES on a two-year project to determine status of the California tiger salamander in the Santa Rita Valley of Santa Barbara County. Mr. Gaede's tasks on that project included email communication with PM John Storrer at the end of each day of field checks. Because the same-day email reporting was the same system that will be used in this Integrated EQAP, he is familiar with efficient and cost-effective approach already in place.

Juliana Hydanus – Environmental Monitor

Juliana Hydanus has a B.A. in Aquatic Biology. She has conducted surveys for California grunion, under contract to SES.

Ms. Hydanus is an independent contract biologist and environmental compliance monitor. She has been a member of the EQAP team since 2005. She also served as Environmental Monitor for construction of the Level (3) Communications Project in 2001/02, under contract to SES. Ms. Hydanus has also worked under the direction of Thomas Olson conducting surveys and monitoring in the Mojave Desert, as well as monitoring for Gaviota tarplant during the construction of a water pipeline on Vandenberg Air Force Base. She has also served as the primary Environmental Monitor for the Preserve at San Marcos EQAP.

Santa Ynez Band of Mission Indians – Cultural Resource Monitoring

SES has a standing contract with the Elders Council of the Santa Ynez Band to provide Native American monitors on an as-needed basis. The Tribe is federally-recognized and they are on the County's list of Approved Native American Monitors. The monitors are trained in identification of archaeological materials and are experienced in construction monitoring.

APPENDIX A

ANTICIPATED LEVEL OF EFFORT FOR INDIVIDUAL PROJECTS

(July 1, 2008 through June 30, 2013)

All American Pipeline System.....	1
Arco Dos Pueblos Facility and Pipeline Abandonment.....	3
ExxonMobil Las Flores Canyon Oil and Gas Processing Facility and Pipelines	5
POPCO Las Flores Canyon Gas Plant and Pipeline	7
Venoco Ellwood Onshore Facility (EOF).....	9
Venoco Ellwood Marine Terminal (EMT)	11
Venoco State Lease 421	13
AERA Hercules Gas Plant Abandonment	15
Arco Alegria Facility and Flowlines Abandonment	17
Arguello Inc. (Point Arguello Unit) GOHM and Pipelines	19
Arguello Inc. /Chevron Gaviota Partial Abandonment.....	21
Gaviota Terminal Abandonment.....	23
Molino Gas Project Abandonment.....	25
Texaco Hollister Ranch Pipelines Abandonment	26
Aera Guadalupe Abandonment.....	28
PXP Point Pedernales Pipeline and Lompoc Oil & Gas Plant.....	30
ConocoPhillips Point Pedernales Pipeline and Orcutt Pump Station	32
ConocoPhillips Sisquoc Pipeline and Santa Maria Pump Station	34
PXP Battles Six-inch Gas Line Abandonment	36
Battles Gas Plant Abandonment	38
Unocal Cojo Marine Terminal and Point Conception Facilities Abandonment	40
PXP Tranquillon Ridge Oil and Gas Drilling and Processing.....	41
American Ethanol, Inc.	43
Lompoc Wind Energy Project	46

ALL AMERICAN PIPELINE SYSTEM (JULY 1, 2008 - JUNE 30, 2013)**Task 1: Field Monitoring of Construction and Abandonment Projects****Erosion Repair and Pipeline Maintenance**

Site visits for erosion repair projects or minor excavation for pipeline (e.g. anomaly) inspection. Assume four site visits per year, four hours per site visit. Subtotal = 80 hours.

Task 2: Revegetation Monitoring**Compliance Review of Revegetation Program**

Various aspects of AAPL's pipeline revegetation program are still in progress. Individual program components that might be required over the next five years include evaluation of shrub restoration, inland riparian crossings, Gaviota Creek Pipeline Relocation restoration, and revegetation of anomaly excavation sites. Sixteen hours annually are allocated for field assessment and potential review of submittals. Subtotal = 80 hours.

Reports and Memoranda

Annual reports on status of revegetation program, eight hours each. Subtotal = 40 hours.

Task 3: Special Mitigation

Eight hours annually are budgeted for miscellaneous review of permit application submittals agency coordination (e.g. CDPR), and sensitive species management. Subtotal = 40 hours.

Task 5: Facilities Inspections

Assume four inspections per year of pump station and pipeline facilities over the five-year contract period, two hours per inspection (inspections of pump stations will be done concurrent with visits to Exxon/Mobil LFC and Conoco/Phillips facilities). Subtotal = 40 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume 16 hours per year. Subtotal = 80 hours.

Task 7: CEQA Review

No hours are anticipated for Task 7.

ALL AMERICAN PIPELINE SYSTEM (JULY 1, 2008 - JUNE 30, 2013)

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	60	120	40	30	60		310
OEC	20			10	20		50
Total	80	120	40	40	80		360

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

[Assumes 25 % participation for OEC for Tasks 1, 5, & 6]

Estimated Direct Costs

* Mileage: 50 site visits x 100 miles/visit @ \$.505/mile \$2,525.00

Subtotal Direct Costs \$2,525.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

ARCO Dos Pueblos Facility and Pipeline Abandonment Project
(July 1, 2008 – June 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

Dos Pueblos Abandonment – Phase 1(b) Soil Remediation

Assume two site visits to complete remaining work relative to Phase 1(b), four hours per site visit. Subtotal = 8 hours.

Dos Pueblos Abandonment – Phase 1(c) Offsite Pipelines Removal

Assume four-week period for abandonment of offsite pipelines, three site visits per week, four hours per site visit. Subtotal = 48 hours.

Task 2: Revegetation and Erosion Control Monitoring

Annual Revegetation Assessment

Bi-annual assessments of revegetation progress for pipeline removal and soil remediation, two hours per site visit for five years. Subtotal = 20 hours.

Reports and Memoranda

Ten hours for status reports/written memoranda (one hour per site assessment). Subtotal = 10 hours.

Task 3: Special Mitigation

Eight hours are budgeted for review of project submittals. Subtotal = 8 hours.

Task 5: Facilities Inspections

No hours are budgeted for Task 5.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, and briefings for Energy Division Staff. Subtotal = 16 hours.

Task 7: CEQA/Compliance Plan Review

No hours are budgeted for Task 7.

ARCO Dos Pueblos Facility and Pipeline Abandonment Project
(July 1, 2008 – June 30, 2013)

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	56	30	8		16		110
OEC							
Total	56	30	8		16		110

Project Manager/Onsite Environmental Coordinator (OEC)

Estimated Direct Costs

* Mileage: 24 site visits x 25 miles/visit @ \$.505 \$303.00

Subtotal Direct Costs \$303.00

**EXXON/MOBIL LAS FLORES CANYON OIL AND GAS PROCESSING FACILITY AND PIPELINES
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Miscellaneous Maintenance Projects and Storm Repairs

Assume two site visits annually over the five-year contract period for repair of 11P Well Site Road, surface drainage (V-ditch) system, tree removal, and miscellaneous erosion or flood control issues, four hours per site visit. Subtotal = 40 hours.

Water Well 11P2 Construction

Assume one-month period for mobilization, road maintenance, drilling, and demobilization. Two site inspections per week, four hours per site inspection. Subtotal = 40 hours.

Hondo Water Re-injection Project

Assume three months of construction for onshore pipeline installation. Field representation will range from periods of full-time monitoring during vegetation clearing, trenching, and site restoration to periodic inspections during pipe welding and other mechanical work. Assume average of three inspections per week, four hours per site visit. Subtotal = 144 hours.

Task 2: Revegetation and Erosion Control Monitoring

Field Assessments

Progress assessments for outstanding components of the revegetation program (e.g. native bunchgrass, willow plantings) will be done concurrent with monthly facility inspections.

Reports and Memoranda

Annual reports documenting progress with outstanding aspects of the revegetation program, 10 hours (two hours per report). Subtotal = 10 hours.

Task 3: Special Mitigation

Review of Permitting Materials, Sensitive Species Management, Landowner Liaison

Assume eight hours annually for review and coordination of issues such as vegetation (fuel) management, sensitive species management, review of Bi-annual Biological Survey, and response to noise complaints. Subtotal = 40 hours.

Assume 40 hours of participation by the EQAP Acoustical Environmental Specialist. Subtotal = 40 hours.

Task 5: Facilities Inspections

Assume monthly site visits for the five-year contract period, three hours per site visit. Subtotal = 180 hours.

**EXXON/MOBIL LAS FLORES CANYON OIL AND GAS PROCESSING FACILITY AND PIPELINES
(JULY 1, 2008 - JUNE 30, 2013)**

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume 12 hours annually. Subtotal = 60 hours.

Task 7: CEQA Review

No effort is anticipated for Task 7.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	112	10	40	135	45		342
OEC	112			45	15		172
AES			40				40
Total	224	10	80	180	60		554

Project Manager/Onsite Environmental Coordinator (OEC)

Onsite Environmental Coordinator (OEC)

Acoustics Specialist (AES)

[Assumes 50% participation by OEC for Task 1, 25% for Tasks 5, & 6].

Estimated Direct Costs

* Mileage: 114 site visits x 45 miles/visit @ \$.505 \$2,590.65

Subtotal Direct Costs \$2,590.65

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

POPCO LAS FLORES CANYON GAS PLANT AND PIPELINE (JULY 1, 2008 - JUNE 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

No hours are budgeted for Task 1.

Task 2: Revegetation and Erosion Control Monitoring

No effort is anticipated for Task 2.

Task 3: Special Mitigation

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

Assume monthly site inspections, one hour per site visit. These will be done in conjunction with the inspections of the Exxon/Mobil LFC Facility. Subtotal = 60 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Four hours annually. Subtotal = 20 hours.

Task 7: CEQA Review

No effort is anticipated for Task 7.

Anticipated Level of Effort for Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC				45	15		60
OEC				15	5		20
Total				60	20		80

Project Manager/Onsite Environmental Coordinator (OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 25% participation by OEC for Tasks 5 & 6].

**VENOCO ELLWOOD ONSHORE OIL AND GAS FACILITY (EOF)
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Miscellaneous Repair and Maintenance Projects

Assume two inspections per year for miscellaneous construction activity (e.g. safety improvements, equipment repair and upgrade) at the EOF. Two hours per site visit. Subtotal = 20 hours.

Task 2: Revegetation Monitoring

No revegetation projects are currently in progress.

Task 3: Special Mitigation

Two hours annually are budgeted for miscellaneous review of project submittals. Subtotal = 10 hours.

Task 5: Facilities Inspections

Monthly site visits, 1.5 hours per inspection (inspections will be performed concurrent with those of the EMT facility). Subtotal = 90 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Eight hours per year. Subtotal = 40 hours.

Task 7: CEQA/Compliance Plan Review

No hours are budgeted for Task 7.

Anticipated Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
OEC/PM	15		10	68	30		123
OEC	5			22	10		37
Total	20		10	90	40		160

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)
[Assumes 25% participation by OEC for Task 1 & 6].

VENOCO ELLWOOD ONSHORE OIL AND GAS FACILITY (EOF)
(JULY 1, 2008 - JUNE 30, 2013)

Estimated Direct Costs

* Mileage: 70 site visits x 20 miles/visit @ \$.505	<u>\$707.00</u>
Subtotal Direct Costs	\$707.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**VENOCO ELLWOOD MARINE TERMINAL (EMT)
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Miscellaneous Repair and Maintenance Projects

Assume four site visits per year for miscellaneous construction activity at the EMT (e.g. vegetation management, oil storage tank maintenance/repair, shipping line maintenance), two hours each. Subtotal = 40 hours.

Task 2: Revegetation Monitoring

No revegetation projects are currently in progress.

Task 3: Special Mitigation

Two hours annually are budgeted for miscellaneous review of project submittals. Subtotal = 10 hours.

Task 5: Facilities Inspections

Monthly site visits, 1.5 hours per inspection (inspections will be performed concurrent with those of the EOF facility). Subtotal = 90 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Eight hours per year. Subtotal = 40 hours.

Task 7: CEQA/Compliance Plan Review

No hours are budgeted under Task 7.

Anticipated Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
OEC/PM	30		10	68	30		138
OEC	10			22	10		42
Total	40		10	90	40		180

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)
[Assumes 25% participation by OEC for Tasks 5 & 6].

VENOCO ELLWOOD MARINE TERMINAL (EMT)
(JULY 1, 2008 - JUNE 30, 2013)

Estimated Direct Costs

* Mileage: 80 site visits x 20 miles/visit @ \$.505	<u>\$808.00</u>
Subtotal Direct Costs	\$808.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**VENOCO STATE LEASE 421
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

State Lease 421 Re-commissioning Project

Assume four site inspections per year for maintenance, repair, or stabilization of facilities; four hours per site inspection. Subtotal = 80 hours.

Task 2: Revegetation Monitoring

Revegetation monitoring of the SL 421 Wetlands Mitigation Project will be done concurrent with monthly inspections of the Ellwood Onshore Facility (budgeted as a separate project).

Task 3: Special Mitigation

Sixteen hours are budgeted for the five-year term of the contract for review of plans and submittals relative to repair and maintenance of the facilities. Subtotal = 16 hours.

Task 5: Facilities Inspections

The SL 421 facilities will be inspected monthly, concurrent with visits to the EOF.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume four hours per year. Subtotal = 20 hours.

Task 7: CEQA/Compliance Plan Review

Sixteen hours are budgeted for Task 7 for CEQA review of the SL 421 Re-commissioning Project. Subtotal = 16 hours.

Anticipated Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
OEC/PM	40		16		10	16	82
OEC	40				10		50
Total	80		16		20	16	132

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

[Assumes 50% participation by OEC for Tasks 1 & 6].

VENOCO STATE LEASE 421
(JULY 1, 2008 - JUNE 30, 2013)

Estimated Direct Costs

* Mileage: 20 site visits x 20 miles/visit @ \$.505	<u>\$202.00</u>
Subtotal Direct Costs	\$202.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**AERA HERCULES GAS PLANT ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Monitoring of Site Assessment and Remediation, Drainage Improvement, and Erosion Repairs

Assume bi-monthly inspections, averaged over the five-year contract period. This might entail periods of sustained field activity for remediation and drainage or erosion repairs. It would also include periodic inspections during site assessment and sampling activity. It does not include a major remediation/restoration effort as would be required to fully remediate the creek channel. Three hours per site visit. Subtotal = 360 hours.

Task 2: Revegetation Monitoring

No hours are budgeted for Task 2. There is currently no site restoration in progress.

Task 3: Special Mitigation

Sixteen hours are budgeted for review of project submittals related to site remediation or restoration. Subtotal = 16 hours.

Task 5: Facilities Inspections

Regular inspections of the Aera Hercules site will be performed under Task 1.

Task 6: Reporting

This task includes project management, review of correspondence, status reports, communications, and briefings for Energy Division staff. Twelve hours annually. Subtotal = 60 hours.

Task 7: CEQA/Compliance Plan Review

No hours are budgeted for Task 7.

Tentative Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	180		16		30		226
OEC	180				30		210
Total	360		16		60		436

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

[Assumes 50% participation by OEC for Tasks 1, 5, & 6].

**EQAP SCOPE OF WORK – AERA HERCULES GAS PLANT ABANDONMENT PROJECT
(JULY 1, 2008 - JUNE 30, 2013)**

Estimated Direct Costs

* Mileage: 180 site visits x 60 miles/visit @ \$.505 \$5,454.00

Subtotal Direct Costs \$5,454.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**ARCO ALEGRIA FACILITY AND FLOWLINES ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

The decommissioning and remediation phases of the project are complete. No hours are budgeted under Task 1.

Task 2: Revegetation Monitoring

Assessments of Revegetation Progress

Four site assessments per year to assess progress with restoration and revegetation, one hour per inspection. Assessments will be done concurrent with inspections of the Arguello Gaviota Oil Heating and Metering facility or Gaviota Terminal. Subtotal = 20 hours.

Reports/Memoranda

Annual summaries of restoration progress, two hours per report. Subtotal = 10 hours.

Task 3: Special Mitigation

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

Task 5 is not applicable to the ARCO Alegria Flowlines Abandonment Project.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume two hours per year. Subtotal = 10 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

**ARCO ALEGRIA FACILITY AND FLOWLINES ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Tentative Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC		30			10		40
OEC							
Total		30			10		40

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

[Assumes 25% participation by OEC for Tasks 1 & 6]

Estimated Direct Costs

* Mileage: 20 site visits x 30 miles/visit @ \$.505 \$303.00

Subtotal Direct Costs \$303.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**ARGUELLO, INC. / (POINT ARGUELLO UNIT) GOHM AND PIPELINES
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Right-of-Way Maintenance and Erosion Repairs

Assume four site visits per year for erosion repair and maintenance (e.g. anomaly excavations), four hours per site visit. Subtotal = 80 hours.

Monitoring of Drainage and Erosion Repairs at the Gaviota Plant

Assume four site visits per year for culvert maintenance, tree removal and maintenance, erosion or streambank repairs, or modifications to facility. Two hours per site visit. Subtotal = 40 hours.

