

**AMENDMENT NO. 1
TO AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR
WITH GEOSYNTEC CONSULTANTS, INC.
FOR STORMWATER COMPLIANCE SERVICES**

THIS AMENDMENT, effective as of the date last written below, is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and Geosyntec Consultants, Inc., an out of state stock corporation, with a local address at 118 East Carrillo Street, Santa Barbara, CA 93101 and corporate address at 900 Broken Sound Parkway NW, Suite 200, Boca Raton, FL 33487 (hereafter CONTRACTOR).

WHEREAS, the parties hereto, on July 9, 2024, entered into an Agreement effective July 1, 2024 for performance of professional services by CONTRACTOR in the amount of \$210,200 in connection with the provision of stormwater compliance services to comply with regulatory requirements with the Industrial General Permit, the General Waste Discharge Requirements for Landfills, and General Waste Discharge Requirements for Composting Operations (the "Original Agreement"); and

WHEREAS, regulatory requirements are being implemented by the Regional Water Quality Control Board that require enrollment in the General Permit for Discharges with Limited Threat to Water Quality for the discharge of treated contact wastewater associated with the Compost Management Unit; and

WHEREAS, a proposal for additional work has been negotiated with CONTRACTOR and found to be appropriate; and

NOW THEREFORE, COUNTY AND CONTRACTOR agree to amend the Agreement as follows:

- A. Exhibit A, STATEMENT OF WORK, is amended to include the attached scope of work and proposal for the permitting and design services for an Active Treatment System (ATS) to manage contact wastewater from the Compost Management Unit (CMU) in the amount of \$366,100.
- B. Paragraph A of Exhibit B to the Original Agreement is amended to read:
 - A. For CONTRACTOR services, the amount to be rendered under this Agreement, CONTRACTOR shall be paid a total contract amount, including cost reimbursements, not to exceed \$576,300.00.
- C. Except as expressly amended herein, the Original Agreement shall remain in full force and effect.

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IN WITNESS WHEREOF, the parties have executed this Amendment No. 1 to be effective on the date executed by COUNTY.

ATTEST:

Mona Miyasato
County Executive Officer
Clerk of the Board

COUNTY OF SANTA BARBARA:

Steve Lavagnino, Chair
Board of Supervisors

By: *Shirley LaCuerra*
Deputy Clerk

By: *Steve Lavagnino*
Date: 9-10-24

RECOMMENDED FOR APPROVAL:

Chris Sneddon, P.E., Director
Santa Barbara County Public Works

CONTRACTOR:

Geosyntec Consultants

DocuSigned by:
By: *Chris Sneddon*
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Signed by:
By: *Brandon Steets*
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Brandon Steets, P.E.
Senior Principal

APPROVED AS TO FORM:

Rachel Van Mullem
County Counsel

APPROVED AS TO ACCOUNTING FORM:

Betsy M. Schaffer, CPA
Auditor-Controller

Signed by:
By: *Johannah Hartley*
C156A3FB8317454...
Johannah Hartley
Deputy County Counsel

Signed by:
By: *Juan Izquierdo*
E1098603A4304B7...
Deputy

APPROVED AS TO FORM:

Gregory Milligan, ARM
Risk Manager

DocuSigned by:
By: *Greg Milligan*
05F555F00209406...
Risk Management



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August 7, 2024

Christina Wilder, P.E.
Resource Recovery and Waste Management Division
Santa Barbara County
130 E. Victoria Street, Suite 100
Santa Barbara, CA 93101

Reference: Santa Barbara County Resource Recovery and Waste Management Division (RRWMD) CMU Active Treatment System (ATS) Permitting and Design Services for FY 2024-2025

Dear Christina Wilder, P.E.:

Geosyntec Consultants Inc. (Geosyntec) is pleased to continue to provide technical consulting support to RRWMD related to planning and design of an Active Treatment System (ATS) to treat stormwater runoff from the Compost Management Unit (CMU) operational areas and discharge of treated effluent to Pila Creek, application for coverage under the Central Coast Limited Threat General NPDES Permit (Limited Threat Discharge Permit) to enable lawful discharge of treated effluent from the ATS, other miscellaneous activities supporting compliance with requirements of the Limited Threat Discharge Permit and General Waste Discharge Requirements for Composting Operations (Compost Order), and other related as-needed tasks as outlined below. This scope and budget includes time and progress made since July 1, 2024.

