

**ATTACHMENT 1**

**Agreement for Services of Independent Contractor  
between the  
County of Santa Barbara and Storrer Environmental Services, LLC  
for EQAP Monitoring**

## **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, LLC 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.

**WHEREAS**, CONTRACTOR represents that it is specially trained, skilled, experienced, and competent to perform the special services required by COUNTY and COUNTY desires to retain the services of CONTRACTOR pursuant to the terms, covenants, and conditions herein set forth;

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

### **1. DESIGNATED REPRESENTATIVE**

Errin Briggs, Supervising Planner, at phone number (805) 568-2047 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. John Storrer, Project Manager, 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 personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To COUNTY: Errin Briggs, County of Santa Barbara Planning & Development Department, 123 E. Anapamu Street, Santa Barbara, CA 93101-2058

To CONTRACTOR: John Storrer, Storrer Environmental Services, LLC, 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 in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

### **3. SCOPE OF SERVICES**

CONTRACTOR agrees to provide Environmental Quality Assurance Program (EQAP) services to COUNTY in accordance with **EXHIBIT A** attached hereto and incorporated herein by reference.

### **4. TERM**

CONTRACTOR shall commence performance on July 1, 2021 and end performance upon completion, but no later than June 30, 2026 unless otherwise directed by COUNTY or unless earlier terminated.

## **5. COMPENSATION OF CONTRACTOR**

In full consideration for CONTRACTOR's services, 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**

It is mutually understood and agreed that CONTRACTOR (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to COUNTY and not as an officer, agent, servant, employee, joint venturer, partner, or associate of COUNTY. Furthermore, COUNTY shall have no right to control, supervise, or direct the manner or method by which CONTRACTOR shall perform its work and function. However, COUNTY shall retain the right to administer this Agreement so as to verify that CONTRACTOR is performing its obligations in accordance with the terms and conditions hereof. 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. CONTRACTOR shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, CONTRACTOR shall be solely responsible and save COUNTY harmless from all matters relating to payment of CONTRACTOR's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, CONTRACTOR may be providing services to others unrelated to the COUNTY or to this Agreement.

## **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. DEBARMENT AND SUSPENSION**

CONTRACTOR certifies to COUNTY that it and its employees and principals are not debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or county government contracts. CONTRACTOR certifies that it shall not contract with a subcontractor that is so debarred or suspended.

## **9. TAXES**

CONTRACTOR shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. 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.

## **10. CONFLICT OF INTEREST**

CONTRACTOR covenants that CONTRACTOR presently has no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, 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. CONTRACTOR must promptly disclose to COUNTY, in writing, any potential conflict of interest. COUNTY retains the right to waive a conflict of interest disclosed by CONTRACTOR if COUNTY determines it to be immaterial, and such waiver is only effective if provided by COUNTY to CONTRACTOR in writing.

## **11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY**

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, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, 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 of such items to other parties except after prior written approval of COUNTY.

Unless otherwise specified in **Exhibit A**, CONTRACTOR hereby assigns to COUNTY all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by CONTRACTOR pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). COUNTY shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. CONTRACTOR agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. CONTRACTOR warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. CONTRACTOR at its own expense shall defend, indemnify, and hold harmless COUNTY against any claim that any Copyrightable Works or Inventions or other items provided by CONTRACTOR hereunder infringe upon intellectual or other proprietary rights of a third party, and CONTRACTOR shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by COUNTY in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

## **12. NO PUBLICITY OR ENDORSEMENT**

CONTRACTOR shall not use COUNTY's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. CONTRACTOR shall not use COUNTY's name or logo in any manner that would give the appearance that the COUNTY is endorsing CONTRACTOR. CONTRACTOR shall not in any way contract on behalf of or in the name of COUNTY. CONTRACTOR shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the COUNTY or its projects, without obtaining the prior written approval of COUNTY.

## **13. COUNTY PROPERTY AND INFORMATION**

All of COUNTY's property, documents, and information provided for CONTRACTOR's use in connection with the services shall remain COUNTY's property, and CONTRACTOR shall return any such items whenever requested by COUNTY and whenever required according to the Termination section of this Agreement. CONTRACTOR may use such items only in connection with providing the services. CONTRACTOR shall not disseminate any COUNTY property, documents, or information without COUNTY's prior written consent.

#### **14. 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 principles. 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. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), CONTRACTOR shall be subject to the examination and audit of the California State Auditor, at the request of the COUNTY or as part of any audit of the COUNTY, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). CONTRACTOR shall participate in any audits and reviews, whether by COUNTY or the State, at no charge to COUNTY.

If federal, state or COUNTY audit exceptions are made relating to this Agreement, CONTRACTOR shall reimburse all costs incurred by federal, state, and/or COUNTY governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from COUNTY, CONTRACTOR shall reimburse the amount of the audit exceptions and any other related costs directly to COUNTY as specified by COUNTY in the notification.

#### **15. INDEMNIFICATION AND INSURANCE**

CONTRACTOR agrees to the indemnification and insurance provisions as set forth in **EXHIBIT C** attached hereto and incorporated herein by reference.

#### **16. 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.

#### **17. 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.

#### **18. NON-ASSIGNMENT**

CONTRACTOR shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

#### **19. 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, for non-appropriation of funds, or because of the failure of CONTRACTOR to fulfill the obligations herein.

1. **For Convenience.** COUNTY may terminate this Agreement in whole or in part upon thirty (30) days written notice. During the thirty (30) day period, CONTRACTOR shall, as directed by COUNTY, wind down and cease its services as quickly and efficiently as reasonably possible, without performing

unnecessary services or activities and by minimizing negative effects on COUNTY from such winding down and cessation of services.

- 2. For Non-appropriation of Funds.** Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or COUNTY governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then COUNTY will notify CONTRACTOR of such occurrence and COUNTY may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, COUNTY shall have no obligation to make payments with regard to the remainder of the term.
  - 3. 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 or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services affected (unless the notice directs otherwise) and notify COUNTY as to the status of its performance. The date of termination shall be the date the notice is received by CONTRACTOR, unless the notice directs otherwise.
- 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.
- C.** Upon termination, CONTRACTOR shall deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process, except such items as COUNTY may, by written permission, permit CONTRACTOR to retain. Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for satisfactory services 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 affect any right or remedy which COUNTY may have in law or equity.

## **20. 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.

## **21. 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.

**22. 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.

**23. TIME IS OF THE ESSENCE**

Time is of the essence in this Agreement and each covenant and term is a condition herein.

**24. 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.

**25. 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.

**26. 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.

**27. COMPLIANCE WITH LAW**

CONTRACTOR shall, at its 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 is 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.

**28. CALIFORNIA LAW AND JURISDICTION**

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.

**29. 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.

### **30. AUTHORITY**

All signatories and 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.

### **31. SURVIVAL**

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

### **32. 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.

### **33. 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.

### **34. HANDLING OF PROPRIETARY INFORMATION**

CONTRACTOR understands and agrees that certain materials which may be provided may be classified and conspicuously labeled 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.

### **35. IMMATERIAL CHANGES**

CONTRACTOR and COUNTY agree that immaterial changes to the work program (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.

### **36. 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, LLC**.

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

**ATTEST:**

Mona Miyasato  
County Executive Officer  
Clerk of the Board

By: \_\_\_\_\_  
Deputy Clerk

**COUNTY OF SANTA BARBARA:**

Bob Nelson  
Chair, Board of Supervisors

By: \_\_\_\_\_

Date: \_\_\_\_\_

**RECOMMENDED FOR APPROVAL:**

Lisa Plowman, Director  
Planning & Development

By: \_\_\_\_\_  
Department Head

**CONTRACTOR:**

John Storrer, Project Manager/Owner,  
Storrer Environmental Services, LLC

By: \_\_\_\_\_  
Authorized Representative

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**APPROVED AS TO FORM:**

Michael C. Ghizzoni  
County Counsel

By: \_\_\_\_\_  
Deputy County Counsel

**APPROVED AS TO ACCOUNTING FORM:**

Betsy M. Schaffer, CPA  
Auditor-Controller

By: \_\_\_\_\_  
Deputy

**APPROVED AS TO FORM:**

Ray Aromatorio  
Risk Management

By: \_\_\_\_\_  
Risk Management

## EXHIBIT A

### STATEMENT OF WORK

CONTRACTOR shall render services in accordance with the Storrer Environmental Services, LLC Integrated Environmental Quality Assurance Program Technical Proposal dated April 2, 2021 (**Appendix 1**) and the Storrer Environmental Services, LLC Environmental Quality Assurance Program Hourly Estimate and Rate Proposal, dated April 2, 2021 (**Appendix 2**), both incorporated herein by reference and referred to collectively hereafter as the "Proposal". The Proposal describes the environmental monitoring scope of work which includes the following: CONTRACTOR qualifications and experience, key personnel and project management program, monitoring methodology, report preparation, project schedule, billing rates and cost estimates.

John Storrer, Jessica Peak, Peter Gaede, Justine Cooper, Thomas Olson, Amelia Olson, Laurence Spanne and Larry Gurrola shall be the individual(s) personally responsible for providing all services hereunder. CONTRACTOR may not substitute other persons without the prior written approval of COUNTY's designated representative.

**Suspension for Convenience.** COUNTY's designated representative may, without cause, order CONTRACTOR in writing to suspend, delay, or interrupt the services under this Agreement in whole or in part for up to 90 days. COUNTY shall incur no liability for suspension under this provision and suspension shall not constitute a breach of this Agreement.

**Appendix 1:** Storrer Environmental Services, LLC EQAP Technical Proposal submitted April 2, 2021

**Appendix 2:** Storrer Environmental Services, LLC EQAP Hourly Estimate and Rate Proposal submitted April 2, 2021

## EXHIBIT B

### PAYMENT ARRANGEMENTS

#### Periodic Compensation

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid on a time and materials basis, a total contract amount, including cost reimbursements, up to but not to exceed **\$2,900,596.38**, which includes a 10% contingency of **\$263,690.58**. Hourly Rates, Overhead and Fees (Fixed Rates) and other Direct Costs are as follows. Base hourly rates and 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):	\$145.00/hour
Assistant Project Manager/Onsite Environmental Coordinator (Peak)	\$120.00/hour
Onsite Environmental Coordinators (Cooper, Gaede, A. Olson, T. Olson)	\$120.00/hour

##### Subcontract Labor

Archaeological Specialist (Spanne)	\$150.00/hour
Geological Specialist (Gurrola)	\$145.00/hour

Base hourly rates (direct and subcontractor labor) will remain fixed for the five-year contract period. Rates include all indirect costs such as overhead.

#### A-2 Overhead and Fee (Fixed Rates)

Subcontractor Handling Charge	15% of Subcontract Labor
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Base overhead rates listed in this subsection A-2 Overhead and Fee (Fixed Rates) (subcontractor handling charge) will remain fixed for the five-year contract period.

#### A-3 Other Direct Costs (ODCs)

<u>Mileage</u> (subject to increase, per COUNTY allowance)	Charged at-cost-to-Contractor \$0.56/mile
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Mileage rates are subject to change based on standard IRS mileage rate for compensation. Hotel and airfare costs are not a part of this contract.

- B. As reflected in **EXHIBIT A** of this Agreement, 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 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 receipt of correct and complete invoices or claims from CONTRACTOR.

CONTRACTOR shall not commence work unless and until the COUNTY Designated Representative issues a Notice to Proceed. A Notice to Proceed shall be issued by the COUNTY Designated Representative at the beginning of each fiscal year for the project activities that are known or anticipated to occur during that timeframe, based upon projections developed between Energy, Minerals & Compliance Division staff and the Contractor.

- E. 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.

## EXHIBIT C

### Indemnification and Insurance Requirements (For Professional Contracts)

#### INDEMNIFICATION

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. CONTRACTOR's indemnification obligation applies to COUNTY's active as well as passive negligence but does not apply to COUNTY's sole negligence or willful misconduct.

#### NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

CONTRACTOR shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

#### INSURANCE

CONTRACTOR shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the CONTRACTOR, his agents, representatives, employees or subcontractors.

##### A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

- 1. Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
- 2. Automobile Liability:** ISO Form Number CA 00 01 covering any auto (Code 1), or if CONTRACTOR has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.
- 3. Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- 4. Professional Liability (Errors and Omissions)** Insurance appropriate to the CONTRACTOR'S profession, with limit of no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the CONTRACTOR maintains higher limits than the minimums shown above, the COUNTY requires and shall be entitled to coverage for the higher limits maintained by the CONTRACTOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the COUNTY.

## B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – COUNTY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
2. **Primary Coverage** – For any claims related to this Agreement, the CONTRACTOR's insurance coverage shall be primary insurance as respects the COUNTY, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR's insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the COUNTY.
4. **Waiver of Subrogation Rights** – CONTRACTOR hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the COUNTY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions must be declared to and approved by the COUNTY. The COUNTY may require the CONTRACTOR to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – CONTRACTOR shall furnish the COUNTY with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the COUNTY before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the CONTRACTOR's obligation to provide them. The CONTRACTOR shall furnish evidence of renewal of coverage throughout the term of the Agreement. The COUNTY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.
9. **Subcontractors** – CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and CONTRACTOR shall ensure that COUNTY is an additional insured on insurance required from subcontractors.

**10. Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:

- i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
- ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
- iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONTRACTOR must purchase “extended reporting” coverage for a minimum of five (5) years after completion of contract work.

**11. Special Risks or Circumstances** – COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.

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**SANTA BARBARA COUNTY  
PLANNING & DEVELOPMENT DEPARTMENT  
INTEGRATED ENVIRONMENTAL QUALITY ASSURANCE PROGRAM**



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**TECHNICAL PROPOSAL**

Submitted to  
**Santa Barbara County  
Energy & Minerals Division**  
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Santa Barbara, CA 93101

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Submitted on April 2, 2021



# TECHNICAL PROPOSAL

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## **1.0 Introduction and Summary**

The Energy, Minerals, and Compliance Division of the Santa Barbara County (County) Planning and Development Department (P&D) has requested assistance with coordination and management of the Integrated Environmental Quality Assurance Program (EQAP) for Oil, Gas, and Renewable Energy (i.e., solar and wind) 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, Minerals, & Compliance 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.

Storrer Environmental Services, LLC (SES) is uniquely qualified to manage the Integrated EQAP for Energy 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 35 years of first-hand experience in the practical application of environmental mitigation for the specific projects encompassed by the Integrated EQAP. SES has managed more than a dozen prior or current permit compliance monitoring programs for large-scale development projects in Santa Barbara County from 1986 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, Minerals, and Compliance 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, Minerals, and Compliance 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.

## **2.0 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, gas, solar, and wind projects.
- Understanding of each project’s permits and monitoring requirements.
- Responsiveness to specific needs of Energy, Minerals, and Compliance Division staff.
- Adaptability to changes in construction and operations schedules.
- Management skills necessary to make efficient staff assignments.
- Ability to interface between Energy, Minerals, and Compliance 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, Minerals, and Compliance 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 energy development projects. Each team member has extensive professional experience in Santa Barbara County and understands the technical and environmental intricacies associated with oil, gas, and renewable energy 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, Minerals, and Compliance Division staff; Documentation; Redirection of Work; and Field Changes. These program elements are the essential responsibilities of the EQAP Onsite Environmental Coordinator (OEC), 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, Minerals, and Compliance Division staff is best accomplished through verbal (telephone) or electronic (e-mail) briefings following site visits. EQAP Inspection Reports, 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. The level of EQAP field representation will be in part determined by the breadth of the applicant's compliance monitoring team. This system will provide for the appropriate level of third-party 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/abandonment efforts (e.g., Strauss Wind Energy, Freeport-McMoRan (Chevron) Point Arguello/Gaviota Abandonment, Plains Pipeline Replacement) were developed through a review of expected duration, scope, and specific mitigation/monitoring requirements for 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. This task more typically entails review of restoration progress reports prepared by industry consultants. 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 Jessica Peak, with extensive experience in design, implementation, and follow-up monitoring of revegetation programs in the Santa Barbara Region. Justine Cooper is a Qualified SWPPP Practitioner and has substantial experience with inspection and evaluation of drainage and erosion control systems.