Task 2: Revegetation Monitoring

Eight hours per year are budgeted for restoration monitoring and reporting for pipeline anomaly sites and erosion repairs. Subtotal = 40 hours.

Task 3: Special Mitigation

Four hours per year for review of project submittals such as Annual Operations EQAP Report, water quality monitoring results, and erosion repair plans. Subtotal = 20 hours.

Task 5: Facilities Inspections

Monthly site visits to the Gaviota facility, two hours per inspection. Subtotal = 120 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Twelve hours annually. Subtotal = 60 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

**ARGUELLO, INC. / (POINT ARGUELLO UNIT) GOHM AND PIPELINES
(JULY 1, 2008 - JUNE 30, 2013)**

Tentative Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	80	40	20	80	45		265
OEC	40			40	15		95
Total	120	40	20	120	60		360

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

[Assumes 25% participation by OEC for Tasks 1, 5, & 6]

Estimated Direct Costs

Mileage: 80 site visits x 80 miles/visit @ \$.505 \$3,232.00

Subtotal Direct Costs \$3,232.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**ARGUELLO, INC. /CHEVRON GAVIOTA PARTIAL ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Excess Equipment Removal at the Gaviota Plant

Assume six inspections at Gaviota facility for removal of remaining equipment, three hours per inspection. Subtotal = 18 hours.

Task 2: Revegetation Monitoring

There is no revegetation component to the Gaviota decommissioning project.

Task 3: Special Mitigation.

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

Task 5 is not applicable to the project.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume twelve hours for the remainder of the project. Subtotal = 12 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Tentative Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	18				12		30
Total	18				12		30

Project Manager/Onsite Environmental Coordinator (PM/OEC)

**ARGUELLO, INC. /CHEVRON GAVIOTA PARTIAL ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Estimated Direct Costs

* Mileage: 6 site visits x 60 miles/visit @ \$.505	\$181.80
Subtotal Direct Costs	\$181.80

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**GAVIOTA TERMINAL ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Decommissioning – Phase 1

Assume weekly inspections during site assessment and removal of above-ground equipment over a four-month period. Four hours per site visit. Subtotal = 64 hours.

Decommissioning – Phase 2

Scoping and budgeting for Phase 2 would be better accomplished once the plan for remediation and restoration has been developed.

Task 2: Revegetation Monitoring

Revegetation monitoring once the site restoration plan has been developed.

Task 3: Special Mitigation

Sixteen hours are budgeted for review of miscellaneous submittals relating to site abandonment and restoration. Subtotal = 16 hours.

Task 5: Facilities Inspections

No hours are budgeted for Task 5.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume four hours per month during Phase 1 Abandonment. Subtotal = 16 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	32		16		12		60
OEC	32				4		36
Total	64		16		16		96

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

[Assumes 50% participation by OEC for Task 1, 25% for Task 6]

GAVIOTA TERMINAL ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)

Estimated Direct Costs

* Mileage: 16 site visits x 60 miles/visit @ \$.505 \$484.80

Subtotal Direct Costs \$484.80

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**MOLINO GAS PROJECT ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

No hours are budgeted for field monitoring.

Task 2: Revegetation Monitoring

Assume annual evaluation of revegetation/restoration progress (field survey, report preparation). Four hours for site visit and report preparation. Subtotal = 20 hours.

Task 3: Special Mitigation

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

No hours are budgeted for Task 5.

Task 6: Reporting

This task includes project management, scheduling, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Two hours per year. Subtotal = 10 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC		20			10		30
Total		20			10		30

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Estimated Direct Costs

* Mileage: 5 site visits x 60 miles/visit @ \$.505	\$151.50
Subtotal Direct Costs	\$151.50

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**TEXACO HOLLISTER RANCH PIPELINE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Hollister Ranch Pipelines Abandonment

There is one remaining (outstanding) work site that has not been effectively restored. One site visits (four hours in duration) is allocated for monitoring implementation of remedial measures.

Task 2: Revegetation Monitoring

Assessments of Revegetation Progress

Annual inspection of remaining work location for two consecutive years to assess restoration, four hours each. Subtotal = 8 hours.

Reports/Memoranda

Memorandum describing status of restoration and recommended remedial actions (if necessary), two hours each. Subtotal = 4 hours.

Task 3: Special Mitigation

No hours are budgeted under Task 3.

Task 5: Facilities Inspections

Task 5 is not applicable to Texaco Hollister Ranch Pipelines Abandonment Project.

Task 6: Reporting

This task includes project management, scheduling, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Four hours per year for two years. Subtotal = 8 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

**TEXACO HOLLISTER RANCH PIPELINE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Tentative Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC		12			8		20
Total		12			8		20

Project Manager/Onsite Environmental Coordinator (OEC)

Estimated Direct Costs

* Mileage: 2 site visits x 80 miles/visits @ \$.505 \$80.80

Subtotal Direct Costs \$80.80

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**AERA GUADALUPE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Four site inspections during gravel removal, site re-contouring, and initial restoration treatments, eight hours per inspection. Subtotal = 32 hours.

Task 2: Revegetation Monitoring

Annual site inspections to assess revegetation progress, five hours per inspection. Subtotal = 25 hours.

Written reports following each assessment describing compliance status, including any necessary remedial action. Assume four hours per report. Subtotal = 20 hours.

Task 3: Special Mitigation

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

Task 5 is not applicable to the AERA Guadalupe Abandonment Project.

Task 6: Reporting

This task includes project management, scheduling, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Two hours per year. Subtotal = 10 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	16	23			5		44
OEC	16	22			5		43
Total	32	45			10		87

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 50% participation by OEC for Tasks 1, 2, and 6]

AERA GUADALUPE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)

Estimated Direct Costs

* Mileage: 9 site visits x 100 miles/visit @ \$.505 \$454.50

Subtotal Direct Costs \$454.50

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

PXP POINT PEDERNALES PIPELINE AND LOMPOC OIL & GAS PLANT
(July 1, 2008 - June 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

Erosion Repair and Maintenance - Pipeline ROW and Lompoc Oil and Gas Plant (LOGP)

Assume four field monitoring visits per year to the LOGP and/or pipeline ROW for erosion repairs, pipeline excavations, and other maintenance activity over the five-year period, four hours per site visit. Subtotal = 80 hours.

Task 2: Revegetation Monitoring

Oversight Monitoring of Revegetation and Facility Landscape Programs

Estimate four site visits (progress evaluations) annually for Modified Tree Replacement Program, LOGP Landscape Program, Black-flowered Figwort Mitigation Program, and Terra Road Abandonment/Restoration Program (includes coordination with Nuevo compliance/restoration personnel, inspection of tree plantings and maintenance techniques); five hours per inspection. Subtotal = 100 hours.

Review of Progress Reports, Plans, and Memoranda

Assume eight hours annually for attendance at meetings or review of progress reports and other submittals related to restoration. Subtotal = 40 hours.

Annual EQAP Revegetation Progress Report

The annual EQAP progress report will include an evaluation of pipeline revegetation (tree replacement), black-flowered figwort mitigation, and facility landscaping. Annual report, 24 hours (includes field evaluation and report preparation). Subtotal = 120 hours.

Task 3: Special Mitigation

Eighty-eight hours are budgeted for each Annual Geohazards Investigation field survey and report preparation. Subtotal = 440 hours.

Eight hours are budgeted annually for the Geological Specialist for review of erosion control, drainage, or soil stabilization plans. Subtotal = 40 hours.

Eight hours per year are budgeted for the PM/OEC for evaluation of specific mitigation plan submittals and/or FDP conditions (e.g. C-1, D-2, H-2, and H-16). Subtotal = 40 hours.

Task 5: Facilities Inspections

Monthly site visits to LOGP, two hours per inspection. Subtotal = 120 hours.

**PXP POINT PEDERNALES PIPELINE AND LOMPOC OIL & GAS PLANT
(July 1, 2008 - June 30, 2013)**

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Sixteen hours per year. Subtotal = 80 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort for Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	20	260	40	30	40		390
OEC	60			90	40		190
GEO ES			480				480
Total	80	260	520	120	80		1,060

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 Geological Specialist (GEO ES)
 [Assumes 75% participation for OEC for Tasks 1, & 5, 50% for Task 6]

Estimated Direct Costs

* Mileage: 102 site visits x 100 miles/visit @ \$.505 \$5,151.00

Subtotal Direct Costs \$5,151.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

CONOCO/PHILLIPS POINT PEDERNALES PIPELINE AND ORCUTT PUMP STATION
(July 1, 2008 - June 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

Miscellaneous Erosion Repair and Maintenance on Pipeline ROW

Assume two visits to pipeline ROW annually to monitor pipeline maintenance and erosion repairs, four hours per site visit. Subtotal = 40 hours.

Task 2: Revegetation Monitoring

Oversight Monitoring for Implementation of Modified Tree Replacement Program

Assume two field assessments of Tree Replacement Program annually (includes coordination with CONOCO/Phillips compliance/restoration personnel, inspection of tree plantings and maintenance techniques, assessment of compliance status), four hours per inspection. Subtotal = 40 hours.

Oversight Monitoring of Landscape and Restoration Projects

Oversight of Orcutt Pump Station landscaping program will be done concurrent with facility inspections budgeted under Task 5. Revegetation of Drainage 26 and 32 repair sites will also be done concurrent with inspections budgeted under Task 5.

Review of Progress Reports, Plans, and Memoranda

Assume eight hours annually for review of progress reports and other submittals related to restoration (includes review of Annual Progress Reports submitted by CONOCO/Phillips). Subtotal = 40 hours.

Task 3: Special Mitigation

Seventy hours are budgeted for each Annual Geohazards Investigation field survey and report preparation. Subtotal = 350 hours.

Eight hours annually for Geological Specialist for review of miscellaneous project submittals. Subtotal = 40 hours.

Eight hours annually for PM/OEC for review of miscellaneous project submittals. Subtotal = 40 hours.

Task 5: Facilities Inspections

Six site visits annually to Orcutt Pump Station over the five-year period, two hours per inspection. Subtotal = 60 hours.

**CONOCO/PHILLIPS POINT PEDERNALES PIPELINE AND ORCUTT PUMP STATION
(July 1, 2008 - June 30, 2013)**

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Eight hours per year. Subtotal = 40 hours.

Task 7: CEQA Review

No work anticipated for this task.

Anticipated Level of Effort for Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	10	80	40	15	20		165
OEC	30			45	20		95
GEO ES			390				390
Total	40	80	430	60	40		650

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 Geological Specialist (GEO ES)
 [Assume 75% participation for OEC for Tasks 1, 5, & 6.]

Estimated Direct Costs

* Mileage: 60 site visits x 100 miles/visits @ \$.505 \$3,030.00

Subtotal Direct Costs \$3,030.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**ConocoPhillips Sisquoc Pipeline and Santa Maria Pump Station
(July 1, 2008 - June 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Four hours annually are budgeted for miscellaneous pipeline repair and maintenance activities (two site visits, two hours per site visit). Subtotal = 20 hours.

Task 2: Revegetation Monitoring

Oversight Monitoring of Restoration Projects

Assessments of revegetation progress at Drainage 26 will be done concurrent with Task 5 (Facilities Inspections). Monitoring of landscape installation at SMPS will be done concurrent with Task 5, if it occurs during the five-year contract term.

Task 3: Special Mitigation

No hours have been budgeted for Task 3.

Task 5: Facilities Inspections

Six annual site visits to Santa Maria Pump Station and/or Sisquoc Pump Station, two hours per inspection. Subtotal = 60 hours.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume eight hours per year. Subtotal = 40 hours.

Task 7: CEQA Review

No work anticipated for this task.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	5			15	10		30
OEC	15			45	30		90
Total	20			60	40		120

Project Manager/Onsite Environmental Coordinator (OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 75% participation for OEC for Tasks 1, 5 & 6].

ConocoPhillips Sisquoc Pipeline and Santa Maria Pump Station
(July 1, 2008 - June 30, 2013)

Estimated Direct Costs

* Mileage: 40 site visits x 25 miles/visit @ \$.505	<u>\$505.00</u>
Subtotal Direct Costs	\$505.00

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**PXP BATTLES SIX-INCH GAS LINE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

The decommissioning and initial restoration phases of the project are complete.

Task 2: Revegetation Monitoring

Two field evaluations per year, two hours per site visit for three years (project is expected to reach full satisfaction of performance criteria in three years. Subtotal = 12 hours.

Memoranda describing status of site restoration following each site visit, one hour per report. Subtotal = 6 hours.

Task 3: Special Mitigation

No work is anticipated relative to Task 3.

Task 5: Facilities Inspections

Task 5 does not apply to the gas pipeline abandonment project.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume two hours per year. Subtotal = 6 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC					3		3
OEC		12			3		15
Total		12			6		18

Project Manager/Onsite Environmental Coordinator (OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 100% participation for OEC for Tasks 1; 50% for 6].

**PXP BATTLES SIX-INCH GAS LINE ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2008)**

Estimated Direct Costs

* Mileage: 6 site visits x 20 miles/visit @ \$.505/mile	<u>\$60.60</u>
Subtotal Direct Costs	<u>\$60.60</u>

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

BATTLES GAS PLANT ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

Field Monitoring During Phase 2 Decommissioning

Assume eight weeks of decommissioning activity (e.g. removal of sub-grade foundations and utilities, soil remediation) during the five-year term of the contract, one site inspection per week on average, four hours per site visit. Subtotal = 32 hours.

Task 2: Revegetation Monitoring

Bi-annual surveys of revegetation progress, two hours per survey. Subtotal = 20 hours.

Memoranda following each inspection with recommendations for remedial action (as necessary), one hour per inspection. Subtotal = 10 hours.

Annual revegetation progress report, four hours per report. Subtotal = 20 hours.

Task 3: Special Mitigation

Eight hours are budgeted for review of miscellaneous submittals. Subtotal = 8 hours.

Task 5: Facilities Inspections

Task 5 does not apply to the Battles Gas Plant Abandonment Project.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Four hours annually. Subtotal = 40 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

**BATTLES GAS PLANT ABANDONMENT
(JULY 1, 2008 - JUNE 30, 2013)**

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	8	10	8		20		46
OEC	24	40			20		84
Total	32	50	8		40		130

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 75% participation by OEC for Task 1, 50% for Task 6]

Estimated Direct Costs

* Mileage: 18 site visits x 60 miles/visit @ \$.505/mile \$545.40

Subtotal Direct Costs \$545.40

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

**Unocal Cojo Marine Terminal and Point Conception Facilities Abandonment
(JULY 1, 2008 - JUNE 30, 2013)**

Task 1: Field Monitoring of Construction and Abandonment Projects

Decommissioning, site remediation, and initial restoration have been completed.

Task 2: Revegetation Monitoring

Bi-annual surveys of revegetation progress for the Government Point Facilities Site and Percos Beach site, eight hours per survey. Subtotal = 80 hours.

Review of annual revegetation progress report, 4 hours per report. Subtotal = 10 hours.

Task 3: Special Mitigation

No hours are budgeted for Task 3.

Task 5: Facilities Inspections

Task 5 does not apply to the Unocal Cojo Marine Terminal Abandonment Project.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume four hours per year. Subtotal = 20 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC		90			20		110
Total		90			20		110

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Estimated Direct Costs

* Mileage: 10 site visits x 130 miles/visit @ \$.505/mile	\$656.50
Subtotal Direct Costs	\$656.50

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

PXP Tranquillon Ridge Oil and Gas Drilling and Processing
(JULY 1, 2008 - JUNE 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

Assume ten weeks for modifications to onshore facilities (e.g. possible installation of booster pumps at Valve Site 2), installation of power poles, and transformer station. Assume weekly inspections by the OEC during onshore construction: four hours per inspection. Subtotal = 40 hours.

Equipment upgrades at the LOGP will be monitored concurrent with monthly EQAP inspections budgeted under the PXP Point Pedernales Project (no additional cost).

Task 2: Revegetation Monitoring

Revegetation and erosion control monitoring will be done concurrent with periodic site inspections for the PXP Point Pedernales Project (no additional cost).

Annual reports documenting progress with site restoration, two hours per report. Subtotal = 10 hours.

Task 3: Special Mitigation

Review of Permitting Materials and Mitigation Plans Submitted by the Applicant

Assume eight hours for pre-project review and coordination of issues such as rare plant protection and sensitive species management. Subtotal = 8 hours.

Task 5: Facilities Inspections

No hours are budgeted for Task 5.

Task 6: Reporting

This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy Division staff. Assume four hours per month during construction, two hours annually. Subtotal = 20 hours.

Task 7: CEQA Review

No hours are budgeted for Task 7.

**PXP Tranquillon Ridge Oil and Gas Drilling and Processing
(JULY 1, 2008 - JUNE 30, 2013)**

Anticipated Level of Effort (Hours) for the Five-year Period

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	10	10	8		10		38
OEC	30				10		40
Total	40	10			20		78

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 [Assumes 75% participation by OEC for Task 1, 50% for Task 6]

Estimated Direct Costs

* Mileage: 15 site visits x 60 miles/visit @ \$.505/mile \$454.50

Subtotal Direct Costs \$454.50

* Mileage estimates are based on distance from Santa Barbara to job or facility site. Actual cost will be reduced by combining site visits for multiple projects. Mileage reimbursement to be charged at rate allowed by County (expected to increase annually).