Task 1. Project Management and Communication

Geosyntec will provide overall project management for the duration of the one-year contract, including tracking and reporting scope/task, schedule, and budget status; and e-mail and phone communication with RRWMD. Weekly calls to discuss design, permitting, sampling, reporting, compliance, or other topics are included here. In-person meetings and other requests will be accommodated as the budget allows.

Task 1 Budget: \$32,100

Assumptions:

- Communication with RRWMD staff includes weekly meetings of up to one hour for the first six months, and biweekly meetings of up to one hour for the second six months
- Up to three Geosyntec staff per call.



Task 2a. Limited Threat Discharge Permit Application

This task includes the preparation and submission of a permit application package for coverage under the Limited Threat Discharges to Surface Waters Permit, NPDES Permit No. CAG993004, WDR Order No. R3-2022-0035) (Limited Threat Discharge Permit). Geosyntec will prepare the draft permit application package for submittal to the Central Coast Regional Water Quality Control Board.

The components of the draft permit application package include the following:

- Cover Letter
- Attachment A: Notice of Intent (NOI) Form
- Attachment B: Site Maps
- Attachment C: Memorandum - Effluent Characteristic, Discharge Information, Water Quality Tables
- Attachment D: Engineering Design Report - Line Drawing, Water Balance Schematic, and Site Maps.

Technical parts of the Engineering Design Report are being drafted under a separate Task 4. Once finalized, it will be submitted with this permit application package.

Task 2a Budget: \$58,300

Deliverables:

- Permit application package.

Assumptions:

- Geosyntec will produce one draft permit application package for review by the County with embedded comments/questions as track changes in the Word document (.docx) and one final revised version (.pdf) for submittal to the Regional Water Board.
- The County will pay the permit application fees.

Task 2b Contingency Plan for Limited Threat Discharge Permit

This task includes the preparation and submittal of a Contingency Plan required by the Limited Threat Discharge Permit, as described in Attachment F – Monitoring and Reporting Program, Section 9.1.2. The Contingency Plan will summarize the standard operating procedures of the wastewater discharge system and contingency measures to be implemented if the discharge exceeds 0.3 million gallons per day (MGD) and is longer than six months in duration or if the discharge qualifies for a State Implementation Policy Categorical Exception. The County will submit the Contingency Plan prior to the start-up of the wastewater discharge system.



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The Contingency Plan will include the following:

- A description of the wastewater discharge system’s function, design, and operation;
- A description of the nature of the discharge;
- A description of soil erosion prevention measures to be taken at the point of discharge;
- A description of actions that will be taken if the system were to malfunction; and
- A description of actions if monitoring indicates a potential violation of the requirements of the Limited Threat Discharge Permit.

Task 2b Budget: \$12,900

Deliverables:

- Draft and Final Contingency Plan.

Assumptions:

- Geosyntec will produce one draft Contingency Plan package for review by the County with embedded comments/questions as track changes in the Word document (.docx) and one final revised version (.pdf) for submittal to the Regional Water Board.

Task 3a. Start-Up Monitoring for Limited Threat Discharge Permit

This task includes conducting Start-Up Monitoring as required by the Limited-Threat Discharge Permit, as described in Attachment F – Monitoring and Reporting Program (MRP), Sections 2 and 3. Geosyntec will notify the Executive Officer in writing of the start-up date 7 to 14 days prior to start-up beginning. During the initial system effluent discharge, sampling of the treated wastewater will occur on the first day.

Start-up Monitoring steps include the following:

- On the first day of the system effluent discharge operation, the effluent will run until at least three consecutive readings for pH, conductivity, and temperature are within five percent of each other.
- After attaining consecutive readings for pH, conductivity, and temperature, Geosyntec will collect and submit an effluent sample to a certified laboratory.
- Prior to receiving the results of the initial samples, all effluent will be discharged into a holding tank (that is contained, not discharged to the receiving water) until the analyses show the discharge to be within the effluent limits established in the Permit and/or authorization letter.
- The treatment system may be shut down after the first day's sampling to await the laboratory analytical results and, thereby, reduce the amount of storage needed.
- For the stored effluent, if the results of the analyses show exceedances of permit limits, the stored effluent will: 1) be treated until the treated effluent is in compliance, or 2) be disposed of in accordance with the provisions of Chapter 15, Title 23, California Code of Regulations.



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- If the start-up sampling shows concentrations below the permit's effluent limits and approval to discharge is obtained from Central Coast Water Board, discharge from the wastewater discharge system to the receiving water may proceed.