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 cultural resources, geology, and biology is necessary from a management perspective. The proposed EQAP team offers special expertise in biology (including botany, restoration, terrestrial and aquatic vertebrates, and marine mammals), geology, and archaeology. 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 the 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 35 years of administering the Integrated EQAP. Additional services may be requested by Energy, Minerals, and Compliance 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, Minerals, and Compliance 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, H<sub>2</sub>S safety, HAZWOPER certification) and adequate staffing essential to this task. The level of redundancy at the PM/OEC and OEC positions will guarantee sufficient, qualified field representation during and/or following emergency events. 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, Minerals, and Compliance 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.

SES was thoroughly embedded in the response for the Refugio Oil Spill in 2015. We provided input on spill response strategy and logistics and participated in survey and sampling employed to direct the cleanup effort and evaluate effects of the spill. This required coordination with multiple agencies at the local, state, and federal level, including the U.S. Coast Guard and CDFW Office of Spill Prevention and Response.

*Task 5: Periodic Inspections of Facilities*

Periodic inspections of the facility sites (Task 5) will continue to provide the basis for the EQAP compliance tracking system for larger scale production projects, 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 weekly or monthly site visits.

To further maximize efficiency, facilities inspections will be approached geographically, consistent with the Energy, Minerals, and Compliance 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 LFC and Plains Pipeline, L. P. 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. It should be noted that production by some of the major operators (e.g., Freeport-McMoRan Gaviota/Point Arguello, ExxonMobil LFC, Venoco Ellwood, Plains Pipeline) have been curtailed since the 2015 Refugio Spill. This incident, in addition to the current Covid-19 protocols have substantially reduced the frequency of and need for facilities inspections.

#### *Task 6: Reporting to Energy Division*

Documentation and reporting (Task 6) are principal features of the EQAP. Regular reporting to the Energy, Minerals, and Compliance 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, EQAP Inspection 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 reporting responsibilities outlined on Pages 8 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, Minerals, and Compliance 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 mitigation plans). 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. As an example, SES was integral to the CEQA process for the Strauss Wind Energy Project.

*Task 8: Background Review and Mobilization*

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

**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 five-year period of performance.

The operations projects (e.g., Exxon/Mobil LFC, Plains Pipeline LP, Freeport-McMoRan Point Arguello, Phillips 66 Sisquoc and Point Pedernales, Freeport-McMoRan Point Pedernales, Cuyama Solar) 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 shorter-term basis (e.g., Strauss Wind Energy, SoCal Gas Line 80 Replacement, Plains Pipeline Replacement). Some of the abandonment projects listed in Attachment A of the RFP (e.g., Arco Dos Pueblos Pipeline Abandonment) warrant a narrower scope of work. Others (e.g., Shell Hercules, Gaviota Terminal Abandonment) are in the restoration phase, which involves primarily Task 2. Work programs for the Strauss Wind Energy and Plains Pipeline Replacement Projects reflect an emphasis on the development phase (Tasks 1 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, Minerals, and Compliance Division Staff, as additional details regarding scope and timing become available.

No hours have been budgeted for Task 4 (Emergency Field Monitoring) because of its unpredictability. Task 8 (Mobilization) is not necessary because of our familiarity with the EQAP. For certain projects, it is assumed that OECs will provide a major portion of the monitoring effort for Tasks 1, 5, and 6. The majority of participation by Environmental Specialists (ESs) will be at the request of Energy, Minerals, and Compliance Division 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.



### **3.0 Outline and Format for Reporting to Energy, Minerals, and Compliance Division**

Reporting serves two main functions: to keep Energy, Minerals, and Compliance 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, video); briefings for Energy, Minerals, and Compliance Division staff (either in person, via e-mail correspondence, or by telephone); EQAP Inspection Reports, and an annual report. These sources of documentation and the reporting system to be used in conveying information to the Energy, Minerals, and Compliance 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 Energy, Minerals, and Compliance Division staff. Field notes will summarize observations and discussions that take place during site inspections and will provide the basis for EQAP Inspection Reports. EQAP Inspection Reports 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, Minerals, and Compliance 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 discussions.

Photographs and video documentation (the latter, if specifically requested) will be taken during site inspections and field surveys. Digital photographs will accompany the EQAP Inspection Reports. Photographs and video documentation may also be submitted with periodic progress reports or other written memoranda as a visual aid to Energy, Minerals, and Compliance 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 Project Planners. This will be accomplished largely through telephone briefings, e-mail correspondence following site inspections, and meetings with Energy, Minerals, and Compliance 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, Minerals, and Compliance Division staff.

The frequency of communications and meetings with Energy, Minerals, and Compliance 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 Project 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, Minerals, and Compliance 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.

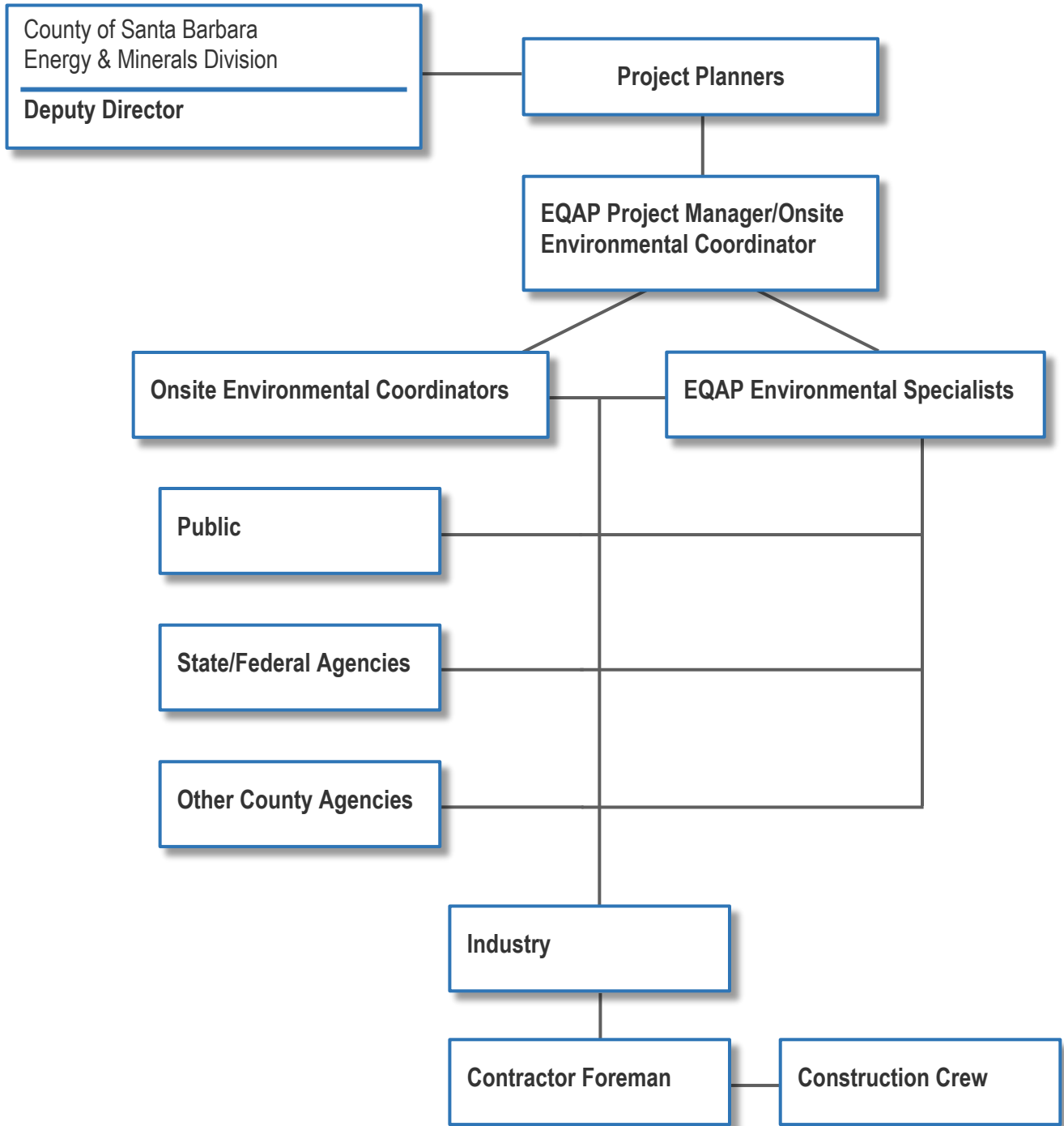
### **E. Annual Revegetation Progress Reports**

Some of the projects, in particular those with conditions for pipeline revegetation, special-status species and sensitive habitat restoration (e.g., riparian crossings, Gaviota tarplant, native grasslands), and facilities landscaping require annual revegetation assessments and reporting. In most cases, the required reports are prepared by industry consultants and submitted to the Energy, Minerals, and Compliance Division for review.

## **4.0 Program Management**

### **A. Field Monitoring Team**

The EQAP will be administered by a team of experienced environmental professionals consisting of a Project Manager (PM), Onsite Environmental Coordinators (OECs), 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 serves a dual role in project management and as an OEC. Designated OECs will perform the majority of routine compliance monitoring tasks. OECs will participate with each aspect of the program and will be available to fill the role of PM, at such time that the PM is unavailable.



**Figure 1**  
**Integrated EQAP Communication Structure**  
 Santa Barbara County Permit Compliance Program

ESs will provide expertise in their particular disciplines, as determined necessary by the Energy, Minerals, and Compliance Division 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, Minerals, and Compliance Division, and industry representatives. In addition to management duties, the PM and will perform the site inspections and will be the primary author of the annual status report. The PM may also function as OEC 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) 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 EQAP Inspection 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.

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, Minerals, and Compliance Division staff 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 Freeport-McMoRan and Phillips 66 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 (e.g., Strauss Wind Energy, Plains Pipeline Replacement). Additional services of ESs will be provided upon specific request from Energy, Minerals, and Compliance Division staff. A separate scope of work will be prepared for each task and will be subject to review and approval of the Energy, Minerals, and Compliance 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 OECs 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 typical these days, for applicants to hire consultants to monitor for compliance with biological and cultural resources permit conditions and mitigation plans. The EQAP provides essential third-party evaluation and review of the monitoring effort. 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. SES 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 Energy, Minerals, and Compliance Division Supervising Planner and Project 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, Minerals, and Compliance Division staff 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 will be copied on EQAP Inspection Reports, 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, Minerals, and Compliance Division.

**Table 1 – EQAP Staff Positions**

Staff Position	Personnel
Project Manager/Onsite Environmental Coordinator	John Storrer
Assistant Project Manager/Onsite Environmental Coordinator	Jessica Peak
Onsite Environmental Coordinators	Justine Cooper Peter Gaede Amelia Olson Thomas Olson
Environmental Specialists	Archaeology – Laurence Spanne Geology – Larry Gurrola Restoration – Jessica Peak Biology – John Storrer Jessica Peak Thomas Olson Justine Cooper

**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 and prior working relationships with both Energy, Minerals, and Compliance 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 add strength and dimension to the SES EQAP team.

Each of the EQAP staff members (OECs, and ESs) are employed by, or in the case of the Geological and Archaeological Specialists, work under subcontract agreements with SES. The ESs offer subcontract services to a varied clientele and are able to coordinate other project commitments with EQAP assignments. Letters of Commitment from subcontractors are included in the accompanying Hourly Estimate and Rate Proposal.

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

The PM (John Storrer) and APM (Jessica Peak) 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, 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. Mr. Storrer and/or Ms. Peak 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, Minerals, and Compliance 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 2) will be circulated to all Energy, Minerals, and Compliance Division staff and Project Planners.

### **E. Contingency Planning and Emergency Response**

The PM will be the primary contact point for Energy, Minerals, and Compliance 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 2. 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 OECs are 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.

Jessica Peak has been designated as APM, in addition to her role as OEC. Ms. Peak will be the primary backup to the PM in his absence. The proposed EQAP team includes a total of six OEC positions (including the PM). OECs will serve an important backup role in emergency situations when multiple field personnel might be required simultaneously, as previously described. This redundancy lends continuity to the project, enhances backup capabilities of the OECs, and facilitates emergency response.

On the rare occasion that both Mr. Storrer and Ms. Peak are unavailable, Justine Cooper or Thomas Olson 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, Minerals, and Compliance 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, Ms. Peak, and Ms. Cooper are located in Santa Barbara. Mr. Olson maintains a home office in Lompoc. Mr. Gaede also resides in Santa Barbara. 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 2 – EQAP Chain of Command Notification Procedure for Emergency Response**

Staff Position	Personnel
Project Manager/Onsite Environmental Coordinator	John Storrer
Assistant Project Manager/Onsite Environmental Coordinator	Jessica Peak
Onsite Environmental Coordinator	Peter Gaede Justine Cooper Thomas Olson Amelia Olson

Emergency Response Procedure:

1. Energy, Minerals, and Compliance 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, Minerals, and Compliance Division Project Manager contacts APM (Jessica Peak), who then deploys required EQAP staff.
3. PM or designee coordinates response with Energy, Minerals, and Compliance Division Supervising Planner and arranges staff assignments as necessary.
4. EMs and ESs may be used as backup to OEC position, if necessary.

**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 ESs include archaeology, geology (geotechnical evaluation and erosion control), biology (botany, revegetation, marine mammalogy, and terrestrial and aquatic zoology).

### *Management Background*

SES is an environmental consulting firm 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, and water quality on many prior occasions. These individuals were retained for large-scale environmental compliance monitoring and resource management/conservation planning projects.

The two ESs have been retained 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.

### *Relevant Experience with Similar Projects*

Mr. Storrer and Ms. Peak have extensive experience working on oil, gas, and renewable energy projects in the County and throughout California. Ms. Peak has acted as a project manager, field biologist, and environmental monitor on numerous large-scale oil and gas remediation projects (e.g., Chevron, EMC Guadalupe Dune Remediation and Restoration Project, Chevron EMC San Luis Obispo Tank Farm Remediation and Restoration Project), oil and gas facility upgrades (e.g., Plains Exploration and Production (PXP) Produced Water Reclamation Facility Subsequent EIR, San Ardo Oilfield Expansion, ExxonMobil Las Flores Canyon Emergency Road Repair Project), and wind farm and transmission line projects (e.g., Southern California Edison Santa Barbara County Reconductoring Project, Atascadero-San Luis Obispo 70 kV Reconductoring Project, City of Los Angeles Department of Water and Power (LADWP) Barren Ridge Renewable Transmission Project, Alta Wind Farm Project).

John Storrer's 40+ years of experience in the environmental field includes several positions as OEC for large-scale construction projects. Mr. Storrer has successfully managed seven EQAPs for the County P&D since July of 1994. These programs have required management of inter-disciplinary teams of resource specialists (e.g., archaeology, geology, biology, and water quality) 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, revisions to grading plans, and changes in the construction techniques and schedule.

Mr. Storrer has also managed ten prior or current Monitoring and Compliance Programs for large scale residential, commercial, and petroleum development projects for the City of Goleta. Each of these projects has involved coordination of field monitoring and inspections, document review, and interaction with other local, state and federal regulatory agencies.

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

- Management of the Santa Barbara County Integrated EQAP for Oil and Gas Projects since July of 1994. The program has encompassed all aspects of permit compliance monitoring described in the RFP.
- Management of the Monitoring and Compliance Program for the Bluffs at Sandpiper Residential Development Project for the City of Goleta from October of 2005 through February of 2014. The project entailed field compliance monitoring, survey, and peer review during all phases of project development.
- Management of the EQAP for the Level (3) Communications Project in Coastal Santa Barbara County, from June of 2000 through June of 2002.. The project involved installation of 70 miles of fiber optic innerduct. Mr. Storrer oversaw 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, he provided technical review of documents submitted by the project applicant.
- 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.
- Management of the EQAP for the Chevron Point Arguello Project, from June of 1986 to July of 1994. 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; as such, 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.