American Ethanol, Inc.
(JULY 1, 2008 - JUNE 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

The following assumptions are made with regard to the construction phase of the American Ethanol Project:

- A 12-month construction effort with phased EQAP monitoring corresponding to the level and sensitivity of construction activity.
- Four months of construction for initial site preparation (clearing, grading, over-excavation, soil compaction, and road construction).
- Two months of construction for installation of process water pipeline from Laguna Sanitation District (approximately 2.5 miles in length).
- Construction days 10 hours in length.
- Full-time field representation by Environmental Monitor for a six-month period during initial site preparation, grading, and water pipeline installation (twelve hours per day, including travel).
- Weekly inspections by the Onsite Environmental Coordinator (five hours per inspection, including travel) during initial site preparation, grading, and water pipeline installation (twelve hours per day, including travel).
- Weekly inspections by the OEC during remaining six months of construction (four hours per inspection).

Subtotal = 288 hours for Environmental Monitor; 120 hours for Onsite Environmental Coordinator.

Task 2: Revegetation Monitoring

Revegetation and erosion control monitoring for the ethanol plant and water pipeline would be done concurrent with monthly facility inspections (Task 5).

Annual report on revegetation and erosion control status. Four hours per report. Subtotal = 20 hours.

Task 3: Special Mitigation

Review of Permitting Materials and Mitigation Plans Submitted by the Applicant

Assume 24 hours for review and coordination of issues such as sensitive species management (California tiger salamander, western spadefoot, and La Graciosa thistle). Subtotal = 24 hours.

Lompoc Wind Energy Project
(JULY 1, 2008 - JUNE 30, 2013)

Task 1: Field Monitoring of Construction and Abandonment Projects

The following assumptions are made with regard to the construction phase of the Lompoc Wind Energy Project:

- Six months for access road improvements, grading, and construction of facilities.
- Twenty-two construction days per month.
- Construction days 10 hours in length.
- Full-time field representation by Environmental Monitor (twelve hours per day, including travel).
- Weekly inspections by the Onsite Environmental Coordinator (five hours per inspection, including travel).

Subtotal = 1,584 hours for the EM; 120 hours for the OEC.

Task 2: Revegetation Monitoring

Assume four site inspections annually following construction to monitor restoration and erosion control. Eight hours per inspection. Subtotal = 160 hours.

Memoranda with observations and recommendations for remedial action (as necessary) following each site inspection, two hours per inspection. Subtotal = 40 hours.

Annual reports documenting progress with site restoration, twelve hours per report. Subtotal = 60 hours.

Task 3: Special Mitigation

Review of Permitting Materials and Mitigation Plans Submitted by the Applicant

Assume 40 hours for the OEC for review and coordination of issues such as vegetation (fuel) management, sensitive species management, and acoustical analysis. This includes review and coordination with avian and bat surveys that will presumably be performed by project proponent's consultants. Subtotal = 40 hours.

Assume 40 hours for the Acoustical Environmental Specialist to for analysis of nuisance noise issues. Subtotal = 40 hours.

Task 5: Facilities Inspections

No hours are budgeted for Task 5.

APPENDIX B
RESUMES AND REFERENCES

Gaede, Peter (Environmental Monitor)

Hydanus, Juliana (Environmental Monitor)

Olson, Thomas (Assistant Project Manager/Onsite Environmental Coordinator)

Reitherman, Bruce (Onsite Environmental Coordinator)

Russell, Perry (Geological Specialist)

Spanne, Laurence (Archaeological Specialist)

Storrer, John (Project Manager/Onsite Environmental Coordinator)

Veneklasen and Associates (Acoustical Specialist)

RESUME

Peter Gaede

918 Fellowship Rd. Santa Barbara, CA 93109

pgaede@earthlink.net

Education

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

- Graduate Certificate in Scientific Illustration, 2000.
- Teaching Assistant, Zoological Illustration.
- Internships at The National Geographic Society and The California Academy of Sciences.
- Three-month field assignment at the National Museums of Kenya (Nairobi), Ornithology Department.

NORTHWEST NAZARENE COLLEGE, IDAHO

- Bachelor's degree in Biological Science, 1993. *Thesis*: Nesting Ecology of Flammulated Owls in SE Idaho.
- Teaching Assistant, Ornithology.

Fields of Specialization

- Wildlife monitoring and management, habitat assessment and report writing.
- Bird identification/distribution; experienced in survey/monitoring methodology.
- Biology and conservation of North American owls; fieldwork involving capture, banding and radio-telemetry.

Positions Held

FIELD TECHNICIAN: 2007-08. **Storrer Environmental Services**, Santa Barbara, CA.

- Conducted surveys for the *California Tiger Salamander* in the Santa Rita Valley, Santa Barbara County.
- Experience with both pit-fall trapping and aquatic surveys. Have worked closely with permitted biologists in the capture, handling, processing and release of both adults and larvae.
- Supervised crews during the installation, maintenance and repair of trap lines.

BIOLOGICAL TECHNICIAN: 1995, 1998-99. **USDA Forest Service**, Pikes Peak/San Carlos R.D., CO.

- Coordinated a monitoring program for the *Mexican Spotted Owl* along the front range of Colorado.
- Inventory and habitat assessment of sensitive threatened and endangered species.
- Conducted forest wide point-count surveys for birds, and intensive nest searches for the *N. Goshawk*.

RESEARCH ASSISTANT: 1997. **University of Arizona**, Dept. of Renewable Natural Resources.

- Conducted research on the foraging ecology of the *Gray Hawk* on the San Pedro River.
- Fieldwork: Radio telemetry, capture and banding, nest searching, prey analysis, vegetation measuring.

RESEARCH ASSISTANT: 1996. **Fort Hunter Liggett**, Department of Wildlife, CA

- Inventory and monitoring of plants (transects), birds (point-counts), mammals (spot lighting), reptiles and amphibians (pit-fall) following CEMML protocol (Center for Ecological Management of Military Lands).

SCIENTIFIC TECHNICIAN: 1994. **Washington State Department of Natural Resources**, Enumclaw, WA

- Mapping, surveying, and habitat analysis of the *Northern Spotted Owl* in the central Cascade Mountains.

Experience Relevant to Project

I have recently completed survey and monitoring work with Storrer Environmental Services on a project along Hwy 246 in Santa Barbara County surveying for the *California Tiger Salamander*. Upland surveys were conducted for adult CTS at seven separate sites (8,700 feet of drift fence and 654 bucket traps) following USFW protocol. During the 2007-08 season, I have logged over 166 hours and been present for 7 captures of adult CTS (six

male and one female). In addition, I have assisted with dip-netting of larval CTS at three ponds, where I have closely observed many individuals.

I have been involved with numerous projects involving bird surveying and monitoring, including many for threatened and endangered species. I am familiar with the various habitats in Santa Barbara County and am knowledgeable about which species are associated with each, and at what time of year (e.g. breeding, wintering).

Publications

- Hamilton, Robert A. and **Peter A. Gaede**. 2005. Pink sided x Gray Headed Juncos. *Western Birds*.
- **Gaede, Peter A.** 2003. Diet and Feeding Activity at a Flammulated Owl nest in Idaho. *Western Birds* 34:182-83.
- **Gaede, Peter A.** 2001. Illustrating *Theropithecus*. *Guild of Natural Science Illustrators Newsletter*. # 3.
- L. Powers, A. Dale, **P. Gaede**, C. Rhodes, L. Nelson, J. Dean and J. May. 1998. Weight and wing chord measurements from a population of Flammulated Owls in south-central Idaho. *Journal of the Idaho Academy of Science*. 34.2: 3-7.
- A. Dale, J. Dean, **P. Gaede**, J. May, L. Nelson, C. Rhodes and L. Powers. 1996. Nesting and food habits of the Flammulated Owl in south-central Idaho. *Journal of Raptor Research*. 30(1): 15-20.

JULIANA HYDANUS

P. O. Box 42905
Santa Barbara, CA 93140
805.969.3739
yuliyuli@cox.net

BACKGROUND SUMMARY

EQAP monitoring, San Marcos Foothills Project for Lawrence Hunt Environmental Services.
Burrowing Owl Surveying, Borax, Mojave, CA, for Garcia and Associates. Technical Support for Non-profit organization. Environmental monitoring for Garcia and Associates at Vandenberg Air Force Base. Environmental Quality Assurance Program (EQAP) monitor on Level (3) Communications Project for the County of Santa Barbara. Grunion surveying at Goleta Beach for the County of Santa Barbara. Ongoing participation and involvement in various land use policy issues in Santa Barbara County. Consultant to University of Puerto Rico researchers developing larval cultivation techniques in support of freshwater shellfish farming. Technical support for Web-based courses working under the Chairman of the Biological Sciences Department, Santa Barbara Community College. Computer and technical support to the faculty and staff of the Biological Sciences Department, Santa Barbara Community College. Design and creation of graphics for Web-based courses for the State of California; administered by Santa Barbara Community College. Research Assistant/Assistant Lab Manager for Dr. Daniel Morse. Research Assistant for Dr. Aileen Morse. Research Assistant on biological and physical oceanographic cruises in Antarctica and coastal California. Bachelors' degree, Aquatic Biology, Univ. of Calif. at Santa Barbara, 1988.

TECHNICAL & CONSULTING EXPERIENCE; NON-PROFIT

2007 to Present	EQAP monitoring on San Marcos Foothill Project for Lawrence Hunt, Environmental Consulting.
2005 to Present	Burrowing Owl Survey, Borax, Mojave, CA. Support Supervisor, Regional Coordinator, MoveOn.org, Santa Barbara, CA Environmental monitoring for Garcia and Associates, Vandenberg Air Force Base.
2001 to Present	<u>EQAP monitoring on Level (3) Communications Project</u> , subcontracted to Storrer Environmental Services. <u>Grunion Surveying</u> , Goleta Beach, subcontracted to Storrer Environmental Services.

- 1999
to
Present
(ongoing)
- Consultant to Marisel Bonet, Researcher and Cultivator, Univ. of Puerto Rico, Mayagüez, Puerto Rico.
- aiding and directing development of larval cultivation techniques for various freshwater invertebrate species

TECHNICAL & CONSULTING EXPERIENCE, cont'd

- 1997
to
1999
- Technical Assistant to Dr. Larry Jon Friesen, Chairman, Biology Department, Santa Barbara Community College.
- aiding faculty and staff in preparation of photographic materials for Web-based courses
 - layout and printing of course manuals and other materials
- Graphics Consultant on State of California Chancellors Grant, administered by SBCC, Dr. Larry Jon Friesen, Director.
- designing and creating graphics for Web-based biology tutorials

RESEARCH EXPERIENCE

- 1992
to
1997
- Research Assistant/Assistant Lab Manager to Dr. Dan Morse Marine Science Institute, Santa Barbara, CA.
- cultivating and maintaining red abalone (*Haliotis rufescens*) and tropical coral larvae (*Agaricia humilis*) for molecular biological research
 - assisting in design, set-up and implementation of experiments using cultivated larvae
 - maintenance and care of the hot and cold seawater systems
 - supervising undergraduate students in their various duties
 - acquainting newly arrived graduate students, post-doctoral and visiting researchers with lab practices and safety procedures
 - maintaining adequate supplies for all routinely used equipment
 - arranging repair and procurement of lab equipment
- 1996
to
1997
- Technician to Dr. Aileen Morse Marine Science Institute, Santa Barbara, CA.
- bioassaying of coral larvae with metamorphic inducers
 - preparation of biologically derived compounds using Hydrophobic-Interaction Chromatography
 - organizing/shipping equipment and supplies for field research
 - coordinating overseas delivery of live coral specimens
- 1990
to
1992
- Research and Laboratory Assistant to Dr. David Laur, Marine Science Institute, Santa Barbara, CA.
- Taxonomic identification of various marine invertebrates from Antarctica and Alaska
 - Cataloging samples
 - Data analysis on IBM
 - Report preparation on IBM/Macintosh

Laboratory Assistant at Aquatic Bioassays & Consulting, Ventura, CA.

- Taxonomic identification of marine invertebrates from coastal California
- Bioassaying techniques for pollution monitoring
- Taxonomic identification of freshwater fishes

1990 to 1992 Research Assistant to Paula White, St. Paul Island, Alaska.

- Live trapping of, and collection of blood samples and morphometric data on, Arctic foxes
- Radio telemetric tracking of Arctic foxes

1983 to 1988 Research Assistant to Drs. Langdon Quetin and Robin Ross, Marine Science Institute, Santa Barbara, CA.

- Collection of samples of Euphausia superba (Antarctic Peninsula)
- Laboratory processing of samples
- Performance of various shipboard experiments with samples
- Collection of water samples (T°, salinity, chlorophyll measurements)

Research Assistant to Dr. Jim Simpson, Scripps Institute of Oceanography, La Jolla, CA.

- Collection of groundtruth data (T°, salinity, pressure), coastal California

COMMUNITY SERVICE

Secretary/Treasurer, Mountain Drive Community Association, 2004 to present
Volunteer Firefighter, Mountain Drive Volunteer Fire Company, 1988 to present

EDUCATION

Bachelor of Arts, Aquatic Biology, 1988, University of California, Santa Barbara, CA.

REFERENCES

Biology:

Lawrence Hunt, Environmental Consulting, anniella@silcom.com

Tom Olsen, Garcia and Associates, tolsen@garciaandassociates.com

John Storrer, Storrer Environmental Services, 689-5982

Dr. Larry Jon Friesen, Chairman, Biological Sciences, mornings@saturdaze.net

Dr. Daniel E. Morse, Professor, UCSB, Santa Barbara, CA, 93106, d_morse@lifesci.ucsb.edu

Dr. Aileen Morse, Research Biologist, Marine Science Institute, Santa Barbara, CA, 93106

Dr. David Laur, Research Biologist, Marine Science Institute, Santa Barbara, CA, 93106

Drs. Langdon Quetin and Robin Ross, Research Biologists, Marine Science Institute, Santa Barbara, CA, 93106

Non-profit:

Daniel Mintz, Director, Support Corps, MoveOn.org, Daniel@moveon.org

THOMAS E. OLSON

Senior Biologist

EXPERTISE

Permitting
Monitoring of Permit Terms and Conditions
Endangered Species Consultation and Mitigation Planning

EDUCATION

B.S., Natural Resources Management, California Polytechnic State University, San Luis Obispo, 1977.
M.S., Wildlife Biology, Colorado State University, Fort Collins, 1980.

REGISTRATIONS

Certified Wildlife Biologist, The Wildlife Society, 1986
Certificate of Professional Development, The Wildlife Society, 1995

PROFESSIONAL

EXPERIENCE

Mr. Olson is a Wildlife Biologist and project manager with more than 22 years of experience in natural resources management, regulatory permitting, and mitigation planning. His expertise includes planning, conducting and directing biological resources studies, including literature and field surveys for terrestrial fauna and flora. Mr. Olson has managed and participated in numerous projects that involved compliance monitoring of energy and residential construction/repair sites.

REPRESENTATIVE PROJECT EXPERIENCE

- Santa Barbara County Onsite Environmental Coordinator (OEC) for Storrer Environmental Services. Coordinator for a number of oil and gas sites as part of Santa Barbara County's Integrated Environmental Quality Assurance Program (EQAP) for Oil and Gas Projects. Tasks include monthly or semi-monthly inspections of plant sites operated by Plains Exploration and Production, ConocoPhillips, ChevronTexaco, Venoco, and Greka Energy. Summary reports are prepared following each site visit, along with recommended actions, as necessary, that operating companies should take to ensure compliance with permit conditions. Periodic surveys and monitoring are also conducted in association with repair and maintenance projects undertaken at the plant sites and along appurtenant facilities, such as pipelines. Potential issues include erosion and sediment control and protection of biological resources, such as native plant communities, and special-status plants and wildlife.
- One of the lead monitors for Storrer Environmental Services during the construction of the Bluffs at Sandpiper residential development in Goleta, CA. Monitoring of permit conditions for this ongoing project is being conducted as part of the City of Goleta's Monitoring and Compliance Program (MCP). Potential issues have included Monarch butterfly aggregation sites, raptor nests, and erosion control. Primary tasks have included monitoring the implementation of applicable permit conditions, as well as interpretation of such conditions. The position has required substantial interaction with the building contractor, subcontractors, the City of Goleta Planning Department staff, and resource agencies.