Geosyntec will document the start-up events in the Start-Up Report described in Task 4 below.

Task 3a Budget: \$15,100

Deliverables:

- Chain of Custody (CoC) forms
- Field Forms for pH, conductivity, temperature, and standard visual observations
- Compliance summary table

Assumptions:

- Geosyntec will produce a draft and final copy of each deliverable for review by the County
- Geosyntec will contract with ABC Laboratories for toxicity testing
- The County will cover analytical laboratory fees
- One set of start-up samples will be collected and analyzed in accordance with Attachment F, Table F-4.
- Disposal of effluent out of compliance with the permit is not included in this scope or budget.

Task 3b. Routine Monitoring for Limited Threat Discharge Permit

This task includes conducting Routine Monitoring as required by the Limited-Threat Discharge Permit, as described in Attachment F – Monitoring and Reporting Program (MRP), Sections 6.

Routine monitoring will include the following:

- The MRP requires annual sampling at one effluent (EFF-001) and two receiving water (RSW-1U and RSW-1D) locations and quarterly observations at two receiving water locations to verify compliance with this general permit and protection of water quality.
- Effluent sampling shall be in accordance with Attachment F, Table F-5.
- Receiving water monitoring shall be in accordance with Attachment F, Table F-7.
- Receiving water sampling shall be in accordance with Attachment F, Table F-8.

Task 3b Budget: \$16,100

Deliverables:

- Field logs of observations and measurements,
- Chain of Custody (CoC) Forms,



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- Laboratory results, and
- Compliance summary table

Assumptions:

- Geosyntec will produce a draft and final copy of each deliverable for review by the County
- Geosyntec will contract with ABC Laboratories for annual acute and chronic toxicity testing
- The County will cover analytical laboratory fees
- Routine sampling at the effluent and receiving water locations will occur once per year
- County staff will cover monthly pH monitoring and flow rate metering

Task 4. Limited Threat Discharge Permit Start-Up Report

This task includes preparing and submitting a Start-Up Report as required by the Limited Threat Discharge Permit and described in Attachment F—Monitoring and Reporting Program, Sections 3 and 9.1.1. The Start-up Report will summarize the Start-Up Monitoring that occurred in Task 3a above. Geosyntec will submit the Start-Up Report to the Central Coast Regional Water Board no later than 15 days after the end of the start-up phase.

The Start-Up Report will include the following:

- Field logs of observations and measurements,
- Chain of Custody (CoC) Forms,
- Laboratory results,
- Flow rates,
- Descriptions of any changes or modifications to the wastewater discharge system, and
- A certification that a professional engineer or geologist certified in the State of California oversaw the wastewater discharge system operation and maintenance activities, including the startup work.

Task 4 Budget: \$15,900

Deliverables:

- Start-up Report.

Assumptions:

- Geosyntec will produce a draft and final copy of each deliverable for review by the County and one final revised version (.pdf) for submittal to the Regional Water Board



Task 5. Annual Reporting for the Limited-Threat Discharge Permit

This task includes preparing and submitting one (1) Annual Self-Monitoring Report (SMR) / Discharge Monitoring Report (DMR), as required by the Limited-Threat Discharge Permit and described in Attachment F – Monitoring and Reporting Program (MRP), Sections 9.2 and 9.11.

The Annual SMR / DMR will include the following:

- Letter of Transmittal:
 - Identification of all violations of waste discharge requirements found during the reporting period, including the date of occurrence and date of determination for each violation.
 - Details of the magnitude, frequency, and dates of all violations.
 - The cause of the violations.
 - Discussion of the corrective actions taken or planned and the time schedule for completion.
 - The annual report will document that the annual fee has been paid to the State Water Board.
 - A signature from a principal executive officer or ranking elected official or by a duly authorized representative.
- Map or Aerial Photograph: A map or aerial photograph showing sampling and observation station locations.
- Results of Analyses and Observations: Monitoring data will be presented in tabular form that includes the date, constituents, and concentrations. The data will be summarized illustrate whether the discharge complies with waste discharge requirements.

For intermittent discharges, as anticipated here, the annual SMR is due 45 days after the collection date of the annual samples.

The SMR /DMR will include the results for all monitoring specified in the MRP using USEPA-approved test methods or other test methods specified in Permit. If the County monitors any pollutant more frequently than required by the Permit, all monitoring results will be included in the calculations and reporting of the data.