- Project Manager/OEC for the All American (Celeron) Pipeline Project from 1988 to 1994. Mr. Storrer 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 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 Final Development Plan (FDP) conditions and evaluate effectiveness of the various mitigation programs.
- Project Manager/OEC during construction of the Unocal Sisquoc Pipeline Project east of Santa Maria in 1992. 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.
- Project Manager/OEC of the Gaviota Interim Marine Terminal Project during the year-long construction phase of the project in 1987-88, which consisted of a retrofitting of the marine tankering and crude oil storage facility at Gaviota. 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 the County, in particular the Energy, Minerals, and Compliance 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 40 years of local experience in the environmental field includes seven positions as OEC and Project Manager for large-scale construction projects for the County. He has managed the County's Integrated EQAP for Oil and Gas Projects for the past 35 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 100 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 Strauss Wind Energy Projects.

SES currently holds a Technical Services Contract Agreement with the County to provide technical assistance to P&D staff. In this capacity, Mr. Storrer 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, Minerals, and Compliance Division. Mr. Storrer's expertise in biological resources, restoration, and permit compliance issues have been a valuable asset to the County 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 projects. In managing several 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 the 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 Wildlife, California

Department of Parks and Recreation, U.S. Fish and Wildlife Service, and U. S. Army Corps of Engineers.

*Jessica Peak – Assistant Project Manager/Onsite Environmental Coordinator*

Ms. Peak is an ecologist with over 17 years of experience in the biological consulting field and botanical sciences. She holds a Bachelor's Degree in Botany and Environmental Biology from Humboldt State University and a Master's Degree in Conservation Biology from San Francisco State University. Ms. Peak has been a full-time project manager/biologist at SES for seven years. As APM, she has played an integral role in management and oversight of the energy projects for the existing Integrated EQAP contract.

Ms. Peak has evaluated the occurrence of, and impacts to, sensitive biological resources throughout California including San Mateo, Monterey, San Luis Obispo, Santa Barbara, Ventura, Kern, and Los Angeles counties. Her experience includes environmental compliance oversight and performing biological and botanical resources surveys such as focused surveys for rare, threatened, and/or endangered plant and wildlife species, restoration and mitigation monitoring, and wetland delineations. She has wide-ranging knowledge of California flora, is approved under Mr. Storrer's U.S. Fish and Wildlife Service (USFWS) Recovery Permit (TE-817397-6) to conduct surveys for California tiger salamander (*Ambystoma californiense*), and is also a USFWS-approved California red-legged frog (CRLF) monitor.

Ms. Peak has extensive experience with development and implementation of habitat restoration and mitigation plans, biological impact/constraints analyses for CEQA and NEPA related documents, and multi-agency interaction and permit preparation/facilitation (i.e., California Department of Fish and Game 1600 Streambed Alteration Agreements, U.S. Army Corps of Engineers 404 Permitting, Regional Water Quality Control Board Section 401 Water Quality Certifications, etc.).

Under the current Technical Services Contract Agreement with the County, Ms. Peak provides technical assistance to P&D staff and reviews applicant submittals concerning biological resources, restoration, and permit compliance. She is also on a team of jurisdictional waters/wetlands experts for the Department of Justice.

*Justine Cooper – Onsite Environmental Coordinator*

Justine Cooper has been a staff biologist with SES for six years. She holds a Bachelor's Degree in Aquatic Biology from U.C. Santa Barbara and has participated in surveys for state and/or federally listed amphibian species, including California tiger salamander and California red-legged frog. During her tenure with SES, she has performed all aspects of field monitoring and reporting under the County's Integrated EQAP. She is certified as a Qualified SWPPP Practitioner and makes regular inspections of construction sites for compliance with stormwater and erosion control plans and permits. Ms. Cooper has also assisted with restoration monitoring and general biological resources field surveys and assessments. She has managed several previous and current Monitoring and Compliance Programs for development projects permitted by the City of Goleta.

*Thomas Olson – Onsite Environmental Coordinator*

Mr. Olson is a wildlife biologist and project manager with more than 40 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 numerous EQAP projects including the following: Lompoc Oil and Gas Plant and Point Pedernales Pipelines, Phillips 66 Point Pedernales Pipelines and Orcutt Pump Station, Santa Maria Pump Station, and Sisquoc Pump Station.

*Peter Gaede – Onsite Environmental Coordinator*

Peter Gaede is a professional biologist, technical illustrator and a Research Associate at the Santa Barbara Museum of Natural History. He has extensive experience in the implementation of biological field studies, having conducted surveys for threatened and endangered wildlife species including the California tiger salamander, blunt-nosed leopard lizard, least Bell's vireo, and willow flycatcher. Mr. Gaede is a recognized authority on the status, distribution and identification of birds in California. He has worked with SES on several projects to determine status of the California tiger salamander in the Santa Rita Valley of Santa Barbara County. Additionally, he has served as a Biological Technician on a number of projects requiring surveys for birds, mammals, reptiles, and amphibians. Mr. Gaede currently serves as OEC for the County's current Integrated EQAP and has conducted compliance monitoring for various projects, including the Strauss Wind Energy Project, Venoco State Lease 421 Facilities, Venoco Line 96 Pipeline, and Platform Holly Power Cable Replacement Project.

*Amelia Olson – Onsite Environmental Coordinator*

Ms. Olson is a biological and field monitor with experience in Santa Barbara, San Luis Obispo, Monterey, San Benito, and Calaveras counties in California. She holds a Bachelor's Degree in Environmental, Technology & Policy and a Master's Degree in Applied Marine and Watershed Science, both from California State University Monterey Bay. She has worked with SES on several projects to determine status of the California tiger salamander in the Santa Rita Valley of Santa Barbara County. Additionally, she has served as a biological monitor on a number of projects requiring surveys and construction oversight for birds, mammals, reptiles, and amphibians. Ms. Olson is an OEC for the County's current Integrated EQAP and has conducted compliance monitoring for various energy projects, including the Strauss Wind Energy Project.

*Laurence Spanne – Archaeological Specialist*

Mr. Spanne has a Master's Degree in Cultural Anthropology from U.C. Santa Barbara (conferred 1971). He formerly served 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 40 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 (Celeron) 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 FDP 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 20 years. He provided technical review of cultural resources mitigation plans for the Strauss Wind Energy, Point Arguello/Gaviota, All American Pipeline, Unocal Cojo Marine Terminal Abandonment, and Molino Gas Projects.

*Larry Gurrola PhD., P.G., C.E.G. – Geological Specialist*

Dr. Gurrola has over 25 years of experience in the engineering geological consulting profession. His experience includes evaluating and mitigating geological hazards in Southern California including Santa Barbara, Ventura, and Los Angeles Counties. His technical experience encompasses landslide and debris/earth flow investigations, fault activity and rupture hazard evaluations, and a range of geotechnical investigations. Dr. Gurrola is acknowledged as an expert in regional geology, offering consulting services to a varied clientele. Dr. Gurrola is the Geological Specialist for the County's current Integrated EQAP, for which he conducts an annual geohazards survey and evaluation of the Point Pedernales pipeline right-of-way and reviews groundwater production reports for construction of the Strauss Wind Energy Project.

## **APPENDIX A**

### **ANTICIPATED LEVEL OF EFFORT FOR INDIVIDUAL PROJECTS**

**(JULY 1, 2021 THROUGH JUNE 30, 2026)**

ARCO Dos Pueblos Facility and Pipeline Abandonment Project .....	A-1
Cuyama Solar Array Compliance .....	A-2
Exxon/Mobil Las Flores Canyon Oil and Gas Processing Facility Compliance .....	A-3
Freeport-McMoRan (Point Arguello Unit) GOHM and Pipelines .....	A-5
Freeport-McMoRan Point Pedernales Pipeline and Lompoc Oil & Gas Plant.....	A-7
Gaviota Terminal Abandonment .....	A-9
PCEC Orcutt Hill Seep Can Management and Restoration.....	A-11
Phillips 66 Point Pedernales Pipeline and Orcutt Pump Station.....	A-12
Phillips 66 Sisquoc Pipeline and Santa Maria Pump Station.....	A-14
Plains Pipeline, LP Compliance.....	A-15
SoCal Gas Line 80 Abandonment .....	A-17
Shell Hercules Gas Plant Abandonment.....	A-18
Strauss Wind Energy Project .....	A-19
Venoco Line 96 Pipeline Compliance .....	A-21

## ARCO Dos Pueblos Facility and Pipeline Abandonment Project

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

#### Dos Pueblos Abandonment – Phase 1(c) Soil Remediation

Assume two site visits per year for soil sampling and remediation relative to Phase 1(c) abandonment, four hours per site visit. Subtotal = 40 hours.

### **Task 2: Revegetation and Erosion Control Monitoring**

Revegetation of the pipeline right-of-way has achieved full satisfaction of permit requirements.

### **Task 3: Special Mitigation**

Four hours per year are budgeted for review of project submittals. Subtotal = 20 hours.

### **Task 5: Facilities Inspections**

Task 5 does not apply to the Arco Dos Pueblos Abandonment Project.

### **Task 6: Reporting**

Preparation of inspection report following each inspection, one-half hour per report. Eight hours per year for project management, review of correspondence, briefings for Energy & Minerals Division staff. Subtotal = 40 hours for the PM/OEC, 5 hours for the OEC.

### **Task 7: CEQA/Compliance Plan Review**

No hours are budgeted for Task 7.

### **Anticipated Level of Effort (Hours) 2021-26**

#### **ARCO Dos Pueblos Facility and Pipeline Abandonment Project**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	20	-	20	-	40	-	80
OEC	20	-	-	-	5	-	25
<b>Total</b>	40	-	20	-	45	-	<b>105</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

### **Estimated Direct Costs**

\*Mileage: 10 site visits x 25 miles/visit @ \$0.56     \$140.00

\*Mileage estimates are based on distance from Santa Barbara to the job site. Mileage will be charged at rate allowed by IRS (currently \$0.56).



## Cuyama Solar Array Compliance

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

The construction phase of the project has been completed.

### **Task 2: Revegetation and Erosion Control Monitoring**

Task 2 is not relevant to the project.

### **Task 3: Special Mitigation**

Twelve hours per year are budgeted for review of project submittals. These include results of biological surveys and maintenance records required by CUP Conditions of Approval. Subtotal = 30 hours for the PM/OEC, 30 hours for the OEC.

### **Task 5: Facilities Inspections**

Two site inspections per year are budgeted for facilities inspections, as necessary to document compliance with ongoing mitigation and monitoring plans (e.g., “Integrated Weed Management Plan”, “Avian and Bat Monitoring Plan”). Eight hours per site inspection. Subtotal = 80 hours for the OEC.

### **Task 6: Reporting**

EQAP Inspection Reports will be transmitted via e-mail following each site inspection; one-half hour per report for preparation. Four hours annually for the PM/OEC for project management, review of correspondence, status reports following site inspections, and briefings for Energy & Minerals Division staff. Subtotal = 20 hours for the PM/OEC, 5 hours for the OEC.

### **Task 7: CEQA Review**

No effort is anticipated for Task 7. The CEQA process has been completed.

### **Anticipated Level of Effort (Hours) for 2021-26**

#### **Cuyama Solar Array Compliance**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	<b>Total</b>
PM/OEC	-	-	30	-	20	-	50
OEC	-	-	30	80	5	-	115
<b>Total</b>	-	-	60	80	25	-	<b>165</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

### **Estimated Direct Costs**

\*Mileage: 10 site visits x 270 miles/visits @ \$0.56    \$1,512.00

\*Mileage estimates are based on distance from Santa Barbara to the facility site. Mileage will be charged at rate allowed by IRS (currently \$0.56).

## **Exxon/Mobil Las Flores Canyon Oil and Gas Processing Facility Compliance**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

Sixteen hours annually (4 hours per inspection) are budgeted for monitoring miscellaneous repair and maintenance tasks (e.g., Water Well 11P electrical line replacement). Subtotal = 80 hours for the OEC.

### **Task 2: Revegetation and Erosion Control Monitoring**

Annual review of Venadito Canyon Culvert Repair Revegetation Progress Report. The restoration project is in its fourth year and is expected to satisfy program objectives by Year 5 (2022). Eight hours are budgeted for inspection and review of one annual progress report. Subtotal = 8 hours for the RES.

### **Task 3: Special Mitigation**

Assume eight hours annually for review and coordination of issues such as vegetation (fuel) management, sensitive species management, and review of periodic biological survey results. Eight hours annually for the Archaeological Environmental Specialist for review of cultural resource issues. Subtotal = 40 hours for PM/OEC; 40 hours for ARES.

### **Task 5: Facilities Inspections**

The facility is currently in idle mode. However, 6 inspections per year, 3 hours per inspection are budgeted, in the event that production resumes and transportation by truck or pipeline becomes a reality. Subtotal = 90 hours for the OEC.

### **Task 6: Reporting**

Two hours per month are budgeted for project management, review of correspondence, periodic status reports, communication with project participants, and briefings for Energy & Minerals Division staff, with the assumption that LFC resumes operation. Inspection Reports to be filed via email following each site inspection, one-half hour per report. Subtotal = 120 hours for the PM/OEC, 25 hours for OEC.

### **Task 7: CEQA Review**

No effort is anticipated for Task 7.

**Anticipated Level of Effort (Hours) for 2021-26**  
**Exxon/Mobil Las Flores Canyon Oil and Gas Processing Facility Compliance**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	40	-	120	-	160
OEC	80	-	-	90	25	-	195
RES	-	8	-	-	-	-	8
ARES		-	40	-	-	-	40
<b>Total</b>	80	8	80	90	145	-	<b>403</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Archaeological Environmental Specialist (ARES)

Restoration Environmental Specialist (RES)

**Estimated Direct Costs**

\*Mileage: 50 site visits x 45 miles/visit @ \$0.56     \$1,260.00

\*Mileage estimates are based on distance from Santa Barbara to the facility site. Mileage will be charged at rate allowed by IRS (currently \$0.56).

## **Freeport-McMoRan (Point Arguello Unit) GOHM and Pipelines**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

Chevron may be submitting an application for abandonment of their onshore transportation pipelines and remaining production facilities at Gaviota. Because a project description has not been finalized, the scope and duration of the decommissioning process is speculative. Assume that above-ground equipment related to pipeline operations will be removed, including the valve vaults

Assume decommissioning of the pipelines will entail leaving most segments in-situ, with some (e.g., those beneath creeks and roads) to be filled with grout. Pipeline decommissioning will take 6 months (24 weeks) to complete. Full decommissioning and site restoration of the Gaviota facility is likely to take 2 years.

Inspections of pipeline decommissioning will be done three times per week, 6 hours per inspection. Subtotal = 432 hours for the OEC during pipeline decommissioning. Weekly inspections of 3 hours each will be conducted during decommissioning and restoration of the Gaviota facility. Subtotal = 312 hours for the OEC.

### **Task 2: Revegetation Monitoring**

Restoration is likely to be required at valve vault sites and locations excavated for grout injection. Because the scope and timing of the project is so speculative, no hours are budgeted for revegetation monitoring.

### **Task 3: Special Mitigation**

Forty hours each for the PM/OEC and Archaeological Specialist are budgeted for review of miscellaneous project submittals related to decommissioning of the facilities. Twenty-four hours are budgeted for the Geological Specialist. Subtotal = 40 hours for the PM/OEC, 40 hours for the AES and 24 hours for the GES.

### **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, communication with project participants, and briefings for Energy & Minerals Division staff. Assume one-half hour per inspection report for the OEC following each inspection. Eight hours per week for the PM/OEC during pipeline abandonment, 8 hours per month during plant decommissioning. Subtotal = 384 hours for the PM/OEC, 88 hours for the OEC.

### **Task 7: CEQA Review**

Assistance with the CEQA process may entail review of project plans and sections of draft documents (e.g., Supplemental EIR). Hours are budgeted for the PM/OEC, Archaeological

Specialist, and Geological Specialist. Subtotal = 80 hours for the PM/OEC, 80 hours for the Archaeological Specialist, and 40 hours for the Geological Specialist.