- Biologist for Storrer Environmental Services during 2007-2008 Caltrans highway widening project along State Route 246 between Lompoc and Buellton. Assisted in monitoring the installation of pitfall traps. Checked pitfall traps installed near eight ponds for captures of California tiger salamanders (CTS). Documented, measured, and photographed CTS captured in traps. Conducted aquatic surveys for CTS. Handled and measured larvae of CTS and other amphibians.
 - Conducted surveys and construction monitoring for Storrer Environmental Services during a two-part project at the Laguna County Sanitation District. Pre-construction surveys were conducted for California red-legged frogs prior to the start of drainage channel maintenance work. During the construction phase, conducted daily monitoring for red-legged frogs. Per conditions of a federal handling permit, moved red-legged frogs out of harm's way. Involved in similar pre-construction surveys and construction monitoring during the mitigation phase of the project. That phase consisted of the creation of a large pond to provide habitat for red-legged frogs, southwestern pond turtles, and other aquatic herps.
 - Santa Barbara County OEC for Storrer Environmental Services for a Level(3) fiber optic project constructed along the South County coastline. Conducted inspections and supervised monitors reviewing compliance with permit conditions for the portion of the fiber optic line installed from Gaviota to the Ventura County line. Conducted numerous in-the-field meetings with representatives of Level(3) and its consultants to resolve issues during construction of the line. Filed daily reports with County planner overseeing the project.
- § Lead Wildlife Investigator for an ecological characterization of La Purisima Mission State Historic Park in Lompoc. The work was completed for prime contractor Condor Environmental. Field work included extensive surveys for breeding birds, amphibians, and reptiles; live-trapping and scent stations for mammals; and protocol-level surveys for California red-legged frogs. Special of interest included silvery legless lizard, California horned lizard, Bell's sage sparrow, rufous-crowned sparrow, and desert woodrat. Prepared sections for inclusion in the Condor Environmental report.
- § Prepared environmental documents for the City of Lompoc's Riverbend Park Bikepath Project. Utilizing data collected by myself and others, preparing biological resources sections of an Environmental Impact Report and all sections of a Natural Environment Study and Biological Assessment.
- § Conducted winter and spring surveys for birds at Sandpiper Golf Course in support of permitting for a renovation project. Species of interest for the project site included nesting and roosting raptors, and wintering shorebirds and waterfowl. Prepared reports of findings for each series of surveys, including one for winter and one for spring.

- § Provided permitting assistance to V & J Rock Transport for an existing sand mine at the Santa Ynez River within the city limits of Lompoc. Conducted surveys for breeding birds, raptors, California red-legged frog, and steelhead. Prepared reports submitted to California Department of Fish and Game for Section 1602 Streambed Alteration Agreement, U.S. Army Corps of Engineers for Section 404 permit, and Regional Water Quality Control Board for Section 401 Water Quality Certification. Also submitted reports to NOAA Fisheries and U.S. Fish and Wildlife Service and participated in informal consultation re: steelhead and California red-legged frog. Prepared Mitigated Negative Declaration (CEQA portion of project) and Environmental Assessment (NEPA portion of project).

- § Working as a subconsultant to URS Corporation, managed the update of the City of Santa Barbara's Master Environmental Assessment (MEA). Updated data on and records of sensitive species of plants and wildlife, as well as vegetation types, important wildlife habitat areas, and coastal resources. Oversaw preparation of biological resources maps, a master biological technical report, and the City's first Impact Evaluation Guidelines manual for biological resources.

PROFESSIONAL HISTORY

Thomas Olson Biological Consulting 2000 to present
Garcia and Associates (GANDA), Wildlife Biologist, 1998 to 2000
Dames & Moore, Staff Biologist promoted to Senior Biologist/Environmental Unit Leader for the Santa Barbara, CA office, 1985 to 1998
U.S. Fish & Wildlife Service, Fort Collins, CO. Biological Technician. 1983-1985.
Colorado State University, Fort Collins, CO. Research Associate and Independent Contractor. 1981-1983
Colorado Division of Wildlife, Fort Collins, CO. Wildlife Technician. 1980-1981.

PROFESSIONAL AFFILIATIONS

The Wildlife Society, Wilson Ornithological Society, Desert Tortoise Council, Phi Kappa Phi Honor Society, Sigma Xi Research Society, The Nature Conservancy. Publications referee for the *Journal of Wildlife Management*, *Wildlife Society Bulletin*, and *Proceedings of the Desert Tortoise Council Annual Symposium*. Co-editor of 1989-1991 *Proceedings of the Desert Tortoise Council Annual Symposium*. 1994 Special Award for Distinguished Service in Desert Tortoise Conservation from the Desert Tortoise Council.

PERMITS OBTAINED

- Trapping/scientific collection permit from California Department of Fish and Game.
- Memoranda-of-Understanding with California Department of Fish and Game for desert tortoise.
- Trapped Mohave ground squirrels as a sub-permittee on a permit issued by the California Department of Fish and Game.
- U.S. Fish and Wildlife Service handling permit for California tiger salamander and California red-legged frog.

BRUCE REITHERMAN

Curriculum Vitae

***EQAP On-site Coordinator: County of Santa Barbara Energy Division
Storrer Environmental Services, Inc. (October 2004 to present)***

In-field environmental compliance monitoring throughout Santa Barbara County of construction, remediation, and operational activities in oil, gas and telecom facilities owned and/or operated by ExxonMobil, Shell, PXP, ARCO, Venoco, Aera and T-Mobile. Responsibilities include periodic field inspection of operations, construction and maintenance, as well as interagency liaison and preparation of reports.

***Monitoring and Compliance Program Coordinator: City of Goleta
Storrer Environmental Services, Inc. (September 2005 to present)***

Provide on-site permit compliance monitoring for a multi-year, 63 unit residential subdivision on Elwood Mesa (Bluffs at Sandpiper). Responsibilities include field surveys for raptors, monarch butterflies and other sensitive species, daily monitoring of construction activity with regard to storm preparedness/erosion control, and preparation of daily and other periodic reports.

***Biological Monitor: County of Ventura
Hunt and Associates, Inc. (September 2007 to present)***

Provide biological monitoring, including survey work for sensitive reptile, amphibian and avian species in an ongoing habitat restoration project located in the Matilija River Floodplain that entails removing invasive plants (*Arundo*, *Tamarix*, *Cytisus* and *Arinus*) by chemical and mechanical means.

***Biologist Field Technician: California Dept. of Transportation
Storrer Environmental Services, Inc. (December 2007 to February, 2008)***

Assisted in surveys to determine presence of California Tiger Salamanders in proposed construction corridor along Hwy 246 between Buelton and Lompoc. Monitored and maintained trap lines, assisted in capture of this Federally Listed Endangered Species (as well as several other species of common reptiles and amphibians) and observed identification and measurement of individuals as well as tissue specimen collection. Shot photos to document individuals.

***Film-maker, Founder and President
Pandion Enterprises, Inc. (1984 to 2004)***

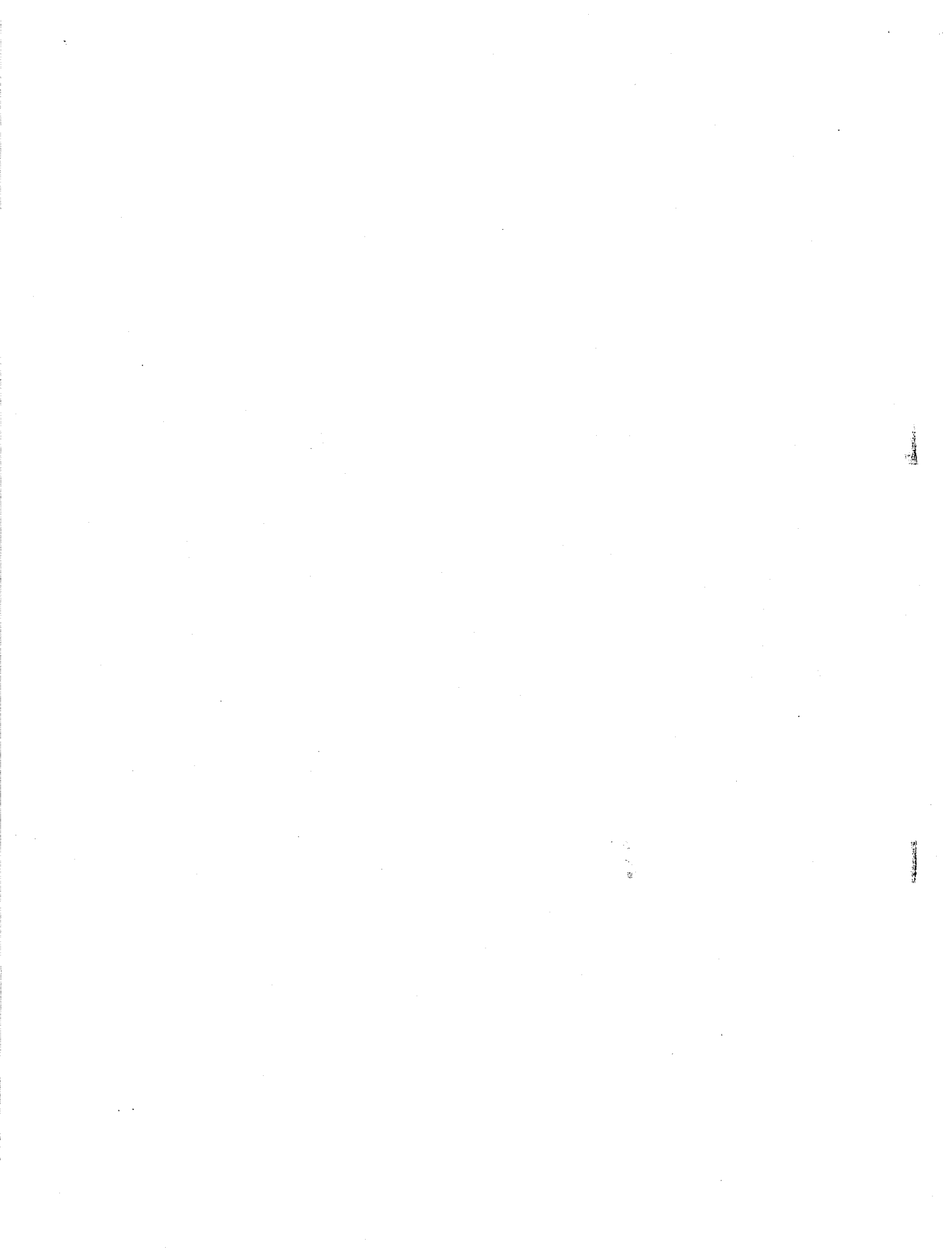
Produced, wrote and shot seven one-hour, prime time television specials dealing with the natural world, animal behavior and science. Managed and undertook research, logistical planning and execution of extended photographic field expeditions on six continents in habitats ranging from the arctic tundra of Alaska to the rainforests of Madagascar.

***Principal Investigator/Research Associate
Western Foundation of Vertebrate Zoology (1980-84)***

Project conceptualization, grant solicitation and accounting, planning and execution of extended field research on avian reproductive biology, behavior and ecology, including data analysis/publication. Federal Master Bird Banding Permit holder.

University of California, Berkeley

BA, Independent Major in Natural History; College of Natural Resources. 1973–1977.



Perry W. Russell

M.S., Geological Sciences, California State University, Northridge, 1988

B.A., Geological Sciences, University of California, Santa Barbara, 1984

Cal OSHA 40-hour training, hazardous materials

PROFESSIONAL REGISTRATIONS

California Professional Geologist (#5777)

California Certified Engineering Geologist (#1837)

California Registered Environmental Assessor (#REA 04929)

WORK SUMMARY

Mr. Russell has 22 years of experience as a geotechnical and environmental geologist completing geotechnical investigations, Phase I and II environmental site assessments, remediation projects, and environmental impact reports/statements (EIRs/EISs). He has acted as a geologist/consultant on a variety of hazardous waste related projects, including military installations, oil company properties, and commercial development. Mr. Russell has several years of experience as a senior geologist completing geology, hydrology, sediment quality, and hazardous materials/waste sections of EIRs and EISs, as specified under the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). Mr. Russell also has several years of experience as an engineering geologist, completing geotechnical investigations/monitoring for a wide variety of projects throughout southern California, and as a petroleum geologist and petroleum landman, completing projects in California and Texas.

PROFESSIONAL EXPERIENCE

Russell Consulting, Consulting Geologist (October 1998 to Present)

- On a part-time basis since 2002, worked as a subcontractor to Storrer Environmental Services as the Geological Specialist for the Santa Barbara County Integrated EQAP for oil and gas projects.
- On a part-time basis, completed numerous Phase I environmental site assessments, transaction screening assessments, and third party reviews for local land development companies, commercial property owners, an architectural firm, and other environmental consulting firms (as a subcontractor), for properties located in Ventura, Los Angeles, Orange, and Santa Barbara Counties.

Science Applications International Corporation, Senior Geologist (1995 to Present)

Provided site-specific recommendations for implementation of erosion control measures along the Central Coast Water Authority (CCWA) State Water pipeline right-of-way, immediately following the Vandenberg Air Force Base fire of Fall 2000.

Completed geology, water resources, and hazardous materials/waste sections for numerous NEPA, CEQA, and joint documents including the following representative projects:

- Proposed continuation of exploration and production activities at Plains Exploration and Production Company's (PXP's) Inglewood Oil Field, in Inglewood, California. Primary issues involved potential movement on the underlying active Newport-Inglewood Fault, potential differential settlement associated with secondary recovery efforts, and potential gas migration to the surface along improperly sealed wells. (EIR)
- Plains All American Pipeline, L.P., proposed Pier 400, Berth 408 Project, Port of Los Angeles. Primary issues involved tsunamis, potential pipeline rupture along the active Palos Verdes Fault, liquefaction, and subsurface contamination along the pipeline route. (EIR/EIS)
- Venoco's proposed Paredon onshore drilling project at the Carpinteria oil and gas processing facility. Primary issues involved the presence of a nearby active fault, potential groundwater contamination associated with waste re-injection, and potential spills into the nearby Pacific Ocean. (EIR)
- Venoco's proposed pipeline from the Ellwood Onshore Facility to the All American Pipeline at Las Flores Canyon. Primary issues involved construction induced erosion and siltation along numerous creek crossings. (EIR)
- Proposed lease renewal of the Venoco's Ellwood Marine Terminal, in Goleta, California. Primary issues involved the presence of the nearby active More Ranch Fault, potential wave-induced scour in the intertidal zone, as well as erosional impacts associated with future repair of a potentially ruptured oil and gas pipeline, affiliated with continued offshore production. (EIR)
- The Tranquillon Ridge offshore drilling project in northern Santa Barbara County. Primary issues involved erosional/water quality impacts associated with future repair of a potentially ruptured oil and gas pipeline, affiliated with continued offshore production. (EIR)
- A proposed oil and gas exploration project at Molino Canyon in Gaviota, California. The project included potential geologic impacts associated with hillside grading and excavation and potential hydrologic impacts associated with surface flow, local bedrock groundwater use, and wastewater injection. (EIR)
- A proposed water supply pipeline repair project for the Goleta Water District, in the Goleta foothills of Santa Barbara County. The pipeline was in danger of rupture due to slope failure.

Primary issues included potential erosion and slope instability during replacement of a 400-foot section of pipe. (MND)

- Proposed Santa Barbara County Oak Tree Protection Program EIR. Evaluating erosion and sedimentation of drainages due to removal of oak trees (in progress). (EIR)
- Proposed temporary storage facility for radioactive waste at the Diablo Canyon Nuclear Power Plant in San Luis Obispo County, California. Primary issues involved the presence of a major active fault located within four miles of the facility, stability of a proposed large cut slope, and landslide encroachment along the seacliff. (EIR)
- Proposed large-scale residential developments in northern Santa Barbara County, including the Rice Ranch Specific Plan area, the Bluffs at Mesa Oaks, and the Wye Specific Plan area. Primary issues involved limited water supply, potential flooding, highly erodible soils, and highly compressible soils. (EIRs)

In addition, completed impact analyses for the Army Corps of Engineers, at formerly used defense sites (FUDS), including sites in San Luis Obispo, Santa Barbara, and Los Angeles Counties.

Douglas P. Imperato (Consulting Geologist), Petroleum Geologist (1995 to 1998)

On a part-time basis, completed oil and gas exploration projects in California's Sacramento Valley. Fields worked included Willows-Beehive and Sutter Buttes. Also, completed environmental assessments for a major insurance carrier of industrial properties.

Venoco, Inc, Petroleum Geologist (1995 to 1997)

On a part-time basis, completed oil and gas exploration and development projects onshore and offshore California and onshore Texas. Oil and gas fields worked include Willows-Beehive and Grimes in the Sacramento Valley, the offshore Ellwood field near Santa Barbara, the Santa Clara field near Camarillo, and Big Mineral Creek in north Texas.

Fugro West, Inc., Project Geologist (1989 to 1995)

Project manager for an average of five to ten environmental assessment/remediation projects at any given time. Personal duties included proposal preparation, client interaction, field-work scheduling and completion, report preparation, budgetary analyses, and concurrent marketing for additional work. Noteworthy accomplishments included the following:

- Co-managed a site assessment at the Chevron-Carpinteria oil and gas processing plant, associated with partial abandonment of offshore oil production in the Santa Barbara Channel.