The Annual SMR will be submitted using the State Water Board's California Integrated Water Quality System (CIWQS) Program: http://www.waterboards.ca.gov/water_issues/programs/ciwqs/. The Discharger shall electronically certify and submit the DMR together with SMR using Electronic Self-Monitoring Reports module eSMR 2.5 or any upgraded version. Electronic DMR submittal will be in addition to electronic SMR submittal.

Task 5 Budget: \$16,400

Deliverables:



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- Annual SMR / DMR.

Assumptions:

- Geosyntec will produce one Annual SMR / DMR package for review by the County with embedded comments/questions as track changes in the Word document (.docx) and one final revised version (.pdf) for submittal to the Regional Water Board.

Task 6. Active Treatment System Planning, Design, and Implementation Support

This task consists of Active Treatment System (ATS) design, procurement, and implementation support activities. The following support services are included in this task:

- **Conceptual ATS design support** – Geosyntec will assist in developing the conceptual design for the ATS. This will include analyzing influent water quality, assessing treatment requirements and regulatory limits, and recommending an effective treatment process. consisting of a series of unit operations to meet the discharge limits. The design will be presented as a block flow diagram illustrating the influent source(s), treatment schematic, unit operations, and discharge location.
- **Treatability study work plan development** – Geosyntec will develop a treatability study work plan to assess the effectiveness of the proposed treatment technologies. This plan will outline testing methodologies, sampling protocols, and performance criteria.
- **Vendor quote solicitation and evaluation** – Geosyntec will prepare a request for proposal (RFP) for the ATS and treatability study, distribute it to qualified vendors, and evaluate the received quotes. This evaluation will consider technical specifications, cost-effectiveness, vendor experience, and alignment with project requirements.
- **Vendor treatment system design and submittal review** – Geosyntec will review the selected vendor's detailed treatment system design and submittal documents. This review will evaluate the treatment system design against project specifications, regulatory requirements, and industry best practices.
- **Procurement support and coordination** – Geosyntec will provide procurement support, including assistance with contract negotiations, equipment specifications review, and coordination between the County and vendor throughout the procurement process.
- **Treatment system installation support** – Geosyntec will provide oversight during the installation of the treatment system. This task includes a site visit for up to 4 days to observe proper installation, adherence to the ATS design specifications, and monitor safety standards
- **Start-up and commissioning support** – Geosyntec will provide oversight during the start-up and commissioning of the treatment system. This task includes a site visit for up to 4 days to observe system functionality, oversee performance tests, and verify operator training completion.

Task 6 Budget: \$51,000.



Assumptions:

- This task does not include developing any design drawings issued for construction
- This task does not include construction management or construction administration services
- This task does not include specialty testing or inspections

Task 7. Design Services (Civil, Electrical, Instrumentation)

Under this task, Geosyntec will perform flow calculations for pressurized and gravity pipes, and prepare Design Drawings indicating pipe alignment, pump selection and controls, and electrical feed to pumps. This task includes the design of upsized pressurized pipe from the CMU Baker tank pumps to the 380,000-gallon CMU wastewater tank. Conveyances, including pipe, pumps, electrical system, and control system design from the CMU wastewater tank to the ATS are included. Geosyntec will also design pipes, pumps, electrical systems, and control systems for the conveyances between the CMU wastewater tank and the GWIT tank. Discharge piping design from the ATS, including integration of taps, sample ports, and monitoring points, is included as part of this task. The Design Drawings are expected to include the following: title sheet, notes, and specifications sheet, overall site plan, enlarged site plans, typical civil details, instrumentation controls, process flow diagram, electrical site plans, and typical electrical details. The Draft Design Drawings will be used for procurement and the Final Design Drawings will be issued for construction.

Deliverables:

- One Draft and one Final set of Design Drawings in PDF and CAD format
- Equipment lists and technical data sheets
- Flow and pressure calculations
- Electrical schematics and load calculations
-

Task 7 Budget: \$63,000

Assumptions:

- One consolidated set of comments will be received for the Draft Design Drawings, Draft Design Calculations Memorandum
- Consolidated comments will be received by Geosyntec two weeks following the submittal of Draft documents
- Discharge conveyances may be placed at grade
- Electrical and Instrumentation design is included (subcontractor cost of up to \$23,000)
- Survey is not included
- Seismic and/or structural design is not expected or included
- Geotechnical and/or environmental investigations are not included
- One site visit by two Geosyntec personnel is assumed for this task



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Task 8. Construction Engineering Support