**Tentative Level of Effort (Hours) for 2021-26  
Freeport-McMoRan (Point Arguello Unit) GOHM and Pipelines**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	44	-	40	-	384	80	548
OEC	700	-	-	-	88	-	788
ARES		-	40	-		80	120
GES	-	-	24	-		40	64
Total	744	-	104	-	472	200	<b>1,520</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Archaeological Environmental Specialist (ARES)  
 Geological Environmental Specialist (GES)

**Estimated Direct Costs**

\*Mileage:

104 plant inspections x 60 miles/inspection @ \$0.56	\$3,494.00
72 inspections of the pipeline ROW x 100 miles/inspection	<u>4,032.00</u>
Subtotal Direct Costs	\$7,526.00

\*Mileage estimates are based on distance from Santa Barbara to the pipeline ROW or facility site. Mileage reimbursement will be charged at rate allowed by the IRS (currently \$0.56).

## **Freeport-McMoRan Point Pedernales Pipeline and Lompoc Oil & Gas Plant**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **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 inspections per year (4 hours per inspection) to the LOGP and/or pipeline ROW for erosion repairs, pipeline (anomaly) excavations, and other maintenance activity. Subtotal = 80 hours for the OEC.

### **Task 2: Revegetation Monitoring**

#### Oversight Monitoring of Revegetation and Facility Landscape Programs

Estimate two site visits annually for Modified Tree Replacement Program and LOGP Landscape Program (includes coordination with Freeport-McMoRan compliance/restoration personnel, inspection of tree plantings and maintenance techniques); 6 hours per inspection. Subtotal = 60 hours for the RES.

#### Review of Progress Reports, Plans, and Memoranda

Assume 8 hours annually for review of progress reports and other submittals related to restoration. Subtotal = 40 hours for the RES.

### **Task 3: Special Mitigation**

Seventy-five hours are budgeted for each Annual Geohazards Investigation (FDP Condition D-2) field survey and report preparation. Subtotal = 375 hours for the GES.

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

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

### **Task 5: Facilities Inspections**

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

### **Task 6: Reporting**

EQAP Inspection Reports will be transmitted via e-mail following each site inspection; one-half hour per report for preparation. This task also includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy & Minerals Division staff. Two hours per month for the PM/OEC. Subtotal = 45 hours for the OEC; 120 hours for the PM/OEC.

**Task 7: CEQA Review**

No hours are budgeted for Task 7.

**Anticipated Level of Effort (Hours) for 2021-26**

**Freeport-McMoRan Point Pedernales Pipeline and Lompoc Oil & Gas Plant**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	40	-	120	-	160
OEC	80	-	-	120	45	-	245
GES	-	-	415	-	-	-	415
RES	-	100	-	-	-	-	100
<b>Total</b>	80	100	455	120	165	-	<b>920</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Geological Environmental Specialist (GES)

Restoration Environmental Specialist (RES)

**Estimated Direct Costs**

\*Mileage: 80 site visits x 30 miles/visit @ \$0.56 \$1,344.00

Annual Geohazards Investigation 1,350 miles @ \$0.56 \$756.00

Subtotal Direct Costs \$2,100.00

\*Mileage estimates for facility inspections are based on distance from Lompoc to the facility site. Mileage will be charged at the rate allowed by the IRS (currently \$0.56).

## Gaviota Terminal Abandonment

**(JULY 1, 2021 - JUNE 30, 2026)**

### Task 1: Field Monitoring of Construction and Abandonment Projects

Decommissioning and soil remediation have been completed.

### Task 2: Revegetation Monitoring

Assume two site inspections per year to assess revegetation progress, 3 hours per inspection. Eight hours each for review of annual revegetation progress reports. Subtotal = 70 hours for the RES.

### Task 3: Special Mitigation

Eight hours each are budgeted for review of final plans and documents by the PM/OEC, EQAP Archaeological Specialist, and EQAP Geological Specialist. Subtotal for PM/OEC = 8 hours; Environmental Specialists = 16 hours.

### Task 5: Facilities Inspections

No hours are budgeted for Task 5.

### Task 6: Reporting

This task includes project management, review of correspondence, status reports, communications, and briefings for Energy & Minerals Division staff. Eight hours annually for administration by the PM/OEC. Subtotal = 40 hours for the PM/OEC.

### Task 7: CEQA/Compliance Plan Review

The CEQA process has been completed.

### Anticipated Effort (Hours) for 2021-26

#### Gaviota Terminal Abandonment

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	8	-	40	-	48
OEC	-	-	-	-	-	-	-
RES	-	70	8	-	-	-	78
ARES	-	-	8	-	-	-	8
GES	-	-	8	-	-	-	8
<b>Total</b>	-	70	32	-	40	-	<b>142</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Restoration Environmental Specialist (RES)

Archeological Environmental Specialist (ARES)

Geological Environmental Specialist (GES)



**Estimated Direct Costs**

\*Mileage: 10 site visits x 60 miles/visit @ \$0.56      \$336.00

\*Mileage estimates are based on distance from Santa Barbara to the job site. Mileage will be charged at rate allowed by IRS (currently \$0.56).

## PCEC Orcutt Hill Seep Can Management and Restoration

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

Surface expressions of crude oil cannot be precisely predicted. Hours are budgeted under Task 5 for periodic inspection of seep cans and associated restoration efforts.

### **Task 2: Revegetation Monitoring**

Sixteen hours annually are budgeted for review of revegetation progress reports (i.e., seep can management/restoration and Newlove habitat restoration). Subtotal = 80 hours for the RES.

### **Task 3: Special Mitigation**

No hours are budgeted under Task 3.

### **Task 5: Facilities Inspections**

Two site inspections per year to assess seep can management and revegetation progress, six 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 & Minerals Division staff. Eight hours annually are budgeted for project management. Subtotal = 40 hours.

### **Task 7: CEQA Review**

The environmental document for the production plan has been completed. No hours are budgeted.

### **Anticipated Level of Effort (hours) for 2021-26**

#### **PCEC Orcutt Hill Seep Can Management & Restoration**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
<b>PM/OEC</b>	-	-	-	-	40	-	40
<b>OEC</b>	-	-	-	-	-	-	-
<b>RES</b>	-	80	-	60	-	-	140
<b>Total</b>	-	80	-	60	40	-	<b>180</b>

Project Manager/Onsite Environmental Coordinator (OEC)

Onsite Environmental Coordinator (OEC)

Restoration Environmental Specialist (RES)

### **Estimated Direct Costs**

\*Mileage: 10 site visits x 150 miles/visit @ \$0.56      \$840.00

\*Mileage estimates are based on distance from Santa Barbara to the facility site. Mileage will be charged at the rate allowed by the IRS (currently \$0.56).

## **Phillips 66 Point Pedernales Pipeline and Orcutt Pump Station**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

#### Miscellaneous Erosion Repair and Maintenance on Pipeline ROW

Assume four inspections of the pipeline ROW annually to monitor pipeline maintenance and erosion repairs, 4 hours per site inspection. Subtotal = 80 hours for the OEC.

### **Task 2: Revegetation Monitoring**

#### Oversight Monitoring of Landscape and Restoration Projects

Oversight of Orcutt Pump Station (OPS) landscaping program will be done concurrent with facility inspections budgeted under Task 5.

#### Review of Progress Reports, Plans, and Memoranda

Assume 8 hours annually for review of progress reports and other submittals related to restoration (includes review of OPS landscape progress reports submitted by Phillips 66's consultants). Subtotal = 40 hours for the RES.

### **Task 3: Special Mitigation**

Forty-five hours are budgeted for each Annual Geohazards Investigation (FDP Condition D-2) field survey and report preparation. Subtotal = 225 hours for the GES.

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

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

### **Task 5: Facilities Inspections**

Six site visits annually to Orcutt Pump Station, two hours per inspection. Subtotal = 60 hours for the OEC.

### **Task 6: Reporting**

EQAP Inspection Reports will be transmitted via e-mail following each site inspection; one-half hour per report for preparation. This task includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy & Minerals Division staff. Eight hours per year for administration for the PM/OEC, 25 hours for the OEC. Subtotal = 40 hours for the PM/OEC, 25 hours for the OEC.

### **Task 7: CEQA Review**

No work anticipated for this task.

**Anticipated Level of Effort for 2021-26**  
**Phillips 66 Point Pedernales Pipeline and Orcutt Pump Station**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	40	-	40	-	80
OEC	80	-	-	60	25	-	165
RES	-	40	-	-	-	-	40
GES	-	-	265	-	-	-	265
<b>Total</b>	80	40	305	60	65	-	<b>550</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Restoration Environmental Specialist (RES)

Geological Environmental Specialist (GES)

**Estimated Direct Costs**

\*Mileage: 50 inspections x 40 miles/inspection @ \$0.56                      \$1,120.00

Annual Geohazards Investigation 1,350 miles @ \$0.56                      \$756.00

Subtotal Direct Costs    \$1,876.00

\*Mileage estimates for facility inspections are based on distance from Lompoc to the facility site. Mileage reimbursement will be at the rate allowed by the IRS (currently \$0.56).

## Phillips 66 Sisquoc Pipeline and Santa Maria Pump Station

**(JULY 1, 2021 - JUNE 30, 2026)**

### Task 1: Field Monitoring of Construction and Abandonment Projects

Assume two inspections annually to the pipeline ROW to monitor pipeline maintenance and erosion repairs, 4 hours per site visit. Subtotal = 40 hours for the OEC.

### Task 2: Revegetation Monitoring

There is no ongoing restoration associated with Sisquoc Pipeline.

### Task 3: Special Mitigation

Four hours annually are budgeted for review of miscellaneous project submittals by the PM/OEC. Subtotal = 20 hours for the PM/OEC.

### Task 5: Facilities Inspections

Six site visits to Santa Maria Pump Station and/or Sisquoc Pump Station (meter station) per year, 2 hours per inspection. Subtotal = 60 hours for the OEC.

### Task 6: Reporting

EQAP Inspection Reports will be transmitted via e-mail following each site inspection; one-half hour per report for preparation. This task also includes project management, review of correspondence, periodic status reports, communications with project participants, and briefings for Energy & Minerals Division staff. Assume eight hours annually for the PM/OEC for project management. Subtotal = 40 hours for the PM/OEC, 20 hours for the OEC.

### Task 7: CEQA Review

No work anticipated for this task.

### Anticipated Level of Effort (Hours) for 2021-26

#### Phillips 66 Sisquoc Pipeline and Santa Maria Pump Station

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	20	-	40	-	60
OEC	40	-	-	60	20	-	120
<b>Total</b>	40	-	20	60	60	-	<b>180</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

### Estimated Direct Costs

\*Mileage: 40 site visits x 60 miles/visit @ \$0.56     \$1,344.00

\*Mileage estimates are based on distance from Santa Barbara to the pipeline ROW or facility site. Mileage will be charged at rate allowed by the IRS (currently \$0.56).

## **Plains Pipeline, LP Compliance**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

Timing of the project is highly speculative and is pending agency approval and permitting. Assume two years (104 weeks) of construction for replacement of the pipeline system.

Full-time field representation for one OEC (10 hours per day or 50 hours per week). Overtime 10 hours per week. Subtotal = 5,200 hours (1,040 hours of overtime).

Ten hours per week for PM/OEC. Subtotal = 1,040 hours.

### **Task 2: Revegetation Monitoring**

Hours are budgeted for oversight of initial revegetation treatments and review of periodic progress reports. Assume 2 years of restoration during the contract period. Subtotal = 120 hours for the RES.

### **Task 3: Special Mitigation**

Review of miscellaneous submittals relative to pipeline status (e.g., Cultural Resources Treatment Plan, Restoration Plan, Tree Replacement Plan). Subtotal = 120 hours for the Archaeological Specialist, 120 hours for the PM/OEC and 40 hours for the GES.

### **Task 5: Facilities Inspections**

No hours are budgeted for Task 5.

### **Task 6: Reporting**

Assume one-half hour for preparation of EQAP Inspection Reports by the OEC following each inspection. This task includes project management (scheduling and coordination), review of correspondence, communications with project participants, and briefings for Energy & Minerals Division staff. Eight hours per week for the PM/OEC. Subtotal = 832 hours for the PM/OEC, 260 hours for the OEC.

### **Task 7: CEQA Review**

Eighty hours each are budgeted for assistance and review of the EIR for the Pipeline Replacement Project for the PM/OEC and Archaeological Specialist. Subtotal = 80 hours for the PM/OEC, 8 hours for the ARES.

**Anticipated Level of Effort (Hours) for 2021-26  
Plains Pipeline, LP Compliance**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	<b>Total</b>
PM/OEC	1,040	-	120	-	832	80	2,072
OEC	5,200	-	-	-	260	-	5,460
ARES	-	-	120	-	-	80	200
GES	-	-	40		-	-	40
RES	-	120	-	-	-	-	120
<b>Total</b>	6,240	120	280	-	1,092	160	<b>7,892</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Archeological Environmental Specialist (ARES)

Geological Environmental Specialist (GES)

Restoration Environmental Specialist (RES)

**Estimated Direct Costs**

\*Mileage: 520 site visits x 200 miles/visit @ \$0.56/mile     \$58,240.00

\*Mileage estimates are based on distance from Santa Barbara to the pipeline ROW. Mileage will be charged at rate allowed by IRS (currently \$0.56).

## SoCal Gas Line 80 Abandonment

(JULY 1, 2021 - JUNE 30, 2026)

### Task 1: Field Monitoring of Construction and Abandonment Projects

Assume 3 months (12 weeks of construction), average of 3 inspections per week, 3 hours per inspection. Subtotal = 108 hours for the OEC.

### Task 2: Revegetation Monitoring

Eight hours per year for the EQAP Restoration Specialist to review progress reports and perform periodic inspections. Subtotal = 40 hours for the RES.

### Task 3: Special Mitigation

Sixteen hours each are budgeted for the PM/OEC and Archaeological Specials for review of miscellaneous project submittals. Subtotal = 8 hours for the PM/OEC, 8 hours for the ARES.

### Task 5: Facilities Inspections

No hours are budgeted for Task 5.

### Task 6: Reporting

Eight hours per month are budgeted for project management, review of correspondence, periodic status reports, communication with project participants, and briefings for Energy Division staff. One-half hour for preparation of EQAP Inspection Report following inspection. Subtotal = 24 hours for the PM/OEC, 18 hours for the OEC.

### Task 7: CEQA Review

The CEQA review process has been completed.

### Anticipated Level of Effort for 2021-26

#### SoCal Gas Line 80 Abandonment

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	8	-	24	-	32
OEC	108	-	-	-	18	-	126
RES	-	40	-	-	-	-	40
ARES	-	-	8	-	-	-	8
<b>Total</b>	108	40	16	-	42	-	<b>206</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Restoration Environmental Specialist (RES)

Archaeological Environmental Specialist (ARES)

### Estimated Direct Costs

\*Mileage: 36 site visits x 20 miles/visit @ \$0.56                      \$403.20

\*Mileage reimbursement to be charged at rate allowed by the IRS (currently \$0.56).



## Shell Hercules Gas Plant Abandonment

**(JULY 1, 2021 - JUNE 30, 2026)**

### Task 1: Field Monitoring of Construction and Abandonment Projects

Site remediation and initial restoration have been completed. No hours are budgeted for Task 1.

### Task 2: Revegetation Monitoring

The restoration program is in its fourth year since initial treatments were implemented. It is on-track to achieve project objectives in the anticipated time frame of 5 years. Hours are budgeted for the EQAP Restoration Specialist to review the annual (presumed final) progress report and perform periodic inspections. Subtotal = 24 hours for the RES.

### Task 3: Special Mitigation

No hours are anticipated under Task 3.

### Task 5: Facilities Inspections

No hours are budgeted under Task 5.

### Task 6: Reporting

This task includes project management, review of correspondence, status reports, communications, and briefings for Energy & Minerals Division staff. Sixteen hours for administration. Subtotal = 16 hours for the PM/OEC.

### Task 7: CEQA/Compliance Plan Review

No hours are budgeted for Task 7.

### Tentative Level of Effort (Hours) for 2021-26

#### Shell Hercules Gas Plant Abandonment

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	-	-	16	-	16
OEC	-	-	-	-	-	-	-
RES	-	24	-	-	-	-	24
<b>Total</b>	-	24	-	-	16	-	<b>40</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Restoration Environmental Specialist (RES)

### Estimated Direct Costs

\*Mileage: 4 site visits x 60 miles/visit @ \$0.56      \$135.00

\*Mileage estimates are based on distance from Santa Barbara to the job site. Mileage will be charged at rate allowed by the IRS (currently \$0.56).