- Co-managed a major soil remediation project associated with abandonment of the Phillips Petroleum gas processing facility in Gaviota, California.
- Audited a portion of Texaco's oil production facilities in the rain forest of Ecuador.
- Managed site assessment/soil remediation activities associated with abandonment of approximately 15 oil wells and 6 tank batteries in an area of proposed development in Ventura County.

Leroy Crandall & Associates, Inc. (now LAW/Crandall), Staff Geologist (1987 to 1989)

Performed geotechnical investigations and environmental assessments. Projects included fault trenching, slope stability evaluation, corridor studies, and geologic-seismic report preparation for large commercial, industrial, and civil works projects in southern California. Projects included:

- Staff geologist and field supervisor for a large hillside condominium development in the San Fernando Valley, California.
- Staff geologist during field evaluation (fault trenching) of the potentially active Duarte Fault, in Duarte, California.
- Staff geologist and field supervisor for a slope stability evaluation of the ancient portion of the Portuguese Bend landslide, Palos Verdes Peninsula, California, and for numerous other slope stability studies throughout Los Angeles and Orange counties.
- Staff geologist for an evaluation of geologic conditions along the proposed tunneling alignment of a 7-mile, 17-foot diameter North Outfall Replacement Sewer, for the City of Los Angeles.

Geosoils, Inc. and McCollum Geotechnical, Inc., Soils Technician and Staff Geologist (1986)

Performed soils and geological analysis for single-family home and large cut-and-fill tract home grading operations.

Russell Investments, Petroleum Landman (Summer 1984)

Worked as a petroleum landman purchasing oil royalty interests for properties in Bryan, Texas.

Anschutz Petroleum, Inc., Petroleum Landman (Summer 1980)

Worked as a petroleum landman leasing farm properties for oil and gas exploration in south Texas.

Resume' For Laurence W. Spanne, MA

4/23/2008

Current Address

3915 E. Vermilion Ave
Kanab, UT
84741-4177

Tel: 435-644-2815
Cell: 805-588-0822
Email: lscoyote@msn.com

Education

- 1968 BA in Cultural Anthropology from University of California at Santa Barbara (UCSB) with Minor in Geology/Geography
- 1970 MA in Cultural Anthropology from UCSB emphasizing Archaeology & American Prehistory
- 1970 Advanced to Candidacy for Doctor of Philosophy in Anthropology at UCSB--Received "High Pass" on PhD Comprehensive Exams and conducted Dissertation Field Research until 1975

Professional Experience

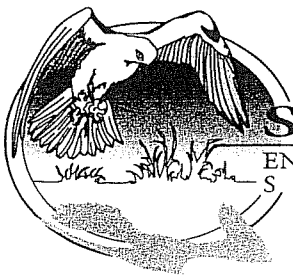
- Served since 1995 on the Storrer Environmental Services Team in reviewing archaeological reports for various energy projects, and more recently as EQAP Archaeological Specialist for the Santa Barbara County Oil and Gas Project. Duties included document review and comment, field visits to project sites, development of recommendations for resource management and protection.
- Retired as Chief of Cultural Resources and Historic Preservation Officer in 2006 after 23 years of service in the Environmental Management Office at Vandenberg Air Force Base (VAFB)
- Served from 2000 to 2003 with Storrer Environmental Services as Santa Barbara County Environmental Quality Assurance Program Archaeologist for the Level (3) Fiber Optic Project
- Received coveted 2002 Society for American Archaeology Excellence in Cultural Resource Management Award
- Responsible for development of the VAFB Cultural Resources Management Program recognized in 1999 by the Secretary of Defense Award as Best in the Department of Defense
- Independent Consultant for the past 39 years and Owner of Archaeological Assessment and Management, a consulting company specializing in surveys, record & literature searches, resource evaluation, project monitoring, quality assurance, peer review, development of management plans, & preparation of reports in California. Major clients include the U.S. Air Force; California Department of Transportation; Counties of Santa Barbara & San Luis Obispo; Cities of Lompoc, Morro Bay, Pismo Beach, Santa Maria, Santa Barbara & Solvang; energy companies; as well as numerous private firms & individuals.
- Research Associate with Santa Barbara Museum of Natural History since 1998
- Prepared over 300 archaeological/cultural resource reports, a number of publications in local and national professional journals, and delivered several papers at professional conferences
- Worked closely since 1974 with Native American groups, especially in Santa Barbara & San Luis Obispo Counties, and throughout California, on a wide range of cultural resource projects & issues
- Instructed classes in anthropology, archaeology, Native American culture and Natural History from 1971 - 2006 at Allan Hancock College and the University of California Extension Program
- Register of Professional Archaeologists qualified.

Affiliations

American Rock Art Research Association	San Luis Obispo County Archaeological Society
Lompoc Museum	Santa Barbara Museum of Natural History
Lompoc Valley Historical Society	Utah Rock Art Research Association

Sample of Recent and Reports and Documents Authored by Laurence W. Spanne

- 2008 Report on Phase I Archaeological Investigation for the Proposed Vaqueros Energy Las Flores Ranch Oil Field Development, Vicinity of Los Alamos, California, County of Santa Barbara; 12 pages including maps and site records; prepared for John Stahl of Solvang and Vaqueros Energy.
- 2008 Report on Phase I Archaeological Investigation for Proposed Rock Energy/Vaqueros Oil Field Development, Garey, California, County of Santa Barbara; 8 pages including maps; prepared for John Stahl or Solvang, California, Rock Energy of Bakersfield, and Vaqueros Energy.
- 2008 Extended Phase I Archaeological Investigation Report for APN 137-081-012, Parcel A, Higgins Property, Solvang, California, County of Santa Barbara; 8 pages including maps; prepared for John Stahl, Solvang, California.
- 2007 Phase I Archaeological Survey Report for the Proposed Careaga Water Line, San Antonio Valley, County of Santa Barbara; 18 pages including maps and site records; prepared for John Stahl and Vaqueros Energy.
- 2007 Phase I Archaeological Survey Report for TPM 14,708 Rancho Encantada Project, Santa Ynez, California, County of Santa Barbara; 7 pages including maps; prepared for Sid Goldstien, Civil Engineer, Santa Ynez.
- 2006 Phase I Archaeological Survey Report for the Proposed Barham Ranch Gas Pipeline Alignment (Los Alamos to Lompoc Oil Plant Tie-In), County of Santa Barbara; 17 pages including maps; prepared for John Stahl and Barham Ranch Pipeline LLC.
- 2005 Cultural Resources Section for Pirates Cove EIR, County of San Luis Obispo; 12 pages plus maps; prepared for Morro Group, San Luis Obispo.
- 2005 Phase I Archaeological Survey Report for Lompoc Wind Farm Project, Scolari and Signorelli Ranches, Upper Miguelito and Honda Canyons, Lompoc Vicinity, County of Santa Barbara; 61 pages plus maps and site records; prepared for EHN USA LLC.
- 2005 Cultural Resources Section of Burton Mesa Ecological Reserve Land Management Plan; Santa Barbara County; 7 pages plus maps and tables; prepared for Condor Environmental and the State of California.
- 2004 Phase I Archaeological Report for Santa Barbara Botanic Garden Acquisition; Santa Barbara County; 7 pages including maps; prepared for Santa Barbara Botanic Garden.
- 2004 Phase I Archaeological Survey Report for Fuelbreaks on the Burton Mesa Ecological Reserve; Santa Barbara County; 6 pages including maps; prepared for Condor Environmental and the State of California.
- 2004 Review of Draft Caird EIR, More Mesa, Goleta; County of Santa Barbara; 2 pages; prepared for County of Santa Barbara, Planning and Development.



STORRER
ENVIRONMENTAL
SERVICES

2565 Puesta Del Sol Road #3
Santa Barbara, CA 93105
(805) 682-2065
storrer.john@verizon.net

CIRRUCULUM VITAE – JOHN STORRER

John Storrer is owner of Storrer Environmental Services, a consulting firm specializing in biological survey, environmental compliance monitoring, habitat restoration, and conservation planning. These services are provided to a varied clientele, including resource planning and regulatory agencies, non-profit conservation groups, private parties, and other consulting firms.

EDUCATION/CERTIFICATIONS

Mr. Storrer received a B.A. in Zoology from the University of California at Santa Barbara in 1979.

Mr. Storrer holds a Scientific Collecting Permit issued by the California Department of Fish and Game. He is also authorized to conduct surveys for California tiger salamander, under a Recovery Permit held by the U.S. Fish and Wildlife Service.

PROFESSIONAL BACKGROUND

Mr. Storrer has worked as independent consultant for over twenty-five years. During this tenure, he has conducted endangered species surveys, habitat assessments, and biological constraints analyses for a variety of development projects. These investigations have involved all phases of environmental analysis, including preliminary field reconnaissance, determination of policy consistency, and technical report preparation. They have required a working knowledge of the regulatory process and application of local, state, and federal land use policies. The ability to interpret the guidelines and provisions of the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) has been essential to these projects.

Mr. Storrer has extensive field experience with vertebrate populations in Santa Barbara County. His work includes surveys on the Channel Islands for breeding birds, pinnipeds, and island fox. Mainland reconnaissance has targeted such species as California tiger salamander, western spadefoot, California red-legged frog, southwestern pond turtle, western snowy plover, southwestern willow flycatcher, and least Bell's vireo. Mr. Storrer has conducted focused field surveys for California tiger salamander in the eastern Santa Maria Valley, Los Alamos Valley, and Solomon Hills. He is currently managing a two-year project to determine status of California tiger salamander at seven study sites in the Santa Rita Valley. He has performed habitat assessments and presence/absence surveys for California red-legged frog within the Tri-Counties (Ventura, Santa Barbara, and San Luis Obispo) Region. He has been authorized by the US Fish and Wildlife Service to capture and relocate red-legged frogs, as well as other sensitive reptile and amphibian species for specific projects.

Mitigation design and implementation is perhaps the strongest of Mr. Storrer's abilities. He has authored plans for habitat recovery, rare plant restoration, resource management, and mitigation monitoring. He assisted with the development of Standard Mitigation Policies employed by the Santa Barbara County Planning and Development Department. His insights have contributed to the effectiveness of the County's resource protection policies. Mr. Storrer's management of permit compliance and revegetation monitoring programs for the County has allowed first-hand experience with the implementation of environmental resource mitigation plans.

Mr. Storrer has authored four multi-disciplinary, resource management plans in the Santa Barbara Region (More Mesa, Burton Mesa, Point Sal, and Gaviota). He recently completed a long-range conservation planning document (Conceptual Area Protection Plan) for the Gaviota Coast.

Mr. Storrer has managed the field and administrative aspects of ten large-scale permit compliance monitoring projects, including six Environmental Quality Assurance Programs for the Santa Barbara County Planning and Development Department. As Onsite Environmental Coordinator for large oil and gas projects, Mr. Storrer has been directly responsible for permit enforcement, documentation of permit compliance, and evaluation of mitigation effectiveness. In managing these projects, he has demonstrated a unique ability to ensure the primary objectives of resource protection and regulatory oversight while understanding and accommodating construction logistics. His accomplishments have included successful resolution of conflicts among varied interest groups. These successes are attributable to Mr. Storrer's communication skills and ability to assimilate and balance a range of perspectives in the context of large scale construction monitoring projects.

REFERENCES

Doug Anthony
Deputy Director
County of Santa Barbara
Planning & Development Department
Energy Division
123 E. Anapamu Street, 1st Floor
Santa Barbara, CA 93101
(805) 568-2040

Paul W. Collins
Curator
Department of Vertebrate Zoology
Santa Barbara Museum of Natural History
2559 Puesta del Sol Road
Santa Barbara, CA 93105
(805) 682-4711

William Douros
Superintendent
Monterey Bay National Marine Sanctuary
299 Foam Street
Monterey, CA 93940
(831) 647-4258

Michael Feeney
Executive Director
Land Trust for Santa Barbara County
1114 State Street, Suite 249
Santa Barbara, CA 93101
(805) 966-4520



Hooshang Khosrovani, Ph.D., P.E.

Associate Principal

Hooshang Khosrovani has been involved in the field of environmental noise and acoustical science for close to four decades, including over 20 years with Veneklasen Associates. With an emphasis on industrial applications and community noise impact assessment, he is an expert on plant and equipment noise mitigation, performance of community noise and vibration surveys, noise emission analysis and predictions, and the development of specifications. His client base is diverse and includes utilities, manufacturers, municipalities, educational and cultural institutions, architects, developers, and transportation agencies for rail, highways and airports. Hooshang has taught and conducted research at the university level including such roles at Purdue University and California State University, Los Angeles.

Representative Clients

AT&T, Caltrans, Chevron, Glendale Water & Power, Hyperion Waste Treatment Plant/Metropolitan Water District, MTA/Gold Line, JPL, NBC Universal, Marymount College, Norcal Waste Systems, Playa Vista/Tishman Speyer, Providence St. Joseph Medical Center, San Onofre Nuclear Generating Station, South Coast Water District, Southern California Edison, Sempra Energy, University Medical Center (AZ), Westmont College, Verizon

Municipalities

Beverly Hills, Culver City, Glendale, Goleta, Huntington Beach, Los Angeles (City and County), Lynwood, Santa Barbara

Industrial Noise Experience

Chemical and power plant design and development, noise mitigation plans, computer noise modeling, development of equipment specifications, environmental regulatory compliance, OSHA compliance and product development.

Community Noise Experience

Noise surveys and analysis including environmental assessment for roadways, airports, large industrial installations, power plants, water treatment plants, outdoor entertainment venues, substations, etc. Expert testimony and preparation of documents for legal cases and presentation to courts.

Noise & Vibration Analysis Experience

Structural vibration analysis and control in buildings and plants. Development of mitigation programs using finite element methods. Measurement analysis and development of mitigation programs for control of vibration and noise within structures. Analysis of ground vibration due to traffic and construction activities. Prediction of noise generation due to structural vibration.

Professional Experience

1985 to Present: Veneklasen Associates *formerly Paul S. Veneklasen Associates*
Others: Southern California Edison, C. F. Braun & Company, Mikron Instrument Company; Aria-Mehr University of Technology; American Standard Company; Bolt, Beranek & Newman, Inc.

Education

Ph.D. - Mechanical Engineering, Purdue University, 1969
Master of Science - Mechanical Engineering, Purdue University, 1963
Bachelor of Science - Mechanical Engineering, Purdue University, 1961

Certifications

California Professional Engineering Registration No. 22163 - 1981
County of Orange-Certified Acoustical Consultant No. 98224 - 2000
Arizona-Professional Engineering Registration No. 33669 - 2001

EXHIBIT B

**PAYMENT ARRANGEMENTS
Periodic Compensation**

A. For CONTRACTOR services to be rendered under this contract, CONTRACTOR shall be paid on a time-and-materials basis, including cost reimbursements, with a total contract amount not to exceed **\$871,067.00**, which includes a 20% contingency of **\$145,178.00**. Hourly Rates, Overhead and Fees (Fixed Rates) and Other Direct Costs are as follows. Base hourly rates and multipliers (Overhead and Fee) will remain fixed for the five-year contract period.

A-1 Base Hourly Rates – Project Personnel

Direct Labor

Project Manager/Onsite Environmental Coordinator (Storrer): \$90.00/hour

Subcontract Labor

Assistant Project Manager/Onsite Environmental Coordinator (Olson)	\$90.00/hour
Onsite Environmental Coordinator (Reitherman)	\$90.00/hour
Archaeological Specialist (Spanne)	\$100.00/hour
Geological Specialist (Russell)	\$100.00/hour
Acoustical Specialist (Khosrovani)	\$160.00/hour
*Native American Monitor (Santa Ynez Indian Reservation)	\$45.00/hour
Environmental Monitors (Gaede and Hydanus)	\$45.00/hour

* The Santa Ynez Indian Reservation also charges and administrative fee of \$55.00/day plus a 47% Overhead fee on labor.

A-2 Overhead and Fee (Fixed Rates)

Overhead 35% of Direct Labor

Subcontractor Handling Charge 15% of Subcontract Labor

A-3 Other Direct Costs (ODCs) Charged at-cost to consultant

Mileage (subject to increase, per COUNTY allowance) \$0.505/mile

B. As reflected in **Exhibit A** of this contract, any requested change in contractor personnel shall be at the discretion of and approved by the COUNTY Designated Representative.

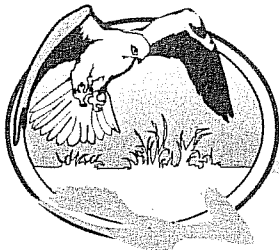
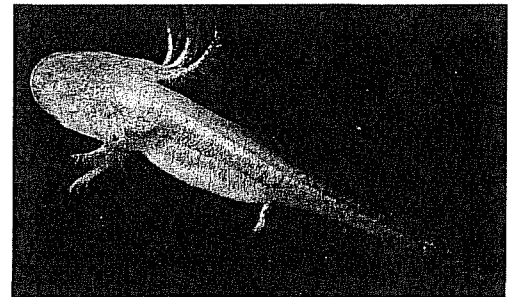
C. Payment for services and /or reimbursement of costs shall be made upon CONTRACTOR's satisfactory performance, based upon the general scope and methodology contained in **EXHIBIT A** as determined by COUNTY.