Geosyntec will provide engineering support services during the construction phase. Engineering support services included with this task are as follows:

- **Review Submittals:** Geosyntec will review contractor submittals against contract documents and provide responses to the general contractor in coordination with the County. Up to 4 submittal reviews are assumed.
- **Respond to Requests for Information (RFIs):** In the event the general contractor submits RFIs, Geosyntec will provide a timely response in coordination with the County. Up to 2 RFIs reviews are assumed.
- **Document Control:** Geosyntec will maintain document control of contract documents. If necessary, Geosyntec will issue design addenda as necessary to maintain document control for the construction team. This includes preparation of Record Drawings.
- **Site Visits:** Geosyntec will budget up to two site visits to observe construction activities associated with pipe, pump, and/or electrical installation, as requested by the County

Task 8 Budget: \$15,800.

Assumptions:

- This task does not include construction management or construction administration services
- This task does not include specialty testing or inspections

Task 9. ATS Operational Support and Long-Term Planning

This task consists of support activities during ATS operations from November 2024 through May 2025 and planning for long-term system implementation. The following activities are planned:

- **ATS performance review and optimization** – Geosyntec will review year 1 ATS performance data and provide recommendations for system optimization. This may include suggestions for adjusting operating parameters, improving efficiency, or enhancing treatment effectiveness.
- **Long-term system planning** – Geosyntec will assist in planning for the long-term ATS implementation. The long-term ATS will incorporate any upgrades or modifications to the current ATS design based on a review of its performance during the first year of operation. This will include:
 - Evaluating new influent streams for ATS treatment
 - Developing a scope of work for selected additional treatment and ancillary equipment
 - Preparing and issuing bid requests
 - Analyzing received bids to support decision-making
 - Coordinating with potential vendors for long-term solutions, including additional treatment and ancillary equipment



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- **Change management support** – Geosyntec will provide support during the transition process from the temporary to the long-term ATS during the 2025 dry season. This includes:
 - Identifying key ATS changes and potential impacts on implementation
 - Developing a schedule for implementation
 - Assisting in developing a transition plan

Task 9 Budget: \$39,600.

Assumptions:

- This task does not include developing any design drawings issued for construction
- This task does not include construction management or construction administration services
- This task does not include specialty testing or inspections

Task 10. Additional As-Needed Building & Permitting Technical Support

This task includes other miscellaneous as-needed support for CEQA permitting, other permitting, or technical support, as requested and as the budget allows.

Task 10 Budget: \$29,900

Terms and Conditions

The total estimated costs for CMU Active Treatment System Permitting and Design Services Scope of Work described above are \$366,100.

This proposal is valid for 90 days. Geosyntec continues to appreciate the opportunity to work closely with the RRWMD on these technical projects. Please contact us if you have questions.

Sincerely,
Geosyntec Consultants, Inc.

A handwritten signature in cursive script, appearing to read "Brandon M. Steets".

Brandon Steets, P.E. (CA)
Senior Principal

A handwritten signature in cursive script, appearing to read "Maia Colyar".

Maia Colyar, P.E. (CA)
Project Engineer

Attachments:

Geosyntec Consultants 2024/2025 COSB Fiscal Year Rate Schedule



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**GEOSYNTEC CONSULTANTS
 2024-2025 COSB Fiscal Year Rate Schedule**

(All Values are in \$USD)

Staff Professional	\$165
Senior Staff Professional	\$190
Professional	\$215
Project Professional	\$240
Senior Professional	\$270
Principal	\$295
Senior Principal	\$315
Technician I	\$ 88
Technician II	\$ 96
Senior Technician I	\$107
Senior Technician II	\$115
Site Manager I	\$128
Site Manager II	\$140
Construction Manager I	\$152
Construction Manager II	\$164
Senior Designer	\$205
Designer	\$170
Senior Drafter/Senior CADD Operator	\$155
Drafter/CADD Operator/Artist	\$140
Project Administrator	\$ 95
Clerical	\$ 75
Direct Expenses	Cost plus 12%
Subcontract Services	Cost plus 12%
Technology/Communications Fee	3% of Professional Fees
Specialized Computer Applications (per hour)	\$ 15
Personal Automobile (per mile)	Current Gov't Rate
Photocopies (per page)	\$.09

Rates are provided on a confidential basis and are client and project-specific.
 Unless otherwise agreed, rates will be adjusted annually based on a minimum of the Producer Price Index for
 Engineering Services.

Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.
 Construction management fee presented upon request.