## **Strauss Wind Energy Project**

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

#### Assumptions:

Eighteen months (72 weeks) of construction between July 1, 2021 and December 31, 2022.

Full-time field representation for 1 OEC (8 hours per day or 40 hours per week). Subtotal = 2,880 hours.

An additional, eight hours per week for PM/OEC inspections. Subtotal = 576 hours.

### **Task 2: Revegetation Monitoring**

Assume initial restoration begins immediately following construction. If some aspects of the restoration program are to be implemented before construction is finished, they will be tracked concurrent with the monitoring effort under Task 1. Restoration monitoring will extend through the term of the contract (42 months from initial restoration until the end of the contract). Qualitative assessment and oversight will be done concurrent with inspections conducted under Tasks 1 and 5. Forty hours for annual review of restoration progress reports by the EQAP Restoration Specialist. Subtotal = 200 hours for the RES.

### **Task 3: Special Mitigation**

Eight hours per week for review of project submittals during construction (e.g., plan revisions), for the PM/OEC. Eight hours per week for the Archaeological Specialist for review of project submittals (Phase 3 survey results, memoranda, progress reports, monitoring logs). Eight hours per month for Geological Specialist to review groundwater reports. Subtotal – 576 hours for the PM/OEC, 576 hours for the ARES, and 144 hours for the GES.

### **Task 5: Facilities Inspections**

Assuming that the wind farm is commissioned by January 1, 2023, the facility will be operating for 42 months for the term of the contract. Monthly inspections of 8 hours each will be conducted to document compliance with CUP Conditions of Approval. Inspections will include qualitative assessment of revegetation progress. Subtotal = 336 hours for the OEC or RES.

### **Task 6: Reporting**

This task includes project management (scheduling and coordination), review of correspondence, daily EQAP Inspection Reports (one-half hour per report), communications with project participants, and briefings for Energy & Minerals Division staff. Subtotal = 10 hours per week for the PM/OEC during construction and 10 hours per month during operation, 180 hours total for the OEC during construction, 20 during operation. Subtotal = 1,140 hours for the PM/OEC, 200 hours for the OEC.

### **Task 7: CEQA Review**

The CEQA process has been completed.

**Anticipated Level of Effort (Hours) for 2021-26  
Strauss Wind Energy Project**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	<b>Total</b>
PM/OEC	576	-	576	-	1,140	-	2,292
OEC	2,880	-		200	200	-	3,280
RES	-	200	-	136	-	-	336
ARES	-	-	576	-	-	-	576
GES	-	-	144	-	-	-	144
<b>Total</b>	<b>3,456</b>	<b>200</b>	<b>1,296</b>	<b>336</b>	<b>1,340</b>	<b>-</b>	<b>6,628</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

Restoration Environmental Specialist (RES)

Archeological Environmental Specialist (ARES)

Geological Environmental Specialist (GES)

**Estimated Direct Costs**

\*Mileage: 474 site visits x 140 miles/visit @ \$0.56/mile                      \$37,161.60

\*Mileage reimbursement to be charged at rate allowed by the IRS (currently \$0.56).

## Venoco Line 96 Pipeline Compliance

**(JULY 1, 2021 - JUNE 30, 2026)**

### **Task 1: Field Monitoring of Construction and Abandonment Projects**

No construction activity is anticipated. The pipeline is currently in idle mode.

### **Task 2: Revegetation Monitoring**

Pipeline revegetation has reached full compliance with performance standards.

### **Task 3: Special Mitigation**

Eight hours annually are budgeted for the PM/OEC for miscellaneous review of submittals for pipeline abandonment. Subtotal = 40 hours.

### **Task 5: Facilities Inspections**

Eight hours annually are budgeted for inspections relative to pipeline abandonment. Subtotal = 40 hours for the PM/OEC.

### **Task 6: Reporting**

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

### **Task 7: CEQA/Compliance Plan Review**

No hours are budgeted for Task 7.

### **Anticipated Effort (Hours) for 2021-26**

#### **Venoco Line 96 Pipeline Compliance**

	Task 1	Task 2	Task 3	Task 5	Task 6	Task 7	Total
PM/OEC	-	-	40	40	40	-	120
OEC	-	-	-	-	-	-	-
<b>Total</b>	-	-	40	40	40	-	<b>120</b>

Project Manager/Onsite Environmental Coordinator (PM/OEC)

Onsite Environmental Coordinator (OEC)

### **Estimated Direct Costs**

\*Mileage: 10 site visits x 40 miles/visit @ \$0.56     \$224.00

\*Mileage reimbursement will be charged at the rate allowed by the IRS (currently \$0.56)

**APPENDIX B**  
**RESUMES AND REFERENCES**



## **John Storrer**

### ***Project Manager/Environmental Coordinator***

John Storrer is owner and president of Storrer Environmental Services, LLC, a consulting firm specializing in biological surveys, 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.

### **EXPERTISE/PERMITS**

- Biological Resources Surveys
- Rare, Threatened, and Endangered Species Surveys
- Habitat Conservation Plans
- Environmental Permitting/Agency Coordination
- CEQA/NEPA Analyses
- Technical Writing
- California Department of Fish and Wildlife Scientific Collecting Permit (SC 3560)
- U.S. Fish and Wildlife Service Recovery Permit (TE-817397-6) to conduct surveys for California tiger salamander (*Ambystoma californiense*)

### **EDUCATION**

- B.A., Zoology, University of California, Santa Barbara, 1979

### **PROFESSIONAL PROFILE**

Mr. Storrer has worked as independent consultant for over forty 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 and western Santa Maria Valleys, Los Alamos Valley, and Solomon Hills. 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 and City of Goleta 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 has prepared two Habitat Conservation Plans for state and federally-listed amphibian species (California tiger salamander and California red-legged frog) in the Santa Barbara Region.

Mr. Storrer has managed the field and administrative aspects of six Environmental Quality Assurance Programs for the Santa Barbara County Planning and Development Department. He has managed ten prior or current Monitoring and Compliance Programs for the City of Goleta Planning and Environmental Review. As Environmental Coordinator for large development 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.

## **TRAINING**

- Declining Aquatic and Semi-aquatic Herps of the Central Coast Workshop, 2017
- California Tiger Salamander Workshop, Elkhorn Slough Coastal Training Program, April 2015
- California Division Occupational Safety and Health Administration (OSHA), 40-Hour Hazardous Waste Operations and Emergency Response Safety Training

## **REFERENCES**

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**REFERENCES CONTINUED**

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sweet@lifesci.ucsb.edu





## Jessica Peak

*Assistant Project Manager/  
Onsite Environmental Coordinator*

### EXPERTISE

- Biological and Botanical Resources Surveys
- Rare, Threatened, and Endangered Plant Surveys
- Wetland Delineations
- Site-Specific Mitigation and Restoration Plans
- Environmental Permitting/Agency Coordination
- CEQA/NEPA Analyses
- Noxious Weed and Invasive Plant Management/Monitoring
- Authorized under U.S. Fish and Wildlife Service Recovery Permit (TE-817397-3) to conduct surveys for California tiger salamander (*Ambystoma californiense*)
- Environmental Permit Compliance
- Technical Writing

### EDUCATION

- San Francisco State University: M.S. Conservation Biology, 2012
- Humboldt State University: B.S. Botany and Environmental Biology, 2003

### PROFESSIONAL HISTORY

- **Biologist/Botanist/Project Manager**, Storrer Environmental Services (SES), Santa Barbara, CA, 2014-Present
- **Botanist/Project Manager**, Garcia and Associates (GANDA), Auburn, CA, 2013-2014
- **Biologist/Project Manager**, Transcon Environmental, Inc., Berkeley, CA, 2012
- **Biologist/Project Manager**, Padre Associates, Inc. San Luis Obispo, CA, 2006-2011
- **General Botany Instructor**, College of San Mateo, San Mateo, CA, 2011
- **Graduate Teaching Assistant/Lab Instructor**, San Francisco State University, San Francisco, CA, 2009-2011
- **Botanist**, LBJ Enterprises, Arcata, CA, 2004-2006
- **Botanical Field Assistant**, Lake Tahoe Urban Biodiversity Project, University of Nevada, Reno, University of California, Davis, and U.S. Forest Service. South Lake Tahoe, CA, 2004
- **Intern/Greenhouse Assistant**, Humboldt State Biological Sciences Greenhouse. Arcata, CA, 2002-2003
- **Restoration Crew Intern**, California Tahoe Conservancy, South Lake Tahoe, CA, 1999

### PROFESSIONAL PROFILE

Ms. Peak is an ecologist with over 17 years of experience in the biological consulting field. Her expertise includes performing surveys for nesting birds, rare, threatened, and/or endangered plant and wildlife species, restoration and mitigation monitoring, and wetland delineations. Ms. Peak

regularly conducts field surveys for special-status wildlife common to the Central and South Coast of California such as California tiger salamander, California red-legged frog, western spadefoot, Northern California legless lizard, Blainville's (coast) horned lizard, southwestern pond turtle, two-striped gartersnake, Southern California steelhead, western snowy plover, burrowing owl, golden eagle, white-tailed kite, and American badger. She is authorized under U.S. Fish and Wildlife Service Recovery Permit (TE-817397-6) to conduct surveys for California tiger salamander (*Ambystoma californiense*).

Ms. Peak has extensive experience with development of site-specific mitigation strategies, multi-agency interaction, permit preparation/facilitation (i.e., California Department of Fish and Game 1600 Streambed Alteration Agreements, U.S. Army Corps of Engineers 404 Permitting, Regional Water Quality Control Board Section 401 Water Quality Certifications, etc.), and biological and construction monitoring activities including pre-construction biological surveys, and pre-construction worker environmental training sessions. Associated with these tasks she has prepared biological and botanical resources assessments, wetland delineation reports, constraints analyses, mitigation monitoring reports, site-specific mitigation and restoration plans including riparian, wetland, and rare plant restoration, construction monitoring plans, and has been involved in preparation of numerous environmental impact reports (EIR) with emphasis on biological resources. She has wide-ranging knowledge of California flora and is also on a team of jurisdictional waters/wetlands experts for the Department of Justice.

## **SELECTED PROJECT EXPERIENCE**

**Chevron, EMC Guadalupe Dune Remediation and Restoration Project, Santa Barbara County, CA.** Conducted wetland delineations, rare plant surveys, sensitive wildlife surveys (e.g., California red-legged frog, Northern California legless lizard, western snowy plover) pre-construction surveys, monitoring, and data collection for the 2,700-acre former Guadalupe Oil Field. Populations of 15 special-status plant species were observed, mapped, monitored, and flagged for avoidance during remediation and restoration efforts.

**ExxonMobil Las Flores Canyon Emergency Road Repair Project, Gaviota, CA.** Conducted protocol-level California red-legged frog surveys of Venadito Creek. During these surveys, adult California red-legged frogs were observed. Also conducted pre-activity surveys and performed appropriate worker orientations at the site.

**Former Shell Hercules Gas Plant Remediation Project.** Biological monitor responsible for permit compliance monitoring, nesting bird surveys, nest monitoring and nest log, surveys for state- and federally-listed species, capture and relocation of snakes and other wildlife, and restoration oversight.

**Southern California Edison (SCE), Santa Barbara County Reconductoring Project (SBCRP), Santa Barbara and Ventura Counties, CA.** Coordinated and led site-wide botanical inventory, including protocol-level special-status plant surveys and invasive plant surveys for reconstruction of an existing 66 kV transmission line and associated facilities. Work included rare plant, noxious weed, and invasive plant surveys, mapping, data collection, and reporting. Surveys focused on 49 special-status plant species having the potential to occur in the project area. Populations of eight special-status species, Plummer's baccharis (*Baccharis plummerae* ssp. *plummerae*), Catalina mariposa lily (*Calochortus catalinae*), Southern California black walnut

(*Juglans californica*), ocellated Humboldt lily (*Lilium humboldtii* ssp. *ocellatum*), Santa Barbara honeysuckle (*Lonicera subspicata* var. *subspicata*), Fish's milkwort (*Polygala cornuta* var. *fishae*), Nuttall's scrub oak (*Quercus dumosa*), and Hoffman's sanicle (*Sanicula hoffmannii*), were observed and mapped.

**Upland Surveys for California Tiger Salamander, AERA East Cat Canyon Oilfield Redevelopment Project and ExxonMobil Cal Lands Lease Remediation Project, Santa Maria Valleys and Solomon Hills, CA.** Assisted with installation, maintenance, and operation of upland drift fence system to determine presence/absence of state- and federally-listed California tiger salamander.

**County of Santa Barbara Public Works, Laguna County Sanitation District Habitat Conservation Plan, Santa Barbara County, CA.** Monitor burrow inspections performed prior to work in areas designated as occupied California tiger salamander and California red-legged frog habitat under Laguna County Sanitation District's Incident Take Permit (ITP TE16913C).

**Chevron EMC San Luis Obispo Tank Farm Remediation and Restoration Project, San Luis Obispo County, CA.** Led protocol-level rare plant surveys, habitat assessments, vegetation mapping, seed collection, wetland delineations, protocol-level CRLF surveys, and restoration design for the approximate 330-acre San Luis Obispo Tank Farm remediation and restoration project. Special-status species observed and mapped within the project area include Congdon's tarplant (*Centromadia parryi* ssp. *congdonii*), Hoover's button-celery (*Eryngium aristulatum* var. *hooveri*), Cambria morning-glory (*Calystegia subacaulis* ssp. *episcopalis*), San Luis Obispo owl's-clover (*Castilleja densiflora* var. *obispoensis*), purple needlegrass (*Stipa pulchra*), and Betty's dudleya (*Dudleya abramsii* ssp. *bettinae*).

## PROFESSIONAL AFFILIATES

- California Native Plant Society
- California Botanical Society
- California Society for Ecological Restoration

## TRAINING

- Declining Aquatic and Semi-aquatic Herps of the Central Coast Workshop, 2017
- California Tiger Salamander Workshop, Elkhorn Slough Coastal Training Program, April 2015
- California Red-legged Frog Natural History Training, Guadalupe Oil Field Restoration Project, Guadalupe, CA, 2012
- Jurisdictional Delineation of Waters of the U.S., Including Wetlands on the California Coast: Legal and Ecological Protocols for Diverse and Changing Landscapes (Assistant Instructor), Elkhorn Slough Coastal Training Program/Wetland Science Certification Program, 2008
- Alameda County Conservation Partnership Contra Costa Water District, Los Vaqueros Reservoir & Watershed Workshop on Biology and Management of the California red-legged frog, 2006

- Central Coast Regional Water Quality Control Board and California Department of Transportation Erosion and Sedimentation Control for Construction Projects Training Program, 2006
- California Division Occupational Safety and Health Administration (OSHA), 40-Hour Hazardous Waste Operations and Emergency Response Safety Training, 2006
- U.S. Army Corps of Engineers Wetland Delineation & Management Training Program, 2004

## **REFERENCES**

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Professor Emeritus  
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**Justine Cooper**  
*Onsite Environmental Coordinator*

**EXPERTISE**

- Biological Resources Surveys
- Special-status Wildlife Surveys
- Biological and Restoration Monitoring
- Environmental Compliance Monitoring
- Qualified Stormwater Pollution Prevention Plan (SWPPP) Practitioner (QSP)
- Technical Writing

**EDUCATION**

- B.S., Aquatic Biology, University of California, Santa Barbara, 2014

**PROFESSIONAL HISTORY**

- **Staff Biologist**, Storrer Environmental Services (SES), 2015 to present.
- **Monitoring and Compliance Environmental Coordinator** (City of Goleta, City of Santa Barbara), Storrer Environmental Services, 2015 to present
- **EQAP On-Site Environmental Coordinator** (County of Santa Barbara Energy & Minerals Division) Storrer Environmental Services, 2015 to present
- **Educator**, Santa Barbara Zoo, 2014-2015
- **PISCO Lab Intern**, University of California Santa Barbara, 2013-2014

**PROFESSIONAL PROFILE**

Ms. Cooper is an aquatic biologist with six years of experience in the environmental consulting field. Her experience has emphasized pre-construction nesting bird surveys, regulatory compliance monitoring, inspections, and reporting. Ms. Cooper regularly conducts surveys for special-status wildlife species, including California tiger salamander, California red-legged frog, western spadefoot, Northern California legless lizard, Blainville's (coast) horned lizard, southwestern pond turtle, two-striped gartersnake, Southern California steelhead, western snowy plover, burrowing owl, golden eagle, white-tailed kite, and American badger. Ms. Cooper also performs restoration monitoring, wetland delineations, and general biological resources field surveys and assessments.