D. Monthly, CONTRACTOR shall submit to the COUNTY DESIGNATED REPRESENTATIVE an invoice or certified claim on the County Treasury for the service performed over the period specified. These invoices or certified claims must cite the assigned Board Contract Number. COUNTY REPRESENTATIVE shall evaluate the quality of the service performed and if found to be satisfactory shall initiate payment processing. COUNTY shall pay invoices or claims for satisfactory work within 30 days of

presentation. CONTRACTOR shall not commence work unless and until the COUNTY representative issues a Notice to Proceed.

D. COUNTY's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of COUNTY's right to require CONTRACTOR to correct such work or billings or seek any other legal remedy.

**SANTA BARBARA COUNTY
INTEGRATED ENVIRONMENTAL QUALITY ASSURANCE PROGRAM
FOR OIL AND GAS PROJECTS**



STORRER
ENVIRONMENTAL
SERVICES

Submitted to

Santa Babara County Energy Division

123 East Anapamu St. 1st Floor • Santa Barbara, CA • 93101

Submitted by

Storrer Environmental Services

2565 Puesta Del Sol Road #3 • Santa Barbara, CA • 93105

805 • 682-2065

May 9, 2008

Hourly Estimate and Rate Proposal

Hourly Estimate & Rate Proposal

TABLE OF CONTENTS

	<u>Page</u>
1. Billing Rate Summary.....	1
A. Base Hourly Rates – Project Personnel.....	1
B. Overhead and Fee (Fixed Rates).....	1
2. Hourly Breakdown by Task.....	1
A. Cost Breakdown by Task for Individual Projects.....	1
B. Methods of Determining Charges for Services.....	2
3. Letters of Commitment from Subcontractors	2
4. Conflict of Interest Statement	2
5. Statement of Offer.....	3
6. Acknowledgement of Contractual Provisions	4

Appendices

- A: Work Program Budgets for Individual Projects.....end of document
B: Letters of Commitment from Subcontractors

HOURLY ESTIMATE & RATE PROPOSAL

1.0 BILLING RATE SUMMARY

A. Base Hourly Rates - Project Personnel

Direct Labor

Project Manager/Onsite Environmental Coordinator (Storrer): \$90.00/hour

Subcontract Labor

Assistant Project Manager/Onsite Environmental Coordinator (Olson)	\$90.00/hour
Onsite Environmental Coordinator (Reitherman)	\$90.00/hour
Archaeological Specialist (Spanne)	\$100.00/hour
Geological Specialist (Russell)	\$100.00/hour
Acoustical Specialist (Khosrovani)	\$160.00/hour
*Native American Monitor (SY Indian Reservation)	\$45.00/hour
Environmental Monitor (Gaede, Hydanus)	\$45.00/hour

* The Santa Ynez Indian Reservation also charges an administration fee of \$55 per day plus a 47% Overhead fee on labor.

B. Overhead and Fee (Fixed Rates)

Overhead 35% of Direct Labor

Subcontractor Handling Charge 15% of Subcontract Labor

Other Direct Costs (ODCs) charged at-cost to consultant

Mileage (subject to increase, per County allowance) \$0.505/mile

Base hourly rates and multipliers (Overhead and Fee) will remain fixed for the five-year contract period.

2.0 HOURLY BREAKDOWN BY TASK

A. Cost Breakdown by Task for Individual Projects

Detailed cost estimates for individual projects are presented in Appendix A of the Cost Proposal. Because projects are managed and billed separately, it is most useful to budget them individually. The assumptions used to generate the level of effort for each project by task, are provided in Appendix A of the accompanying Technical Proposal.

B. Methods of Determining Charges for Services

Project personnel will be billed at the respective hourly rates specified on Page 1. With the exception of Environmental Monitors and Native American Monitors, billing rates for all staff positions will remain fixed, regardless of overtime hours accumulated. Environmental Monitors will be hired as temporary employees through an employment agency. The employment agency will cover Workers' Compensation, taxes, and disability and unemployment benefits for temporary employees. This arrangement will ensure consistency with the insurance requirements stipulated in the County's Standard Contract, as well as compliance with the State Labor Code. The fee for payroll services is based on a percentage of the employee's compensation. Native American Monitors are employees of the Santa Ynez Band. Temporary employees are entitled to overtime compensation, at a rate of 1.5 times their regular rate, for time accumulated over eight hours per day or forty hours per week. The overtime rate has been factored into the proposed project budgets detailed in Appendix A of this Cost Proposal.

The fixed rate multiplier (overhead on direct labor and handling charge on subcontract labor) is intended to cover the consultant's operating and administrative costs. These include office rent, supplies, and operating expenses; insurance costs; bookkeeping services; and non-billable labor. Vehicle use charged at the rate established by the County of Santa Barbara for compensation for personal vehicle use.

Computations for mileage reimbursement and ODC's are as follows:

Mileage

The majority of transportation costs are associated with implementation of Tasks 1, 2, and 5. Mileage expenses will be minimized by combining site visits as much as possible. Round-trip distance from the firm's Santa Barbara office to various facility sites is estimated as follows:

Ellwood	20 miles
Las Flores Canyon	45 miles
Gaviota	60 miles
North County	110 miles

3. LETTERS OF COMMITMENT FROM SUBCONTRACTORS

Letters of Commitment from subcontractors are provided in Appendix B of the Hourly Estimate & Rate Proposal. Each contains a detailed statement of disclosure concerning potential conflict of interest.

4. CONFLICT OF INTEREST STATEMENT

Storrer Environmental Services is pleased to offer our services for assistance with the Integrated EQAP for Santa Barbara County Oil and Gas Projects. The owner of the firm, John Storrer has reviewed the *Organizational Conflict of Interest* provision in Section 9 of the Sample County/Consultant Contract (Attachment B of the RFP). Subcontractors to Storrer Environmental Services have not been previously hired by any of the oil and gas production or transportation companies listed in Attachment A of the RFP, except as described in the following narrative and as reiterated in their Letters of Commitment (Appendix B of the Hourly Estimate & Rate Proposal). None of our contractual obligations within the past two years would preclude our involvement with the Integrated EQAP per the criteria stated in Appendix B. Storrer Environmental Services does not intend to enter into any agreements that would compromise our objectivity or jeopardize the EQAP contract in any way.

Except as otherwise specifically described in this proposal, none of the proposed EQAP team members have any present or prior contractual relationships with the oil and gas industry that would affect their ability to perform the required services.

As stated in the accompanying Technical Proposal, various employees and subcontractors included in the proposed EQAP team are currently contracted by, or have performed services for the oil and gas industry within the last two years. The following information is provided in the interest of full disclosure. Details of subcontractor's involvement with oil and gas project during the last two years are provided in their respective Letters of Commitment (Appendix B).

Thomas Olson

Mr. Olson has provided limited subcontractor services over the past several years for two companies whose projects will likely be under the purview of the EQAP program. First, he has conducted biological surveys at ExxonMobil's Santa Ynez Unit in Las Flores Canyon since 1994. Specific tasks have included a two-day annual biological survey (subsequently reduced in scope to a two-day survey every five years) and periodic assistance during one-day oil spill drills. Second, he has conducted avian surveys at two different wind energy sites (Lompoc Wind Energy Project and Pt. Sal Wind Energy Project) for Acciona Wind Energy USA LLC. Details of these arrangements are detailed in Mr. Olson's Letter of Commitment (Appendix B).

Laurence Spanne

Mr. Spanne has conducted small-scale Phase 1 Archaeological Investigations on behalf of petroleum producers and their associates within Santa Barbara County during the past two years. These include one for Rock Energy and Vaqueros Energy of Bakersfield at the Garey Project Site in 2008, another for Vaqueros Energy at the Las Flores Ranch Project Site near Los Alamos in 2008, the Careaga Water Line Project for Vaqueros Energy in the Los Alamos Valley in 2007, and the Barham Ranch Gas Pipeline Project in

the Los Alamos Valley in 2006 for Katherman Exploration Company of Santa Maria. These projects are noted in Mr. Spanne’s Letter of Commitment (Appendix B).

Perry Russell

Mr. Russell has worked on several oil/gas company projects over the last two years, as a geologist for Science Applications International (SAIC), where he primarily writes geology, water resources, and hazardous materials portions of Environmental Impact Reports (EIRs) and Environmental Impact Statements (EISs). While working for SAIC, Mr. Russell is currently assisting with preparation of an Environmental Impact Report for continued operations at the Inglewood Oil Field. SAIC’s client is Marine Research Specialists, who is the prime contractor to Plains Exploration and Production Company. Details of this arrangement are provided in Mr. Russell’s Letter of Commitment (Appendix B).

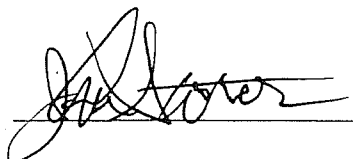
Hooshang Khosrovani

As Associate Principal of Veneklasen and Associates, Dr. Khosrovani recently provided noise analysis and monitoring at Chevron Products Company’s El Segundo Refinery. Details of this contract are provided in Veneklasen’s Letter of Commitment (Appendix B).

5. STATEMENT OF OFFER

This proposal is made by Storrer Environmental Services for the Integrated EQAP for Santa Barbara County Oil and Gas Projects. The work will be performed on a time and materials basis at the billing rates and other costs identified in this proposal. Services beyond those explicitly described in this proposal shall be provided at additional cost, through a written contract change order by mutual agreement of the County of Santa Barbara and Storrer Environmental Services. The proposal is a firm offer that shall stand for 90 days from the date of submittal.

The following individual has the authority to negotiate on behalf of and to contractually bind Storrer Environmental Services for the performance of professional services specified in this proposal.

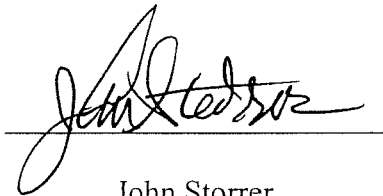


John Storrer
Owner
Storrer Environmental Services
2565 Puesta Del Sol #3
Santa Barbara, CA 93105
(805) 682-2065

6. ACKNOWLEDGMENT OF CONTRACTUAL PROVISIONS

John Storrer, owner of Storrer Environmental Services has read the contractual provisions identified in the Attachment B of the County's Request for Proposals, understands said provisions, and is willing to be bound without qualification thereto. Certificates of Insurance for General and Automobile Liability Insurance and Professional Liability Insurance are enclosed with the proposal. Copies of these certificates are also on file with the County.

Verification that temporary employees are covered by Workers Compensation Insurance will be provided at such time that those employees are retained for specific projects.

A handwritten signature in black ink, appearing to read "John Storrer", is written over a horizontal line.

John Storrer
Owner
Storrer Environmental Services

APPENDIX A

WORK PROGRAM BUDGETS FOR INDIVIDUAL PROJECTS

(July 1, 2008 through June 30, 2013)

All American Pipeline System.....1
Arco Dos Pueblos Facility and Pipeline Abandonment.....2
ExxonMobil Las Flores Canyon Oil and Gas Processing Facility and Pipelines3
POPCO Las Flores Canyon Gas Plant and Pipeline4
Venoco Ellwood Onshore Facility (EOF).....5
Venoco Ellwood Marine Terminal (EMT)6
Venoco State Lease 4217
AERA Hercules Gas Plant Abandonment8
Arco Alegria Facility and Flowlines Abandonment9
Arguello Inc. (Point Arguello Unit) GOHM and Pipelines10
Arguello Inc. /Chevron Gaviota Partial Abandonment.....11
Gaviota Terminal Abandonment.....12
Molino Gas Project Abandonment.....13
Texaco Hollister Ranch Pipelines Abandonment14
Aera Guadalupe Abandonment.....15
PXP Point Pedernales Pipeline and Lompoc Oil & Gas Plant.....16
ConocoPhillips Point Pedernales Pipeline and Orcutt Pump Station17
ConocoPhillips Sisquoc Pipeline and Santa Maria Pump Station18
PXP Battles Six-inch Gas Line Abandonment19
Battles Gas Plant Abandonment20
Unocal Cojo Marine Terminal and Point Conception Facilities Abandonment21
PXP Tranquillon Ridge Oil and Gas Drilling and Processing.....22
American Ethanol, Inc.23
Lompoc Wind Energy Project24

**All American Pipeline Project (CEJC)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		60	20
Task 2 (Revegetation Monitoring)		120	
Task 3 (Special Mitigation)		40	
Task 5 (Facilities Inspections)		30	10
Task 6 (Reporting)		60	20
Task 7 (CEQA Review)			
Hours Total		310	50
Direct Labor Cost	\$ 27,900.00		
Overhead (35% of Direct Labor)	\$ 9,765.00		
Subcontract Labor Cost	\$ 4,500.00		\$4,500.00
Subcontractor Handling Charge (15%)	\$ 675.00		
Total Labor	\$ 42,840.00		
Other Direct Costs (ODCs):			
Mileage	\$ 2,525.00		
Total ODCs	\$ 2,525.00		
Total Not-to-Exceed Cost:	\$ 45,365.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

**ARCO Dos Pueblos Abandonment Project (RET)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		
Task 2 (Revegetation Monitoring)		
Task 3 (Special Mitigation)		
Task 5 (Facilities Inspections)		
Task 6 (Reporting)		
Task 7 (CEQA Review)		16
Hours Total		16
Direct Labor Cost	\$ 1,440.00	
Overhead (35% of Direct Labor)	\$ 504.00	
Subcontract Labor Cost		
Subcontractor Handling Charge (15%)		
Total Labor	\$ 1,944.00	
Other Direct Costs (ODCs):		
Mileage	\$ 303.00	
Total ODCs	\$ 303.00	
Total Not-to-Exceed Cost:	\$ 2,247.00	

Project Manager/Onsite Environmental Coordinator (PM/OEC)

**Exxon Las Flores Canyon Project (CEDC)
(July 1, 2008 - June 30, 2013)**

Task	Costs	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr)	AES Hours (\$160/hr)
Task 1 (Construction Monitoring)		112	112	
Task 2 (Revegetation Monitoring)		10		
Task 3 (Special Mitigation)		40		40
Task 5 (Facilities Inspections)		135	45	
Task 6 (Reporting)		45	15	
Task 7 (CEQA Rview)				
Hours Total		342	172	40
Direct Labor Cost	\$ 30,780.00			
Overhead (35% of Direct Labor)	\$ 10,773.00			
Subcontract Labor Cost	\$ 15,480.00		\$ 15,480.00	\$ 6,400.00
Subcontractor Handling Charge (15%)	\$ 2,322.00			
Total Labor	\$ 59,355.00			
Other Direct Costs (ODCs):				
Mileage	\$ 2,590.65			
Total ODCs	\$ 2,590.65			
Total Not to Exceed Cost:	\$ 61,945.65			

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 Acoustical Environmental Specialist (AEC)

POPCO Gas Plant Project (CPOC)
(July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)			
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)			
Task 5 (Facilities Inspections)		8	4
Task 6 (Reporting)		3	1
Task 7 (CEQA Rview)			
Hours Total		11	5
Direct Labor Cost	\$ 990.00		
Overhead (35% of Direct Labor)	\$ 346.50		
Subcontract Labor Cost	\$ 450.00		\$ 450.00
Subcontractor Handling Charge (15%)	\$ 67.50		
Total Labor	\$ 1,854.00		
Other Direct Costs (ODCs):			
Mileage	\$ 606.00		
Total ODCs	\$ 606.00		
Total Not to Exceed Cost:	\$ 2,460.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

Venoco Ellwood Onshore Oil and Gas Plant (CETG)
 (July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		6	2
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		4	
Task 5 (Facilities Inspections)		14	4
Task 6 (Reporting)		9	3
Task 7 (CEQA Rview)			
Hours Total		33	9
Direct Labor Cost	\$ 2,970.00		
Overhead (35% of Direct Labor)	\$ 1,039.50		
Subcontract Labor Cost	\$ 810.00		\$ 810.00
Subcontractor Handling Charge (15%)	\$ 121.50		
Total Labor	\$ 4,941.00		
Other Direct Costs (ODCs):			
Mileage	\$ 707.00		
Total ODCs	\$ 707.00		
Total Not-to-Exceed Cost:	\$ 5,648.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

Venoco Ellwood Marine Terminal (CETC)
(July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		30	10
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		10	
Task 5 (Facilities Inspections)		68	22
Task 6 (Reporting)		30	10
Task 7 (CEQA Rview)			
Hours Total		138	42
Direct Labor Cost	\$ 12,420.00		
Overhead (35% of Direct Labor)	\$ 4,347.00		
Subcontract Labor Cost	\$ 3,780.00		\$3,780.00
Subcontractor Handling Charge (15%)	\$ 567.00		
Total Labor	\$ 21,114.00		
Other Direct Costs (ODCs):			
Mileage	\$ 808.00		
Total ODCs	\$ 808.00		
Total Not-to-Exceed Cost:	\$ 21,922.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

Venoco SL 421 (RSLF)
(July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		40	40
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		16	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		10	10
Task 7 (CEQA Rview)		16	
Hours Total		82	50
Direct Labor Cost	\$ 7,380.00		
Overhead (35% of Direct Labor)	\$ 2,583.00		
Subcontract Labor Cost	\$ 4,500.00		\$4,500.00
Subcontractor Handling Charge (15%)	\$ 675.00		
Total Labor	\$ 15,138.00		
Other Direct Costs (ODCs):			
Mileage	\$ 202.00		
Total ODCs	\$ 202.00		
Total Not-to-Exceed Cost:	\$ 15,340.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

**AERA Hercules Abandonment Project
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		180	180
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		16	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		30	30
Task 7 (CEQA Review)			
Hours Total		226	210
Direct Labor Cost	\$ 20,340.00		
Overhead (35% of Direct Labor)	\$ 7,119.00		
Subcontract Labor Cost	\$ 18,900.00		\$ 18,900.00
Subcontractor Handling Charge (15%)	\$ 2,835.00		
Total Labor	\$ 49,194.00		
Other Direct Costs (ODCs):			
Mileage	\$ 5,454.00		
Total ODCs	\$ 5,454.00		
Total Not-to-Exceed Cost:	\$ 54,648.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

**ARCO Alegria Abandonment Project (RAAA)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		
Task 2 (Revegetation Monitoring)		30
Task 3 (Special Mitigation)		
Task 5 (Facilities Inspections)		
Task 6 (Reporting)		10
Task 7 (CEQA Review)		
Hours Total		40
Direct Labor Cost	\$ 3,600.00	
Overhead (35% of Direct Labor)	\$ 1,260.00	
Subcontract Labor Cost	\$ -	
Subcontractor Handling Charge (15%)	\$ -	
Total Labor	\$ 4,860.00	
Other Direct Costs (ODCs):		
Mileage	\$ 303.00	
Total ODCs	\$ 303.00	
Total Not-to-Exceed Cost:	\$ 5,163.00	

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Point Arguello Oil & Gas Processing and Pipelines (CEFC)
 (July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		80	40
Task 2 (Revegetation Monitoring)		40	
Task 3 (Special Mitigation)		20	
Task 5 (Facilities Inspections)		80	40
Task 6 (Reporting)		45	15
Task 7 (CEQA Rview)			
Hours Total		265	95
Direct Labor Cost	\$ 23,850.00		
Overhead (35% of Direct Labor)	\$ 8,347.50		
Subcontract Labor Cost	\$ 8,550.00		\$8,550.00
Subcontractor Handling Charge (15%)	\$ 1,282.50		
Total Labor	\$ 42,030.00		
Other Direct Costs (ODCs):			
Mileage	\$ 3,232.00		
Photo Documentation			
Communications			
Total ODCs	\$ 3,232.00		
Total Not-to-Exceed Cost:	\$ 45,262.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

**Arguello/Chevron Gaviota Partial Abandonment (MPAC)
(July 1, 2008 - June 30 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	
Task 1 (Construction Monitoring)		18	
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)			
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		12	
Task 7 (CEQA Rview)			
Hours Total		30	
Direct Labor Cost	\$ 2,700.00		
Overhead (35% of Direct Labor)	\$ 945.00		
Subcontract Labor Cost	\$ -		
Subcontractor Handling Charge (15%)	\$ -		
Total Labor	\$ 3,645.00		
Other Direct Costs (ODCs):			
Mileage	\$ 181.80		
Total ODCs	\$ 181.80		
Total Not-to-Exceed Cost:	\$ 3,826.80		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

**Gaviota Terminal Abandonment (RGTA)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		32	32
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		16	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		12	4
Task 7 (CEQA Review)			
Hours Total		60	36
Direct Labor Cost	\$ 5,400.00		
Overhead (35% of Direct Labor)	\$ 1,890.00		
Subcontract Labor Cost	\$ 3,240.00		
Subcontractor Handling Charge (15%)	\$ 486.00		
Total Labor	\$ 11,016.00		
Other Direct Costs (ODCs):			
Mileage	\$ 484.80		
Total ODCs	\$ 484.80		
Total Not-to-Exceed Cost:	\$ 11,500.80		

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

**Molino Gas Plant Abandonment (CMOL)
(July 1, 2008 - June 30, 2013)**

Task	Costs	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		
Task 2 (Revegetation Monitoring)		20
Task 3 (Special Mitigation)		
Task 5 (Facilities Inspections)		
Task 6 (Reporting)		10
Task 7 (CEQA Review)		
Hours Total		30
Direct Labor Cost	\$2,700.00	
Overhead (35% of Direct Labor)	\$ 945.00	
Subcontract Labor Cost		
Subcontractor Handling Charge (15%)		
Total Labor	\$ 3,645.00	
Other Direct Costs (ODCs):		
Mileage	\$ 151.50	
Total ODCs	\$ 151.50	
Total Not to Exceed Cost:	\$ 3,796.50	

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

Texaco Hollister Ranch Pipeline Abandonment (RTHR)
(July 1, 2009 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		
Task 2 (Revegetation Monitoring)		8
Task 3 (Special Mitigation)		
Task 5 (Facilities Inspections)		
Task 6 (Reporting)		8
Task 7 (CEQA Rview)		
Hours Total		16
Direct Labor Cost	\$ 1,440.00	
Overhead (35% of Direct Labor)	\$ 504.00	
Subcontract Labor Cost	\$ -	
Subcontractor Handling Charge (15%)	\$ -	
Total Labor	\$ 1,944.00	
Other Direct Costs (ODCs):		
Mileage	\$ 80.80	
Total ODCs	\$ 80.80	
Total Not-to-Exceed Cost:	\$ 2,024.80	

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

AERA Guadalupe Abandonment Project (RGIH)
(July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		12	40
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)		4	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		8	8
Task 7 (CEQA Rview)			
Hours Total		24	48
Direct Labor Cost	\$ 2,160.00		
Overhead (35% of Direct Labor)	\$ 756.00		
Subcontract Labor Cost	\$ 4,320.00		\$ 4,320.00
Subcontractor Handling Charge (15%)	\$ 648.00		
Total Labor	\$ 7,884.00		
Other Direct Costs (ODCs):			
Mileage	\$ 576.00		
Total ODCs	\$ 576.00		
Total Not-to-Exceed Cost:	\$ 8,460.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

PXP Point Pedernales Project (CTOR)
 (July 1, 2008 through June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)	GEO ES Hours (\$100/hr.)
Task 1 (Construction Monitoring)		20	60	
Task 2 (Revegetation Monitoring)		260		
Task 3 (Special Mitigation)		40		480
Task 5 (Facilities Inspections)		30	90	
Task 6 (Reporting)		40	40	
Task 7 (CEQA Review)				
Hours Total		390	190	480
Direct Labor Cost	\$ 35,100.00			
Overhead (35% of Direct Labor)	\$ 12,285.00			
Subcontract Labor Cost	\$ 65,100.00		#####	\$48,000.00
Subcontractor Handling Charge (15%)	\$ 9,765.00			
Total Labor	\$ 122,250.00			
Other Direct Costs (ODCs):				
Mileage	\$ 5,151.00			
Total ODCs	\$ 5,151.00			
Total Not-to-Exceed Cost:	\$ 127,401.00			

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 Geological Specialist (GEO ES)

**CONOCOPhillips Point Pedernales/Orcutt Pump Station (CEGP)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)	GEO ES Hours (\$100/hr.)
Task 1 (Construction Monitoring)			8	
Task 2 (Revegetation Monitoring)		16		
Task 3 (Special Mitigation)		4		74
Task 5 (Facilities Inspections)		4	8	
Task 6 (Reporting)		8	4	
Task 7 (CEQA Review)				
Hours Total		32	20	74
Direct Labor Cost	\$ 2,880.00			
Overhead (35% of Direct Labor)	\$ 1,008.00			
Subcontract Labor Cost	\$ 9,200.00		\$1,800	\$7,400.00
Subcontractor Handling Charge (15%)	\$ 1,380.00			
Total Labor	\$ 14,468.00			
Other Direct Costs (ODCs):				
Mileage	\$ 3,030.00			
Total ODCs	\$ 3,030.00			
Total Not-to-Exceed Cost:	\$ 17,498.00			

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)
Geological Specialist (GEO ES)

**CONOCOPhillips Sisquoc Pipeline/ Santa Maria Pump Station (CEQC)
(July 1, 2008 - June 30, 2013)**

Task	Cost	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		5	15
Task 2 (Revegetation Monitoring)			
Task 3 (Special Mitigation)			
Task 5 (Facilities Inspections)		15	45
Task 6 (Reporting)		10	30
Task 7 (CEQA Rview)			
Hours Total		30	90
Direct Labor Cost	\$ 2,700.00		
Overhead (35% of Direct Labor)	\$ 945.00		
Subcontract Labor Cost	\$ 8,100.00		\$8,100.00
Subcontractor Handling Charge (15%)	\$ 1,215.00		
Total Labor	\$ 12,960.00		
Other Direct Costs (ODCs):			
Mileage	\$.505.00		
Total ODCs	\$ 505.00		
Total Not-to-Exceed Cost:	\$ 13,465.00		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

**PXP Battles Six-inch Pipeline Abandonment (RNAB)
(July 1, 2008 - June 30, 2013)**

Task	Costs	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)			
Task 2 (Revegetation Monitoring)			12
Task 3 (Special Mitigation)			
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		3	3
Task 7 (CEQA Rview)			
Hours Total		3	15
Direct Labor Cost	\$ 270.00		
Overhead (35% of Direct Labor)	\$ 94.50		
Total Subcontract Labor Costs	\$ 1,350.00		
Subcontractor Handling Charge (15%)	\$ 202.50		
Total Labor	\$ 1,917.00		
Other Direct Costs (ODCs):			
Mileage	\$ 60.60		
Total ODCs	\$ 60.60		
Total Not-to-Exceed Cost:	\$ 1,977.60		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

**Battles Gas Plant Abandonment (REGX)
(July 1, 2008 - June 30, 2013)**

Task	Costs	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr)
Task 1 (Abandonment Monitoring)		8	24
Task 2 (Revegetation Monitoring)		10	40
Task 3 (Special Mitigation)		8	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		20	20
Task 7 (CEQA Rview)			
Hours Total		46	84
Direct Labor Cost	\$ 4,140.00		
Overhead (35% of Direct Labor)	\$ 1,449.00		
Subcontract Labor Cost	\$ 7,560.00		\$7,560.00
Subcontractor Handling Charge (15%)	\$ 1,134.00		
Total Labor	\$ 14,283.00		
Other Direct Costs (ODCs):			
Mileage	\$ 545.40		
Total ODCs	\$ 545.40		
Total Not to Exceed Cost:	\$ 14,828.40		

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)

Unocal Cojo Marine Terminal Abandonment (RUCJ)
 (July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)		
Task 2 (Revegetation Monitoring)		90
Task 3 (Special Mitigation)		
Task 5 (Facilities Inspections)		
Task 6 (Reporting)		20
Task 7 (CEQA Review)		
Hours Total		110
Direct Labor Cost	\$ 9,900.00	
Overhead (35% of Direct Labor)	\$ 3,465.00	
Subcontract Labor Cost	\$ -	
Subcontractor Handling Charge (15%)	\$ -	
Total Labor	\$ 13,365.00	
Other Direct Costs (ODCs):		
Mileage	\$ 656.50	
Total ODCs	\$ 656.50	
Total Not-to-Exceed Cost:	\$ 14,021.50	

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)

PXP Tranquillon Ridge (RTTR)
(July 1, 2008 - June 30, 2013)

Task	Cost	PM/OEC Hours (\$90/hr.)
Task 1 (Construction Monitoring)	10	30
Task 2 (Revegetation Monitoring)	10	
Task 3 (Special Mitigation)	8	
Task 5 (Facilities Inspections)		
Task 6 (Reporting)	10	10
Task 7 (CEQA Review)		
Hours Total	38	40
Direct Labor Cost	\$ 3,600.00	
Overhead (35% of Direct Labor)	\$ 1,260.00	
Subcontract Labor Cost	\$ 3,600.00	
Subcontractor Handling Charge (15%)	\$ 540.00	
Total Labor	\$ 9,000.00	
Other Direct Costs (ODCs):		
Mileage	\$ 454.50	
Total ODCs	\$ 454.50	
Total Not-to-Exceed Cost:	\$ 9,454.50	

Project Manager/Onsite Environmental Coordinator (PM/OEC)

American Ethanol, Inc.
(July 1, 2008 - June 30, 2013)

Task	Costs	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr)	EM Hours (\$45/hr)	
Task 1 (Construction Monitoring)		30	90	288	
Task 2 (Revegetation Monitoring)		10	10		
Task 3 (Special Mitigation)					
Task 5 (Facilities Inspections)		27	81		
Task 6 (Reporting)		46	138		
Task 7 (CEQA Review)		16			
Hours Total		129	319	288	
Direct Labor Cost	\$ 11,610.00				
Overhead (35% of Direct Labor)	\$ 4,063.50				
Subcontract Labor Cost	\$ 41,670.00		\$ 28,710.00	\$ 12,960.00	
Subcontractor Handling Charge (15%)	\$ 6,250.50				
Total Labor	\$ 63,594.00				
Other Direct Costs (ODCs):					
Mileage	\$ 13,392.60				
Total ODCs	\$ 13,392.60				
Total Not to Exceed Cost:	\$ 76,986.60				

Project Manager/Onsite Environmental Coordinator (PM/OEC)
Onsite Environmental Coordinator (OEC)
Environmental Monitor (EM)

**Lompoc Wind Energy (REHN)
(July 1, 2008 - June 30, 2013)**

Task	Costs	PM/OEC Hours (\$90/hr.)	OEC Hours (\$90/hr)	EM Hours (\$45/hr)	AES Hours (\$160/hr)
Task 1 (Construction Monitoring)		60	60	1584	
Task 2 (Revegetation Monitoring)		130	130		
Task 3 (Special Mitigation)		40			40
Task 5 (Facilities Inspections)					
Task 6 (Reporting)		54	54		
Task 7 (CEQA Review)					
Hours Total		284	244	1584	40
Direct Labor Cost	\$ 25,560.00				
Overhead (35% of Direct Labor)	\$ 8,946.00				
Subcontract Labor Cost	\$ 99,640.00		\$ 21,960.00	\$ 71,280.00	\$6,400.00
Subcontractor Handling Charge (15%)	\$ 14,946.00				
Total Labor	\$ 149,092.00				
Other Direct Costs (ODCs):					
Mileage	\$ 11,554.40				
Total ODCs	\$ 11,554.40				
Total Not to Exceed Cost:	\$ 160,646.40				

Project Manager/Onsite Environmental Coordinator (PM/OEC)
 Onsite Environmental Coordinator (OEC)
 Environmental Monitor (EM)
 Acoustical Environmental Specialist (AES)

APPENDIX B

LETTERS OF COMMITMENT FROM SUBCONTRACTORS

Gaede, Peter (Environmental Monitor)

Hydanus, Juliana (Environmental Monitor)

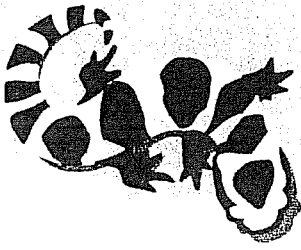
Olson, Thomas (Assistant Project Manager/Onsite Environmental Coordinator)

Reitherman, Bruce (Onsite Environmental Coordinator)

Russell, Perry (Geological Specialist)

Spanne, Laurence (Archaeological Specialist)

Veneklasen and Associates (Acoustical Specialist)



Peter Gaede
918 Fellowship Rd.
Santa Barbara, CA 93109

805.708.6301

2 May 2008

John Storrer
Storrer Environmental Services
2565 Puesta del Sol, #3
Santa Barbara, CA 93105

Dear John,

I enjoyed speaking with you last week regarding your proposal and my potential involvement with the Santa Barbara County Integrated EQAP for Oil and Gas Projects. I am very interested in participating in the project in the capacities we discussed, and am willing to make the time commitment for the duration of the project term.

I have no conflict of interest regarding my involvement with any these projects.

Thank-you, and please do not hesitate to contact me with any questions.

Sincerely,

Peter Gaede

JULIANA HYDANUS
Biotechnical Services

P.O. Box 42905
Santa Barbara, CA 93140
yuliyuli@cox.net
805.969.3739

4 May 2008

John Storrer
Storrer Environmental Services
2565 Puesta del Sol, #3
Santa Barbara, CA 93105

**Re: Letter of Commitment to Provide Subcontract Services – Santa Barbara
County Integrated Environmental Quality Assurance Program (EQAP)
for Oil and Gas Projects**

Dear John:

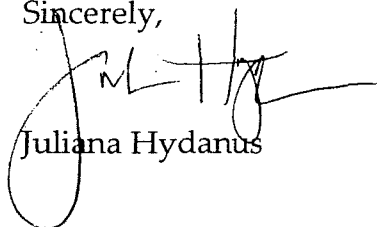
Thank you for including me in Storrer Environmental Services' proposal for the Santa Barbara County Integrated EQAP for Oil and Gas Projects. As I said at our meeting recently, I would be very happy to serve as an Environmental Monitor for these construction and/or abandonment projects.