**SELECTED PROJECT EXPERIENCE**

**Former Shell Hercules Gas Plant Remediation Project.** Biological monitor responsible for permit compliance monitoring, nesting bird surveys, nest monitoring and nest log, surveys for state- and federally-listed species, capture and relocation of snakes and other wildlife, and restoration oversight.

**Upland Surveys for California Tiger Salamander, AERA East Cat Canyon Oilfield Redevelopment Project and ExxonMobil Cal Lands Lease Remediation Project, Santa Maria Valleys and Solomon Hills, CA.** Assisted with installation, maintenance, and operation

of upland drift fence system to determine presence/absence of state- and federally-listed California tiger salamander. Frequently handled western spadefoot toad, salamanders, snakes, and other wildlife as part of drift net surveys.

**Pre-construction Diurnal and Nocturnal California Red-legged Frog Surveys and Biological Monitoring, Baron Ranch Bridge Installation Project, Santa Barbara County, CA.** Conducted daytime and nighttime surveys for California red-legged frog in Arroyo Quemado Creek. Adult California red-legged frogs were observed during nocturnal surveys. Conducted full-time biological monitoring during bridge installation.

**County of Santa Barbara Public Works, Laguna County Sanitation District Habitat Conservation Plan, Santa Barbara County, CA.** Monitor burrow inspections performed prior to work in areas designated as occupied California tiger salamander and California red-legged frog habitat under Laguna County Sanitation District's Incident Take Permit (ITP TE16913C).

**City of Santa Barbara Waterfront Department Sensitive Bird Species Surveys, Santa Barbara, CA.** Biological monitor responsible for pre-construction surveys for the state- and federally-listed western snowy plover and nesting birds.

**Emergency Shoreline Protection Project, Goleta Beach County Park, Santa Barbara County, CA.** Biological monitor responsible for permit compliance monitoring, nesting bird surveys, and surveys for the state- and federally-listed western snowy plover.

## **PROFESSIONAL AFFILIATES**

- Central Coast Wildlife Society

## **CERTIFICATES/TRAINING**

- Qualified Stormwater Pollution Prevention Plan (SWPPP) Practitioner (QSP), 2019
- California Tiger Salamander Terrestrial Ecology and Rare Pond Species Workshop, 2018
- Declining Aquatic and Semi-aquatic Herps of the Central Coast Workshop, 2017
- California Division Occupational Safety and Health Administration (OSHA), Hazardous Waste Operations and Emergency Response Safety Training, 2016
- Loss Prevention System Training Certification, 2015
- American Academy of Underwater Sciences SCUBA certified, 2013

## **REFERENCES**

Paul W. Collins  
Curator Emeritus  
Department of Vertebrate Zoology  
Santa Barbara Museum of Natural History  
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Aaron Marshall  
Director of Education  
Santa Barbara Zoo  
500 Ninos Drive  
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**Thomas E. Olson**  
*Onsite Environmental Coordinator*

**EXPERTISE**

- Biological Field Surveys and Report Preparation
- Permitting and Monitoring of Permit Terms and Conditions
- Endangered Species Consultation and Mitigation Planning
- U.S. Fish and Wildlife Service (USFWS) Recovery Permit (TE039460-3) to conduct surveys for California tiger salamander (*Ambystoma californiense*)

**EDUCATION**

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

**PROFESSIONAL HISTORY**

- **President and Founder**, Thomas Olson Biological Consulting, 2000 to present
- **Wildlife Biologist**, Garcia and Associates, 1998 to present
- **Senior Biologist**, Dames & Moore, 1985 to 1998
- **Biological Technician**, U.S. Fish & Wildlife Service, Fort Collins, CO, 1983-1985
- **Research Associate and Independent Contractor**, Colorado State University, Fort Collins, CO, 1981-1983
- **Wildlife Technician**, Colorado Division of Wildlife, Fort Collins, CO, 1980-1981

**PROFESSIONAL PROFILE**

Mr. Olson is a Wildlife Biologist and Project Manager with more than 40 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.

**SELECTED PROJECT EXPERIENCE**

**Santa Barbara County Integrated Environmental Quality Assurance Program (EQAP) for Oil and Gas Projects.** Onsite Environmental Coordinator (OEC) for Storrer Environmental Services (SES) for a number of oil and gas sites as part of the County's EQAP for oil and gas projects. Tasks include monthly or semi-monthly inspections of plant sites operated by Freeport McMoRan, Phillips66, 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.

**Bluffs at Sandpiper Residential Development.** One of the lead monitors for SES during the construction of the Bluffs at Sandpiper residential development in Goleta, CA. Monitoring of permit conditions for this project was 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.

**Caltrans Highway Widening Project, State Route 246.** Biologist for SES 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.

**Laguna County Sanitation District.** Conducted surveys and construction monitoring for SES 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, western pond turtles, and other aquatic herps.

**City of Lompoc Regional Wastewater Reclamation Plant Project.** Lead contract biologist for the City of Lompoc for the Regional Wastewater Reclamation Plant expansion site. Conducted surveys over a two-year period for birds, herps, and mammals. The surveys occurred during the permitting phase, as well as during construction monitoring. Prepared a series of reports that assessed project impacts and recommended impact-reduction measures.

**Acciona Wind Energy Projects.** Conducted bird surveys at proposed wind turbine sites near Lompoc and Pt. Sal for Acciona Wind Energy USA, LLC. Completed twice-monthly point-center timed counts over a two-year period to document seasonal occurrence. Compiled data and prepared annual reports.

**Offshore Projects.** Conducted bird surveys on Platform Irene in 2007 and 2008 for Storrer Environmental Services (SES) as part of Santa Barbara County's Environmental Quality Assurance Program (EQAP). Identified birds on and near the platform, with emphasis on overnight occurrence, during a 15-hour period. Contributed to the survey report prepared by SES.

**Wildlife Surveys.** Conducted a series of wildlife surveys for URS Corporation for their SunPower project in Carrizo Plain, eastern San Luis Obispo County, CA. Proposed sites of solar panel arrays were surveyed for common and special-status wildlife species. The surveys included kit fox



burrow and spotlight surveys, small mammal trapping, and noting observations of other species, including raptors.

**Bridge Repair Project.** As a contract biologist for the City of Lompoc, conducted surveys and prepared a Natural Environment Study – Minimal Impacts (NES-MI) for repairs done to the North Avenue Bridge over Miguelito Creek (V Street Channel). Species of concern included bats, steelhead, and cliff swallows. Monitored for biological resources and compliance with permit terms and conditions during the construction phase of the project.

## 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, Proceedings of the Desert Tortoise Council Annual Symposium, and Western Wildlife.
- 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

## CERTIFICATES/PERMITS

- USFWS handling permit for California tiger salamander (TE039460-3)
- Trapping/scientific collection permits from California Department of Fish and Wildlife
- Trapped Mohave ground squirrels as a sub-permittee
- Certified Wildlife Biologist, The Wildlife Society, 1986
- Certificate of Professional Development, The Wildlife Society, 1995

## REFERENCES

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Hunt & Associates  
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Stacy Lawson, Environmental Coordinator  
City of Lompoc  
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Morgan Jones, Senior Environmental Planner  
Santa Barbara County Department of Public Works  
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**Peter Gaede**  
*Onsite Environmental Coordinator*

**EXPERTISE**

- Biological Resource Assessments
- Permit Compliance
- Seabird and Marine Mammal Ecology
- Trained Aerial Observer
- Authorized under U.S. Fish and Wildlife Service Recovery Permit (TE-023895-3) to conduct surveys for California tiger salamander (*Ambystoma californiense*)
- Focused Ecological Studies:
  - Avian Studies
  - Small Mammal Studies
  - Reptile and Amphibian Studies

**EDUCATION**

- Graduate Certificate, Scientific Illustration, University of California, Santa Cruz, 2000
- B.S., Biological Science, Northwest Nazarene College, Idaho, 1993

**PROFESSIONAL HISTORY**

- **Biologist/Environmental Monitor** , Storrer Environmental Services, 2007 to present
- **Biological Technician** Garcia and Associates, 2008 to present
- **Project Ornithologist** for Topaz Solar Farms, Althouse & Meade, 2012-2014.
- **Aerial Observer**, OSPR/University of California, Santa Cruz, 2009 to present.
- **Marine Mammal Observer** for Exxon Mobil Platform Harmony conductor installation, Marine Mammal Consulting Group, 2014-2015
- **Biological Technician**, Bureau of Ocean Energy Management/Applied Marine Sciences, 2010-2011
- **Biological Technician**, USDA Forest Service, 1995, 1998-1999

**PROFESSIONAL PROFILE**

Peter Gaede is a professional biologist, technical illustrator, and a Research Associate at the Santa Barbara Museum of Natural History. He has extensive experience in the implementation of biological field studies, having conducted surveys for threatened and endangered wildlife species including the California tiger salamander, blunt-nosed leopard lizard, least Bell's vireo, and willow flycatcher. Mr. Gaede is a recognized authority on the status, distribution and identification of birds in California. He has worked with SES on several projects to determine status of the California tiger salamander in the Santa Rita Valley of Santa Barbara County. Additionally, he has served as a Biological Technician on a number of projects requiring surveys for birds, mammals, reptiles, and amphibians. Mr. Gaede is presently retained as Environmental Monitor for Santa Barbara County's Integrated Environmental Quality Assurance Program (EQAP) for Oil and Gas Projects, under contract to SES. He has also served as Environmental Monitor for various

construction and site remediation projects in Santa Barbara County under contract to Garcia and Associates, Rincon Consulting, and URS Corporation.

## **SELECTED PROJECT EXPERIENCE**

**State Lease 421 Caisson Repair Project Monitoring and Compliance Program.** Onsite Monitor for SES. One of three monitors assigned to conduct surveys and onsite compliance monitoring for a variety of agency permit conditions of approval.

**Venoco Line 96 Modification Project Monitoring and Compliance Program.** Daily monitoring of construction activity to ensure compliance with multiple agency conditions of approval and related mitigation plans.

**Lompoc Wind Energy Project.** Onsite Environmental Coordinator the County of Santa Barbara EQAP.

**California Tiger Salamander Projects.** Conducted surveys for California tiger salamander in the Santa Rita Valley, Santa Barbara County. Studies involved both pit-fall trapping and aquatic surveys. Worked closely with permitted biologists in the capture, handling, processing, and release of both adults and larvae.

**Chevron Shell Bradley Fill Site.** Monitored activities, as an approved USFWS biologist, during the removal of petroleum-contaminated soil on the Chevron Shell Bradley Fill Site. Performed pre-construction surveys, environmental awareness presentations for work personnel, construction monitoring, sensitive-species relocation, project mitigation and preparation of compliance reports.

**Santa Maria Airport Runway Extension Project.** Monitored threatened and endangered species, as an approved USFWS biologist, during construction activities.

**Deepwater Horizon Oil Spill.** Observer for aerial surveys of bird populations in the Gulf of Mexico. Surveys/transects were conducted from a fixed-wing aircraft and are evaluating the effects of the Deepwater Horizon oil spill.

**Offshore Projects.** Field biologist on a joint effort project with BOEM and Applied Marine Sciences studying the interactions between migrating birds and offshore oil platforms along the West Coast of California.

**Seabird and Marine Mammal Surveys.** Trained aerial observer for OSPR (Office of Spill Prevention and Response) to conduct seabird and marine mammal surveys in response to oil spills off the California coast.

**Avian Studies.** Coordinated a monitoring program for the Mexican Spotted Owl along the front range of Colorado as a Biological Technician for the USDA Forest Service. Performed an inventory and habitat assessment of sensitive threatened and endangered species. Conducted forest wide point-count surveys for birds, and intensive nest searches for the Northern Goshawk.

**Biological Surveys/Habitat Assessments.** Report preparation and review for projects in Southern California. Assisting with permit compliance, pre-construction surveys and construction monitoring.

## **CERTIFICATES/TRAINING**

- U.S. Fish and Wildlife Service handling permit for California tiger salamander. Authorized under permit #TE-023895-3
- 40-HOUR HAZWOPER Training (Hazardous Waste Operations and Emergency Response)
- Offshore Water Survival and Helicopter Underwater Egress Training (HUET).
- SMITH SYSTEMS Advanced Driver's Training.
- Rotorcraft Safety Training.
- H2S Awareness Training, Respirator Fit Test, Swing Rope, First Aid/CPR.

## **REFERENCES**

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**Amelia Olson**  
***Onsite Environmental Coordinator***

**EXPERTISE**

- Biological Surveys and Monitoring
- California Red-Legged Frog Surveys and California Tiger Salamander Surveys
- Environmental Permit Compliance
- Proficient in mapping software (e.g., ESRI, HEC-RAS, & HEC-HMS)
- Data Compilation
- Technical Writing

**EDUCATION**

- M.S. Applied Marine and Watershed Science, California State University Monterey Bay (CSUMB) 2016
- B.S. Environmental , Technology & Policy, California State University Monterey Bay 2013

**PROFESSIONAL PROFILE**

Ms. Olson is a biological and field monitor with experience in Santa Barbara, San Luis Obispo, Monterey, San Benito, and Calaveras counties in California. She has worked on a variety of projects, including tree counts, construction monitoring, rare plant surveys, bird surveys, California tiger salamander trapping and monitoring, day and night protocol-surveys for California red legged frogs and small mammal trapping. Ms. Olson has prepared reports, compiled and analyzed data, and edited reports.

**RESEARCH AND PROJECT EXPERIENCE**

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***November 2013-Present***

Biological Monitor-Storrer Environmental Services,  
Santa Barbara, CA

- Assisted with three projects studying the possible effects on the California tiger salamander
- Checked pitfall traps for animals and released non-target animals after recording data.
- Full-time biological monitor for the Montecito Debris Flow Mitigation Project in multiple streams in Montecito, California.
- Onsite Environmental Coordinator for the Santa Barbara County Integrated Environmental Quality Assurance Program (EQAP)

***August 2017-Present***

Biologist/Monitor-Garcia and Associates, Lompoc  
CA

- Monitored for special-status biological resources, CALTRANS road improvement along Calaveras Big Trees State Park
- Designated CTS biologist for PG&E project in Livermore, CA.
- Monitored for special-status biological resources, FEMA clean-up of the 2015 Butte Fire.

- Conducted surveys and monitored for special-status biological resources, Southern California Gas' Pipeline Safety Enhancement Program (PSEP)
- Conducted day and night protocol-level surveys for California red-legged frog
- Analyzed and compiled data from revegetation project within U.S. Borax property
- Wrote, edited, and prepared reports

**April 2016-Present**

Volunteer Avian Surveyor, Marina, CA

- Assisting Dr. Fred Watson of CSUMB with weekly bird surveys in former Ft. Ord as part of a long-term study.
- Documenting birds by sight and vocalizations through different seasons during timed counts.
- Compiling notes on habitat use, plumage differences, and behavior.
- Describing vegetation changes along the transect, as well as potential human-caused impacts.

**November 2017-March 2018**

Research Associate-UC Los Angeles

Field Site: Lompoc, CA

- Trapped and marked California tiger salamanders (CTS) in 10 ponds on conservation bank in northern Santa Barbara County for research project with Principal Investigator Dr. Brad Shaffer.
- Collected data for tiger salamander captured, including age, sex, morphometrics, breeding condition, and whether it was a new capture or re-capture.
- PIT-tagged more than 100 California tiger salamanders.
- Compiled data on daily basis.