To reiterate, I am committing my services to this project for its duration of five years.

With regards to conflict of interest while working on this project, as I stated, I have none.

Thank you for including me in your proposal. I look forward to working with you again.

Sincerely,



Juliana Hydanus

**Thomas Olson Biological Consulting
104 South C Street
Suite G
Lompoc, CA 93436
Phone: (805) 717-1938; Fax: (805) 740-2046**

May 3, 2008

Mr. John Storrer
Storrer Environmental Services
2565 Puesta del Sol, #3
Santa Barbara, CA 93105

Re: Commitment to Santa Barbara County Integrated
Environmental Quality Assurance Program (EQAP) for
Oil and Gas Projects

Dear John:

I am pleased to be included in the Storrer Environmental Services proposal for the Santa Barbara County Integrated EQAP for Oil and Gas Projects. As you know, I have been part of the Storrer EQAP team since 2000, assisting with inspections and monitoring of EQAP projects in both the North County and South County. As such, I am familiar with the overall program, and with specific sites throughout the County.

For the sake of continuity, I would continue to focus on North County sites, but would also be available for South County sites and projects as well. I will adjust my work schedule as needed to accommodate my role on the Storrer Environmental Services contract for the Integrated EQAP for Oil and Gas Projects.

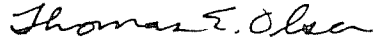
As you aware, I have provided limited subcontractor services over the past several years for two companies whose projects will likely be under the purview of the EQAP program. First, I have conducted biological surveys at ExxonMobil's Santa Ynez Unit in Las Flores Canyon since 1994. Specific tasks have included a two-day annual biological survey (subsequently reduced in scope to a two-day survey every five years) and periodic assistance during one-day oil spill drills.

Second, I have conducted surveys at two different wind energy sites (Lompoc Wind Energy Project and Pt. Sal Wind Energy Project) for Acciona Wind Energy USA LLC. It is my understanding that the Santa Barbara EQAP will likely monitor Acciona's compliance with permit conditions during construction and operation of the Lompoc Wind Energy Project. Similarly, I assume that if Acciona goes forward with the Pt. Sal project, the Santa Barbara EQAP would also monitor that project's compliance with conditions of approval. I have not been an EQAP representative on ExxonMobil or Acciona projects in the past, nor do I expect to do so in the future. As such, I have not

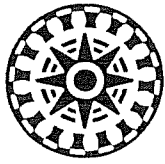
and will not have a conflict of interest with regard to my involvement in the Santa Barbara County Integrated EQAP for Oil and Gas Projects.

I look forward to working with you during the term of this next contract. Please contact me at (805) 717-1938 if you need additional information.

Sincerely,



Thomas Olson
104 South C Street
Suite G
Lompoc, CA 93436



russell
consulting

April 23, 2008

Mr. John Storrer
Storrer Environmental Services
2565 Puesta del Sol Road, #3
Santa Barbara, CA 93105

Re: Letter of Commitment to Provide Subcontract Services for the Santa
Barbara County Integrated Environmental Quality Assurance (EQAP)
for Oil and Gas Projects

John,

Thanks for once again considering me as part of the Storrer Environmental Services team to implement the Santa Barbara County Integrated EQAP for oil and gas projects. My understanding is that I would continue to be the EQAP Geological Specialist. Services will be provided at the level required by County staff. It is assumed that my annual participation over the five-year contract period would be the following:

- PXP Point Pedernales: 176 hours
- ConocoPhillips Point Pedernales: 140 hours

Regarding potential conflict of interest, I have worked on several oil/gas company projects over the last two years, as a geologist for SAIC, where I primarily write geology, water resources, and hazardous materials portions of Environmental Impact Reports (EIRs) and Environmental Impact Statements (EISs). SAIC has not competed for EQAP monitoring work in the past six years that I have worked for Storrer Environmental Services as an EQAP Geological Specialist, nor do I anticipate SAIC competing for such work during the duration of the project (five years). Therefore, there is no conflict of interest with respect to my participation with the project and I agree not to enter into any contract arrangement that might be perceived as a conflict of interest for the duration of the project.

The following projects are oil and gas related projects on which I have participated in the past two years while working at SAIC:

Client: Plains (PXP)

Prime Contractor: Marine Research Specialists

Project: EIR for continuation of operations at Inglewood Oil Field

Period of Performance: 2007 to present

Amount of Contract: Unknown, as I have not been involved in project management

Client: Port of Los Angeles

Prime Contractor: SAIC

Project: EIR/EIS for Plains All American Pipeline, L.P., Proposed Pier 400, Berth 408 Project, Port of Los Angeles

Period of Performance: 2007 to present

Amount of Contract: Unknown, as I have not been involved in project management

Client: City of Carpinteria

Prime Contractor: Marine Research Specialists

Project: EIR for Venoco's proposed Paredon onshore drilling project at the Carpinteria oil and gas processing facility

Period of Performance: 2006-2007

Amount of Contract: Unknown, as I have not been involved in project management

Client: County of Santa Barbara Energy Department

Prime Contractor: Marine Research Specialists

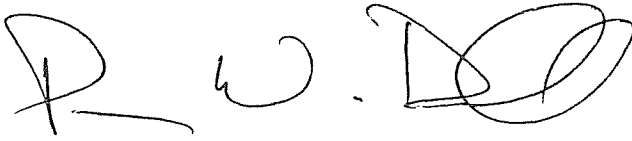
Project: EIR for Venoco's proposed pipeline from Ellwood Onshore Facility to All American Pipeline at Las Flores Canyon

Period of Performance: 2007

Amount of Contract: Unknown, as I have not been involved in project management

If you have any questions, please call me at (805) 895-0090.

Sincerely,

A handwritten signature in black ink, appearing to read "Perry W. Russell". The signature is stylized, with a large, looped "P" and "R".

Perry W. Russell, PG, CEG, REA
Principal, Geologist

Laurence W. Spanne, MA
Archaeological Consultant
3915 E. Vermilion Ave
Kanab, UT 84741-4177

Tel: (435) 644-2815
Cell: (805) 588-0822
E-mail: lscoyote@msn.com

April 24, 2008

Mr. John Storrer
Storrer Environmental Services
2565 Puesta Del Sol Road #3
Santa Barbara, CA 93105

Re: Letter of Commitment for Santa Barbara County Oil and Gas EQAP Project

Dear John:

This letter is to inform you that I am available and willing to serve as Archaeological Specialist on your EQAP Team for the Santa Barbara County Oil and Gas Project. I am committed to the project at the anticipated level of hourly participation (80 hours) specified in the proposal. I have no conflict of interest with respect to my participation in the project and I will not enter into any contract arrangements that might be perceived as such a conflict for the duration of the project (five years).

I have conducted several small-scale Phase 1 Archaeological Investigations on behalf of petroleum producers and their associates within Santa Barbara County during the past two years. These include one for Rock Energy and Vaqueros Energy of Bakersfield at the Garey Project Site in 2008, another for Vaqueros Energy at the Las Flores Ranch Project Site near Los Alamos in 2008, the Careaga Water Line Project for Vaqueros Energy in the Los Alamos Valley in 2007, and the Barham Ranch Gas Pipeline Project in the Los Alamos Valley in 2006 for Katherman Exploration Company of Santa Maria. I do not believe that any of this work constitutes a conflict of interest.

If you do have any questions or require additional information, please contact me at the numbers above. Thanks very much for the opportunity to work with you again.

Yours sincerely,



Laurence W. Spanne



May 5, 2008

John Storrer
Storrer Environmental Services
2565 Puesta Del Sol Road, #3
Santa Barbara, CA 93105

RE: Letter of Commitment - Santa Barbara County Integrated EQAP Program for Oil & Gas Projects

Dear John,

With this letter, Veneklasen Associates would like to express its interest in participating with your firm as a sub-consultant regarding the subject opportunity. Founded in 1947, Veneklasen Associates is one of the largest acoustical, AV/IT, environmental noise, and vibration consulting firms in the Western United States. Our staff of 20 technical professionals is carefully balanced, representing individuals with degrees in acoustics, physics, engineering and architecture. With regard to relevant experience, our firm has been involved with such oil and gas environmental noise projects as:

ExxonMobil (formerly Exxon) Las Flores Canyon; Santa Barbara, CA

Noise compliance monitoring of large-scale onshore consolidation site producing oil and other products, including verification of prevailing noise ordinance compliance. The work was performed under a subcontract agreement with Storrer Environmental Services as part of the Santa Barbara County EQAP for Oil and Gas Projects.

Chevron Products Company; El Segundo, CA

As a consultant to Chevron, VA provided noise analysis, a review of operational procedures and noise monitoring of the refinery hydrogen venting system, including the verification of the prevailing noise ordinance compliance. In this capacity, we completed noise surveys and a field performance check, as well as a review of the vent silencer specifications. With the data obtained VA then developed protocols for the various system components.

Comprehensive safety training was required to gain access to the refinery. VA contracted directly with Chevron, for a contract amount of \$15,000. The project manager was myself, with assistance provided on an intermittent basis by VA Senior Associate Aaron Betit.

In addition, VA has a history of working with several public and private utilities on their noise mitigation programs. These entities include Southern California Edison, the Orange County Sanitation District, the Foothill Municipal Water District, Los Angeles Department of Water & Power, Sempra Energy, Hyperion Treatment Plant, the Northern California Power Authority, and San Onofre Nuclear Generating Station, among many others.

Veneklasen Associates relies upon a full complement of scientific computational measurement and analysis resources. We own and maintain a full inventory of equipment including sound level meters, noise monitors, logging devices, field computers, and vibration measurement analysis equipment. The extent of these technical resources allows our firm to prepare work product quickly and accurately in the form of reports, tables, and drawings which are readily integrated into overall project documentation.

We are not currently involved with any refinery work, our most recent being Chevron in El Segundo, which concluded in late Fall, 2006. Veneklasen Associates presently has no conflict of interest with regard to our participation in the Santa Barbara County Integrated EQAP for Oil & Gas Projects, nor do we intend enter into any contractual arrangements which might be perceived as such. Per the RFP instructions we are willing to commit a minimum of 80 hours to this project over the life of the contract. We would be pleased to be able to participate with you in this opportunity. Thank you in advance for your consideration.

Sincerely,

VENEKLASEN ASSOCIATES, INC.

Hooshang Khosrovani, Ph.D., P.E.
Associate Principal

EXHIBIT C

STANDARD INDEMNIFICATION AND INSURANCE PROVISIONS for contracts REQUIRING professional liability insurance

INDEMNIFICATION

Indemnification pertaining to other than Professional Services:

CONTRACTOR shall defend, indemnify and save harmless the COUNTY, its officers, agents and employees from any and all claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities arising out of this Agreement or occasioned by the performance or attempted performance of the provisions hereof; including, but not limited to, any act or omission to act on the part of the CONTRACTOR or his agents or employees or other independent contractors directly responsible to him; except those claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities resulting from the sole negligence or willful misconduct of the COUNTY.

CONTRACTOR shall notify the COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement.

Indemnification pertaining to Professional Services:

CONTRACTOR shall indemnify and save harmless the COUNTY, its officers, agents and employees from any and all claims, demands, damages, costs, expenses (including attorney's fees), judgments or liabilities arising out of the negligent performance or attempted performance of the provisions hereof; including any willful or negligent act or omission to act on the part of the CONTRACTOR or his agents or employees or other independent contractors directly responsible to him to the fullest extent allowable by law.

CONTRACTOR shall notify the COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement.

Without limiting the CONTRACTOR's indemnification of the COUNTY, CONTRACTOR shall procure the following required insurance coverages at its sole cost and expense. All insurance coverage is to be placed with insurers which (1) have a Best's rating of no less than A: VII, and (2) are admitted insurance companies in the State of California. All other insurers require the prior approval of the COUNTY. Such insurance coverage shall be maintained during the term of this Agreement. Failure to comply with the insurance requirements shall place CONTRACTOR in default. Upon request by the COUNTY, CONTRACTOR shall provide a certified copy of any insurance policy to the COUNTY within ten (10) working days.

1. Workers' Compensation Insurance: Statutory Workers' Compensation and Employers Liability Insurance shall cover all CONTRACTOR's staff while performing any work incidental to the performance of this Agreement. The policy shall provide that no cancellation, or expiration or reduction of coverage shall be effective or occur until at least thirty (30) days after receipt of such notice by the COUNTY. In the event CONTRACTOR is self-insured, it shall furnish a copy of Certificate of Consent to Self-Insure issued by the Department of Industrial Relations for the State of California. This provision does not apply if CONTRACTOR has no employees as

defined in Labor Code Section 3350 et seq. during the entire period of this Agreement and CONTRACTOR submits a written statement to the COUNTY stating that fact.

2. General and Automobile Liability Insurance: The general liability insurance shall include bodily injury, property damage and personal injury liability coverage, shall afford coverage for all premises, operations, products and completed operations of CONTRACTOR and shall include contractual liability coverage sufficiently broad so as to include the insurable liability assumed by the CONTRACTOR in the indemnity and hold harmless provisions of the Indemnification Section of this Agreement between COUNTY and CONTRACTOR. The automobile liability insurance shall cover all owned, non-owned and hired motor vehicles that are operated on behalf of CONTRACTOR pursuant to CONTRACTOR's activities hereunder. CONTRACTORS shall require all subcontractors to be included under its policies or furnish separate certificates and endorsements to meet the standards of these provisions by each subcontractor. COUNTY, its officers, agents, and employees shall be Additional Insured status on any policy. A cross liability clause, or equivalent wording, stating that coverage will apply separately to each named or additional insured as if separate policies had been issued to each shall be included in the policies. A copy of the endorsement evidencing that the policy has been changed to reflect the Additional Insured status must be attached to the certificate of insurance. The limit of liability of said policy or policies for general and automobile liability insurance shall not be less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate. Any deductible or Self-Insured Retention {SIR} over \$10,000 requires approval by the COUNTY.

Said policy or policies shall include a severability of interest or cross liability clause or equivalent wording. Said policy or policies shall contain a provision of the following form:

"Such insurance as is afforded by this policy shall be primary and non-contributory to the full limits stated in the declarations, and if the COUNTY has other valid and collectible insurance for a loss covered by this policy, that other insurance shall be excess only."

If the policy providing liability coverage is on a 'claims-made' form, the CONTRACTOR is required to maintain such coverage for a minimum of three years following completion of the performance or attempted performance of the provisions of this agreement. Said policy or policies shall provide that the COUNTY shall be given thirty (30) days written notice prior to cancellation or expiration of the policy or reduction in coverage.

3. Professional Liability Insurance. Professional liability insurance shall include coverage for the activities of CONTRACTOR's professional staff with a combined single limit of not less than \$1,000,000 per occurrence or claim and \$2,000,000 in the aggregate. Said policy or policies shall provide that COUNTY shall be given thirty (30) days written notice prior to cancellation, expiration of the policy, or reduction in coverage. If the policy providing professional liability coverage is a on 'claims-made' form, the CONTRACTOR is required to maintain such coverage for a minimum of three (3) years (ten years [10] for Construction Defect Claims) following completion of the performance or attempted performance of the provisions of this agreement.

CONTRACTOR shall submit to the office of the designated COUNTY representative certificate(s) of insurance documenting the required insurance as specified above prior to this Agreement becoming effective. COUNTY shall maintain current certificate(s) of insurance at all times in the office of the designated County representative as a condition precedent to any payment under this Agreement. Approval of insurance by COUNTY or acceptance of the certificate of insurance by COUNTY shall not relieve or decrease the extent to which the CONTRACTOR may be held responsible for payment of

damages resulting from CONTRACTOR'S services of operation pursuant to the contract, nor shall it be deemed a waiver of COUNTY'S rights to insurance coverage hereunder.

In the event the CONTRACTOR is not able to comply with the COUNTY'S insurance requirements, COUNTY may, at their sole discretion and at the CONTRACTOR'S expense, provide compliant coverage.

The above insurance requirements are subject to periodic review by the COUNTY. The COUNTY's Risk Manager is authorized to change the above insurance requirements, with the concurrence of County Counsel, to include additional types of insurance coverage or higher coverage limits, provided that such change is reasonable based on changed risk of loss or in light of past claims against the COUNTY or inflation. This option may be exercised during any amendment of this Agreement that results in an increase in the nature of COUNTY's risk and such change of provisions will be in effect for the term of the amended Agreement. Such change pertaining to types of insurance coverage or higher coverage limits must be made by written amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of acceptance of the amendment or modification.