**January 2017-July 2017**

Co-Instructor CA Transect-CSUMB, Monterey, CA

- Assisted lead professor in semester long class + 15 day field class travelling through the Mojave Desert, Sierra Nevada Mountains, White/Inyo Mountains, and the Mono Lake area
- Lead class activities, daily birding excursions, lectures, and surveys covering ecology, botany, geology, natural history, and water policy

**August 2016-November 2016**

Designated Biologist for CTS Buena Vista  
Consulting, San Lucas CA

- Conducted pre-construction survey to assess for California tiger salamander presence
- Monitored construction activities during bridge demolition and reconstruction for compliance to CDFW, Monterey County, and USACE standards.
- Monitored for California tiger salamanders on site.
- Wrote relocation plan in event of California tiger salamander on site.
- Wrote monthly compliance report.

***August 2014-May 2016***

Hydrologic Technician -CSUMB Watershed  
Geology Lab, Seaside CA

- Performed cross sectional stream surveys and conducted time series and impact analysis.
- Managed hydrologic gauging sites for surface water and suspended sediment.
- Analyzed stream conditions and dynamics by water quality and discharge measurements using standard field and lab protocols.
- Wrote technical reports summarizing field data

***May 2009-August 2009***

Research assistant- University of California, Davis  
– Research Project Vandenberg Air Force Base, CA

- Collected and analyzed ground-water samples
- Assessed the effects of diesel fuel on ground-water
- Participated in weekly planning conference calls

**CERTIFICATES/TRAINING**

- 40-hour HAZWOPER training
- 24-hour MSHA training
- First-aid and CPR certified
- Trimble intermediate GNSS & GIS certified
- CEQA Basics Workshop training
- ESRI intermediate GIS certified
- Elkhorn Slough Coastal Training Program – California Tiger Salamander workshop



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### EDUCATION

B.S. San Diego State  
University,  
December 1989

M.S. San Diego State  
University,  
December 1994

Ph.D. UC Santa Barbara,  
June 2006

### WORK EXPERIENCE

Leighton and Associates  
San Diego Office  
1988-1991

Independent Consultant  
January 1998-Present

### REGISTRATION

Professional Geologist  
No. 7865, CA

Certified Engineering  
Geologist No. 2616

DIR #1000026303

### PROFESSIONAL SOCIETIES

Member of Association of  
Environmental and  
Engineering Geologists

Member of Geological  
Society of America

Member of Coast Geological  
Society, Ventura, CA

American Society of Civil  
Engineers, Ventura Chapter

Member of The Association  
of Geohazard Professionals

I have over 25 years of experience in the engineering geological consulting profession evaluating and mitigating geological hazards in southern California including Santa Barbara, Ventura, and Los Angeles Counties. I am strongly committed to providing excellent service to my clients, both as an employee for contracted services and as an independent consultant. I strive to ensure quality assurance in my data collection and work products while maintaining budgets and meeting project milestones.

### Technical Experience

#### Landslide and Debris/Earth Flow Investigations

- Conducted numerous slope and landslide investigations of active and ancient landslides from the initial phase of mapping using stereo aerial photograph to developing subsurface exploration plans. The work plans employed methods including field geomorphic and geologic mapping; downhole logging of large diameter borings and test-pit excavations in unison with sampling and classification of earth materials; construction of geologic sections to landslide mitigation; and provide input for slope stability analysis and mitigation.
- Performed numerous sea cliff retreat analyses and performed geological mapping and exploration for slope stability investigations of sea cliff developments.
- Completed field analyses of rock quality designation of rock slopes for recommended cut-slope construction.
- These slope and landslide investigations were conducted for various sized projects from large, multiple lots development to individual estates and properties. I have logged more than 500 large diameter borings in my career.

#### Fault Activity and Rupture Hazard Evaluations

- Performed numerous fault investigations utilizing stereo aerial photographs for geomorphic mapping to position fault trenches and large diameter (24 inches) borings. I logged faults and mapped the trench stratigraphy establishing chronology to determine fault locations and activity for setback mitigation.
- Developed and conducted work plans for site where shallow groundwater prohibited trenching utilizing geophysical surveys, continuous core, sonic, and CPT borings for mapping of faults and subsurface stratigraphy.
- Major faults evaluated include the San Andreas, Santa Ynez, Ventura, San Cayetano, More-Ranch-Mission Ridge-Arroyo Parida, Newport-Inglewood, Simi, and Camarillo faults amongst other numerous faults.
- Investigations performed for both public and private schools; construction of municipal infrastructure projects; hospital additions and landfill expansions; and residential tracts and individual properties.

#### Geotechnical and Other Investigations

- Assisted in soil investigations for roadways, municipal water and sewer line infrastructure; university and schools; and residential and commercial structures for designs of structural foundations, piers, and infrastructure construction.
- Performed field explorations using hollow-stem, mud rotary and sonic drilling; excavation, logging, and sampling of test-pit excavations; and interpretation of geophysical data.
- Performed both independently and as part of a team to determine the causation of distress including slope erosion and landslide initiation; foundation and property distress for residential and commercial buildings; assessing residential damage related to blasting; assessed formation of a sinkhole, and distress of paved roadways.
- Performed over two dozen forensic investigations for expert litigation services and deposition/court testimony.



## **Technical Experience, Cont.**

### Environmental Services

- Performed storm water sampling and monitored on a quarterly year basis a Class III solid waste landfill, Chicago Grade Landfill in Atascadero, California. I sampled monitoring and vapor extraction wells, logged and constructed new monitoring wells, sampled/reported storm water basins and other discharges. I submitted signed and stamped letter reports data to the California Regional Water Quality Board, in addition to providing data and input for the preparation of quarterly monitoring reports. I also mapped cut slopes for the construction of an expansion module and performed a fault activity and soils chronology evaluation of an unmapped strand of the Rinconada fault determining that the trace was inactive and expansion was approved by county and state agencies.
- Performed site inspections at the Santa Maria Transfer Station as part of a compliance monitoring.
- Performed percolation testing for onsite waste disposal systems for residential properties in the City of Santa Barbara and Santa Barbara Counties.
- Currently performs third party review for the County of Santa Barbara for compliance monitoring of groundwater production for construction use in Lompoc, California.
- Currently performs a geohazards survey of the Pt. Pedernales Pipeline Right-of-Way (ROW) to monitor erosion sites along the ROW Vandenberg Air Force Base to Orcutt, California.

### **List of References:**

J. David Rogers, Ph.D., G.E., P.G., C.E.G., C.H.G., F.ASCE, F. GSA - professional mentor  
Missouri Science & Technology Dept. of Geosciences and Geological/Petroleum Engineering  
573 308-5964 cell  
rogersda@mst.edu

I'm currently working as the project manager with Dr. Rogers on the evaluation of debris flow hazards for the community of Montecito, California. I performed sea cliff mapping and evaluated the bluff for sites of accelerated erosion on a 5-parcel property located on the coasts in Santa Barbara County. This work was performed with Dr. Rogers and included recommendations for reducing infiltration of surface runoff and other mitigation techniques.

HooverGeo, Inc.  
Michael F. Hoover, P.G, C.E.G., C.H.G., retired  
P.O. Box 30860  
Santa Barbara, CA 93130  
(805) 680-3567 cell

I performed various tasks as the certified engineering geologists including slope stability, fault activity, geologic hazard mapping, and preliminary evaluations.

Dennis LaChaine, P.E., G.E.  
LaChaine and Associates, Inc.  
240 E. Highway 246, Suite 104  
Buelton, CA 93427  
(805) 901-0114 cell

I performed work as the certified engineering geologist for mitigation of slope hazards due to debris flows and for the evaluation of sinkhole. I worked with the geotechnical engineer to assess the hazards and determine a work plan for evaluation in addition to the mitigation recommendation.

## Resume for Laurence W. Spanne, MA

3/9/2021

### Current Address

3915 E. Juniper Cliffs Drive

Kanab, UT

84741-4177

Cell: 805-588-0822

Email: Lscoyote@msn.com

**Billing Rate** \$150 per hour

### 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 and North 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

- Member since 2012 of Grand Staircase Escalante Partners, a non-profit based in the State of Utah. Served as Vice President and President of the Board of Directors. Provided oversight during restructuring of this organization's Archaeological and Paleontological Site Steward Program and also served as an archaeological and paleontological site steward.
- Served from 1995 to present as EQAP Archaeological Specialist for the County of Santa Barbara as a member of the Storrer Environmental Services Team. Currently providing oversight and review for various energy projects, such as the Strauss Wind Energy Project, Plains Pipeline and Gaviota Terminal at Alcatraz. Duties included document review and comment, field visits to project sites, development of recommendations for resource management and protection, etc.
- 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 for accomplishments at VAFB.
- 1999 - 2006 Conceived and Managed Development of 14-Volume Cultural Resources Management Plan for Vandenberg AFB.

- 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 46 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.
- Prepared over 320 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 American Indian groups, especially in Santa Barbara & San Luis Obispo Counties, and throughout California and Hawaii on a full range of cultural resource projects & issues
- Instructed classes in Anthropology, Archaeology, American Indian 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  
Lompoc Valley Historical Society  
Utah Rock Art Research Association  
Grand Staircase Escalante National Monument Partners

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

2015 Phase 1 Report on Archaeological Investigation for the Highway 246/154 Project in Santa Ynez, California. Prepared for the Santa Ynez Band of Chumash Indians.

2014 Report on Phase 1 Archaeological Investigation for Proposed Vaquero Energy Garey Drilling Pads, Garey, California. Prepared for Mr. Erik Vasquez, Vaquero Energy.

2014 Comments on Sacred Place Study for the Alisal Agricultural Reservoir Project and Draft Environmental Impact Report. Letter prepared for the Santa Ynez Band of Chumash Indians.

2011 An Analysis of the Location of Shrine Hill Napamu', Alisal Agricultural Reservoir Project. Letter Report prepared for the Santa Ynez Band of Chumash Indians.

2011 Phase 1 and Phase 1.5 Archaeological Investigations for the Project 1390/Camp Four/Parker Ranch prepared for the Santa Ynez Band of Chumash Indians.

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**SANTA BARBARA COUNTY  
PLANNING & DEVELOPMENT DEPARTMENT  
INTEGRATED ENVIRONMENTAL QUALITY ASSURANCE PROGRAM**



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**HOURLY ESTIMATE & RATE PROPOSAL**

Submitted to  
**Santa Barbara County  
Energy & Minerals Division**  
123 Anapamu Street 1<sup>st</sup> Floor  
Santa Barbara, CA 93101

Submitted by  
**Storrer Environmental Services, LLC**  
2565 Puesta del Sol Road #203  
Santa Barbara, CA 93105  
[www.storrerenvironmental.com](http://www.storrerenvironmental.com)

Submitted on April 2, 2021

# HOURLY ESTIMATE & RATE PROPOSAL

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## APPENDICES

Appendix A: Work Program Budgets for Individual Projects

Appendix B: Letters of Commitment from Subcontractors

## 1.0 Billing Rate Summary

### A. Base Hourly Rates - Project Personnel

#### *Direct Labor*

Project Manager/Onsite Environmental Coordinator (Storrer):	\$145.00/hour
Assistant Project Manager/Onsite Environmental Coordinator (Peak)	\$120.00/hour
Onsite Environmental Coordinators (Cooper, Gaede, A. Olson, T. Olson)	\$120.00/hour

#### *Subcontract Labor*

Archaeological Specialist (Spanne)	\$150.00/hour
Geological Specialist (Gurrola)	\$145.00/hour

Base hourly rates (direct and subcontractor labor) will remain fixed for the five-year contract period.

### B. Overhead and Fees

Subcontractor Handling Charge	15% of Subcontract Labor
Other Direct Costs (ODCs)	charged at-cost to consultant
Mileage (standard IRS rate)	\$0.56/mile

Base overhead rates (subcontractor handling charge) will remain fixed for the five-year contract period; mileage rates are subject to change based on standard IRS mileage rate for compensation.

## 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 this Hourly Estimate & Rate 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 above. Billing rates for all staff positions will remain fixed for the five-year term of the contract. All personnel are covered under the Storrer Environmental Services, LLC (SES) Workers' Compensation Policy, consistent with the insurance requirements stipulated in the County of Santa Barbara's (County) Standard Contract, and in compliance with the State Labor Code.

The handling charge on subcontract labor is intended to cover the consultant's operating and administrative costs. These include operating expenses, insurance costs, bookkeeping services, and non-billable labor. Vehicle use will be charged at the standard mileage rate set by the IRS.

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

Mileage

The majority of transportation costs are associated with implementation of Tasks 1, 2, 3, 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	25 miles
Las Flores Canyon	45 miles
Gaviota	60 miles
North County	140 miles

**3.0 Letters of Commitment from Subcontractors**

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

**4.0 Conflict of Interest Statement**

SES is pleased to offer our services for assistance with the Integrated Environmental Quality Assurance Program (EQAP) for Santa Barbara County Energy 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 included as Attachment B of the Request for Proposals (RFP). Subcontractors to SES 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). None of our contractual obligations within the past two years would preclude our involvement with the Integrated EQAP per the criteria stated in Attachment B to the RFP. SES 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.

The following information is provided in the interest of full disclosure.

**SES**

SES currently holds one contract that is indirectly related to oil and gas development or abandonment in Santa Barbara County. Services are limited to surveys for California tiger salamander. A contract with Cardno ERI of Ventura, California is related to ExxonMobil's plans for site assessment and remediation for a former oil and gas lease in the Eastern Santa Maria Valley. The Energy, Minerals, and Compliance Division was advised of SES's intent to participate

with the project prior to entering a contractual agreement. The Energy, Minerals, and Compliance Division determined that our involvement did not constitute a conflict of interest with regard to our current contract for the Integrated EQAP.

***Laurence Spanne***

Mr. Spanne has no contractual obligations or agreements that would constitute a conflict of interest with respect to his participation in the County’s Integrated EQAP for Energy Projects. A statement to that effect is included in Mr. Spanne’s Letter of Commitment (Appendix B).

***Larry Gurrola***

Dr. Gurrola has no contractual obligations or agreements that would constitute a conflict of interest with respect to his participation in the County’s Integrated EQAP for Energy Projects. A statement to that effect is included in Dr. Gurrola’s Letter of Commitment (Appendix B).

**5.0 Statement of Offer**

This proposal is made by SES for the Integrated EQAP for Santa Barbara County Energy 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 SES. 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 SES for the performance of professional services specified in this proposal.



---

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



## **6.0 Acknowledgment of Contractual Provisions**

John Storrer, owner of Storrer Environmental Services, LLC has read the contractual provisions identified in the Attachment B of the County's RFP, understands said provisions, and is willing to be bound without qualification thereto. Certificates of Insurance for General and Automobile Liability Insurance, Professional Liability Insurance, and Workers Compensation Insurance are on file with the County.



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John Storrer  
President  
Storrer Environmental Services, LLC

**APPENDIX A**

**WORK PROGRAM BUDGETS FOR INDIVIDUAL PROJECTS**

**(JULY 1, 2021 THROUGH JUNE 30, 2026)**

ARCO Dos Pueblos Facility and Pipeline Abandonment Project ..... A-1  
Cuyama Solar Array Compliance ..... A-2  
Exxon/Mobil Las Flores Canyon Oil and Gas Processing Facility Compliance ..... A-3  
Freeport-McMoRan (Point Arguello Unit) GOHM and Pipelines ..... A-4  
Freeport-McMoRan Point Pedernales Pipeline and Lompoc Oil & Gas Plant..... A-5  
Gaviota Terminal Abandonment..... A-6  
PCEC Orcutt Hill Seep Can Management and Restoration..... A-7  
Phillips 66 Point Pedernales Pipeline and Orcutt Pump Station..... A-8  
Phillips 66 Sisquoc Pipeline and Santa Maria Pump Station..... A-9  
Plains Pipeline, LP Compliance..... A-10  
SoCal Gas Line 80 Abandonment..... A-11  
Shell Hercules Gas Plant Abandonment..... A-12  
Strauss Wind Energy Project ..... A-13  
Venoco Line 96 Pipeline Compliance ..... A-14

**ARCO Dos Pueblos Abandonment Project**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)		20	20
Task 2 (Revegetation/Erosion Control Monitoring)			
Task 3 (Special Mitigation)		20	
Task 5 (Facilities Inspections)			
Task 6 (Reporting)		40	5
Task 7 (CEQA Review)			
Task 8 (Mobilization)			
<b>Hours Total</b>		<b>80</b>	<b>25</b>
Direct Labor Cost	\$ 14,600.00		
Subcontract Labor Cost	\$ -		
Subcontractor Handling Charge (15%)	\$ -		
<b>Total Labor</b>	<b>\$ 14,600.00</b>		
Other Direct Costs (ODCs):			
Mileage	\$ 140.00		
<b>Total ODCs</b>	<b>\$ 140.00</b>		
<b>Total Anticipated Cost:</b>	<b>\$ 14,740.00</b>		

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

**Cuyama Solar Array Compliance**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)			
Task 2 (Revegetation/Erosion Control Monitoring)			
Task 3 (Special Mitigation)		30	30
Task 5 (Facilities Inspections)			80
Task 6 (Reporting)		20	5
Task 7 (CEQA Review)			
Task 8 (Mobilization)			
<b>Hours Total</b>		<b>50</b>	<b>115</b>
Direct Labor Cost	\$ 21,050.00		
Subcontract Labor Cost	\$ -		
Subcontractor Handling Charge (15%)	\$ -		
<b>Total Labor</b>	<b>\$ 21,050.00</b>		
Other Direct Costs (ODCs):			
Mileage	\$ 1,512.00		
<b>Total ODCs</b>	<b>\$ 1,512.00</b>		
<b>Total Anticipated Cost:</b>	<b>\$ 22,562.00</b>		

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

**Exxon/Mobil Las Flores Canyon  
 Oil and Gas Processing Facility Compliance  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1**

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>	<b>RES Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)			80		
Task 2 (Revegetation/Erosion Control Monitoring)					8
Task 3 (Special Mitigation)		40		40	
Task 5 (Facilities Inspections)			90		
Task 6 (Reporting)		120	25		
Task 7 (CEQA Review)					
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>160</b>	<b>195</b>	<b>40</b>	<b>8</b>
Direct Labor Cost	\$ 47,560.00				
Subcontract Labor Cost	\$ 6,000.00				
Subcontractor Handling Charge (15%)	\$ 900.00				
<b>Total Labor</b>	<b>\$ 54,460.00</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 1,260.00				
<b>Total ODCs</b>	<b>\$ 1,260.00</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 55,720.00</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Archaeological Environmental Specialist (ARES)  
 Restoration Environmental Specialist (RES)

**Freeport-McMoRan (Point Arguello Unit) GOHM and Pipelines**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)		44	700		
Task 2 (Revegetation/Erosion Control Monitoring)					
Task 3 (Special Mitigation)		40		40	24
Task 5 (Facilities Inspections)					
Task 6 (Reporting)		384	88		
Task 7 (CEQA Review)		80		80	40
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>548</b>	<b>788</b>	<b>120</b>	<b>64</b>
Direct Labor Cost	\$ 174,020.00				
Subcontract Labor Cost	\$ 27,280.00				
Subcontractor Handling Charge (15%)	\$ 4,092.00				
<b>Total Labor</b>	<b>\$ 205,392.00</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 7,526.00				
<b>Total ODCs</b>	<b>\$ 7,526.00</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 212,918.00</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Archaeological Environmental Specialist (ARES)  
 Geological Environmental Specialist (GES)

**Freeport-McMoRan Point Pedernales Pipeline and Lompoc Oil & Gas Plant**  
 (July 1, 2021 - June 30, 2026  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)			80		
Task 2 (Revegetation/Erosion Control Monitoring)				100	
Task 3 (Special Mitigation)		40			415
Task 5 (Facilities Inspections)			120		
Task 6 (Reporting)		120	45		
Task 7 (CEQA Review)					
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>160</b>	<b>245</b>	<b>100</b>	<b>415</b>
Direct Labor Cost	\$ 64,600.00				
Subcontract Labor Cost	\$ 60,175.00				
Subcontractor Handling Charge (15%)	\$ 9,026.25				
<b>Total Labor</b>	<b>\$ 133,801.25</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 2,100.00				
<b>Total ODCs</b>	<b>\$ 2,100.00</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 135,901.25</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Geological Environmental Specialist (GES)

**Gaviota Terminal Abandonment**  
**(July 1, 2021 - June 30, 2026)**  
**NTP 2021-1**

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)						
Task 2 (Revegetation/Erosion Control Monitoring)				70		
Task 3 (Special Mitigation)		8		8	8	8
Task 5 (Facilities Inspections)						
Task 6 (Reporting)		40				
Task 7 (CEQA Review)						
Task 8 (Mobilization)						
<b>Hours Total</b>		<b>48</b>	<b>0</b>	<b>78</b>	<b>8</b>	<b>8</b>
Direct Labor Cost	\$ 16,320.00					
Subcontract Labor Cost	\$ 2,360.00					
Subcontractor Handling Charge (15%)	\$ 354.00					
<b>Total Labor</b>	<b>\$ 19,034.00</b>					
Other Direct Costs (ODCs):						
Mileage	\$ 336.00					
<b>Total ODCs</b>	<b>\$ 336.00</b>					
<b>Total Anticipated Cost:</b>	<b>\$ 19,370.00</b>					

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Archaeological Environmental Specialist (ARES)  
 Geological Environmental Specialist (GES)



**PCEC Orcutt Hill Seep Can Management & Restoration**  
**(July 1, 2021 - June 30, 2026**  
**NTP 2021-1**

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)					
Task 2 (Revegetation/Erosion Control Monitoring)				80	
Task 3 (Special Mitigation)					8
Task 5 (Facilities Inspections)				60	
Task 6 (Reporting)		40			
Task 7 (CEQA Review)					
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>40</b>	<b>0</b>	<b>140</b>	<b>8</b>
Direct Labor Cost	\$ 22,600.00				
Subcontract Labor Cost	\$ -				
Subcontractor Handling Charge (15%)	\$ -				
<b>Total Labor</b>	<b>\$ 22,600.00</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 840.00				
<b>Total ODCs</b>	<b>\$ 840.00</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 23,440.00</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)

**Phillips 66 Point Pedernales Pipeline and Orcutt Pump Station**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)			80		
Task 2 (Revegetation/Erosion Control Monitoring)				40	
Task 3 (Special Mitigation)		40			265
Task 5 (Facilities Inspections)			60		
Task 6 (Reporting)		40	25		
Task 7 (CEQA Review)					
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>80</b>	<b>165</b>	<b>40</b>	<b>265</b>
Direct Labor Cost	\$ 36,200.00				
Subcontract Labor Cost	\$ 38,425.00				
Subcontractor Handling Charge (15%)	\$ 5,763.75				
<b>Total Labor</b>	<b>\$ 80,388.75</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 1,876.00				
<b>Total ODCs</b>	<b>\$ 1,876.00</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 82,264.75</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Geological Environmental Specialist (GES)

**Phillips 66 Sisquoc Pipeline and Santa Maria Pump Station**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)			40
Task 2 (Revegetation/Erosion Control Monitoring)			
Task 3 (Special Mitigation)		20	
Task 5 (Facilities Inspections)			60
Task 6 (Reporting)		40	20
Task 7 (CEQA Review)			
Task 8 (Mobilization)			
<b>Hours Total</b>		<b>60</b>	<b>120</b>
Direct Labor Cost	\$ 23,100.00		
Subcontract Labor Cost	\$ -		
Subcontractor Handling Charge (15%)	\$ -		
<b>Total Labor</b>	<b>\$ 23,100.00</b>		
Other Direct Costs (ODCs):			
Mileage	\$ 1,344.00		
<b>Total ODCs</b>	<b>\$ 1,344.00</b>		
<b>Total Anticipated Cost:</b>	<b>\$ 24,444.00</b>		

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

**Plains Pipeline, LP Compliance**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)		1,040	5,200			
Task 2 (Revegetation/Erosion Control Monitoring)				120		
Task 3 (Special Mitigation)		120			120	40
Task 5 (Facilities Inspections)						
Task 6 (Reporting)		832	260			
Task 7 (CEQA Review)		80			80	
Task 8 (Mobilization)						
<b>Hours Total</b>		<b>2,072</b>	<b>5,460</b>	<b>120</b>	<b>200</b>	<b>40</b>
Direct Labor Cost	\$ 970,040.00					
Subcontract Labor Cost	\$ 35,800.00					
Subcontractor Handling Charge (15%)	\$ 5,370.00					
<b>Total Labor</b>	<b>\$ 1,011,210.00</b>					
Other Direct Costs (ODCs):						
Mileage	\$ 58,240.00					
<b>Total ODCs</b>	<b>\$ 58,240.00</b>					
<b>Total Anticipated Cost:</b>	<b>\$ 1,069,450.00</b>					

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Archaeological Environmental Specialist (ARES)  
 Geological Environmental Specialist (GES)

**SoCal Gas Line 80 Abandonment**  
**(July 1, 2021 - June 30, 2026)**  
**NTP 2021-1**

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>
Task 1 (Construction Monitoring)			108		
Task 2 (Revegetation/Erosion Control Monitoring)				40	
Task 3 (Special Mitigation)		8			8
Task 5 (Facilities Inspections)					
Task 6 (Reporting)		24	18		
Task 7 (CEQA Review)					
Task 8 (Mobilization)					
<b>Hours Total</b>		<b>32</b>	<b>126</b>	<b>40</b>	<b>8</b>
Direct Labor Cost	\$ 24,560.00				
Subcontract Labor Cost	\$ 1,200.00				
Subcontractor Handling Charge (15%)	\$ 180.00				
<b>Total Labor</b>	<b>\$ 25,940.00</b>				
Other Direct Costs (ODCs):					
Mileage	\$ 403.20				
<b>Total ODCs</b>	<b>\$ 403.20</b>				
<b>Total Anticipated Cost:</b>	<b>\$ 26,343.20</b>				

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Archaeological Environmental Specialist (ARES)

**Shell Hercules Gas Plant Abandonment**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)				
Task 2 (Revegetation/Erosion Control Monitoring)				24
Task 3 (Special Mitigation)				
Task 5 (Facilities Inspections)				
Task 6 (Reporting)		16		
Task 7 (CEQA Review)				
Task 8 (Mobilization)				
<b>Hours Total</b>		<b>16</b>	<b>0</b>	<b>24</b>
Direct Labor Cost	\$ 5,200.00			
Subcontract Labor Cost	\$ -			
Subcontractor Handling Charge (15%)	\$ -			
<b>Total Labor</b>	<b>\$ 5,200.00</b>			
Other Direct Costs (ODCs):				
Mileage	\$ 135.00			
<b>Total ODCs</b>	<b>\$ 135.00</b>			
<b>Total Anticipated Cost:</b>	<b>\$ 5,335.00</b>			

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)

**Strauss Wind Energy Project**  
**(July 1, 2021 - June 30, 2026)**  
**NTP 2021-1**

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>	<b>RES Hours (\$120/hr.)</b>	<b>ARES Hours (\$150/hr.)</b>	<b>GES Hours (\$145/hr.)</b>
Task 1 (Construction Monitoring)		576	2880			
Task 2 (Revegetation/Erosion Control Monitoring)				200		
Task 3 (Special Mitigation)		576			576	144
Task 5 (Facilities Inspections)			200	136		
Task 6 (Reporting)		1,140	200			
Task 7 (CEQA Review)						
Task 8 (Mobilization)						
<b>Hours Total</b>		<b>2292</b>	<b>3280</b>	<b>336</b>	<b>576</b>	<b>144</b>
Direct Labor Cost	\$ 766,260.00					
Subcontract Labor Cost	\$ 107,280.00					
Subcontractor Handling Charge (15%)	\$ 16,092.00					
<b>Total Labor</b>	<b>\$ 889,632.00</b>					
Other Direct Costs (ODCs):						
Mileage	\$ 37,161.60					
<b>Total ODCs</b>	<b>\$ 37,161.60</b>					
<b>Total Anticipated Cost:</b>	<b>\$ 926,793.60</b>					

Project Manager/Onsite Environmental Coordinator (PM/OEC)  
 Onsite Environmental Coordinator (OEC)  
 Restoration Environmental Specialist (RES)  
 Archaeological Environmental Specialist (ARES)  
 Geological Environmental Specialist (GES)

**Venoco Line 96 Pipeline Compliance**  
 (July 1, 2021 - June 30, 2026)  
 NTP 2021-1

<b>Task</b>	<b>Cost</b>	<b>PM/OEC Hours (\$145/hr.)</b>	<b>OEC Hours (\$120/hr.)</b>
Task 1 (Construction Monitoring)			
Task 2 (Revegetation/Erosion Control Monitoring)			
Task 3 (Special Mitigation)		40	
Task 5 (Facilities Inspections)		40	
Task 6 (Reporting)		40	
Task 7 (CEQA Review)			
Task 8 (Mobilization)			
<b>Hours Total</b>		<b>120</b>	<b>0</b>
Direct Labor Cost	\$ 17,400.00		
Subcontract Labor Cost	\$ -		
Subcontractor Handling Charge (15%)	\$ -		
<b>Total Labor</b>	<b>\$ 17,400.00</b>		
Other Direct Costs (ODCs):			
Mileage	\$ 224.00		
<b>Total ODCs</b>	<b>\$ 224.00</b>		
<b>Total Anticipated Cost:</b>	<b>\$ 17,624.00</b>		

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



**APPENDIX B**

**LETTERS OF COMMITMENT FROM SUBCONTRACTORS**

March 17, 2021



Larry D. Gurrola, Ph.D., P.G., C.E.G., Inc.

Engineering Geologist  
5326 Lehigh St.  
Ventura, CA 93003

(805) 563-5797 voice  
(805) 886-4607 cell  
www.larrygurrola.com

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

RE: Letter of Commitment for Work as a Environmental Quality Assurance Program Specialist.

Dear Mr. Storrer,

I am pleased to offer my assistance as Geological Specialist for Santa Barbara County's Integrated Environmental Quality Assurance Program (EQAP) for Oil and Gas Projects. This letter confirms my commitment of work contract to Storrer Environmental Services for the next 5-year period. This work will be performed solely by Larry D. Gurrola for the duration of the work period.

It is my understanding that the proposed work as EQAP Specialist is estimated to total approximately 800 hours and will be performed over the 5-year contract term.

I have reviewed the Organizational Conflict and Interest Provision, Section 9 of the Sample County/Consultant Contract, and this letter confirms that Larry D. Gurrola PhD, PG, CEG, Inc. does not have any conflicts of interest that would preclude or compromise my participation as EQAP Geological Specialist. In addition to not having a conflict, I will not have a future conflict of interest that would preclude or compromise my participation to complete this commitment.

Thank you for the opportunity to offer my assistance in your proposal for the next 5-years period.

Respectfully submitted,

Date 3/17/2021

Larry D. Gurrola, Ph.D., P.G., C.E.G., Inc.  
President

Laurence W. Spanne, MA  
Cultural Resources Consultant  
3915 E. Juniper Cliffs Dr  
Kanab, UT 84741-4177

Cell: 805-588-0822

Email: [Lscoyote@msn.com](mailto:Lscoyote@msn.com)

Mr. John Storrer  
Storrer Environmental Services  
2565 Puesta Del Sol Road #1  
Santa Barbara, CA  
93105

Dear Mr. Storrer:

This letter is to inform you that I am available to serve as Archaeological Specialist on your EQAP Team for the Santa Barbara County Oil and Gas Project. I am committed to the anticipated number of hours specified in the proposal (400 hours).

I have reviewed the Organizational Conflict of Interest Provision, Section 9 of the County/Consultant Contract, and determined that I do not and will not have a conflict of interest. During the past two years I have conducted work solely for Storrer Environmental Associates and anticipate the same for the next 5 years.

If you have any questions or require additional information, please contact me. Thanks very much for the opportunity to work with you and Santa Barbara County once again.

Yours sincerely,

*Signed*

Laurence W. Spanne