



## City Council Agenda Item

**City Council Meeting Date:** April 21, 2026

**TO:** Dean Albro, City Manager

**FROM:** Steve Clark, Solid Waste Regulatory Compliance Supervisor  
s\_clark@ci.lompoc.ca.us

**SUBJECT:** Approval of Change Order Request to Purchase Order with SWT Engineering, Inc., for Landfill Gas Remediation Project

---

### **Recommendation:**

Staff recommends the City Council authorize an amendment to Purchase Order (PO) No. 260336 with SWT Engineering, Inc. for an additional \$117,275 bringing the total amount to \$184,340.

### **Background:**

In 2017, a Gas Collection and Control System (GCCS) was constructed at the Lompoc Landfill. The GCCS was required, in large part, to remediate subsurface methane from migrating outside of the site's waste mass. The GCCS consists of thirty two (32) vertical gas extraction wells connected by a series of lateral and header pipes that direct methane gas to the system's enclosed flare station, where the methane is destructed through combustion. The system's purpose is to prevent subsurface methane from migrating laterally offsite and prevent gas emissions from the landfill surface. The GCCS is subject to the Landfill's Part 70 Permit to Operate (PTO 14708) which is enforced by the Santa Barbara County Air Pollution Control District (District). No additional gas wells have been installed since the GCCS began operation in July 2017.

To comply with CCR Title 27, Section 20921 - Gas Monitoring and Control, the Landfill has a gas monitoring network to detect the presence of landfill gas migrating laterally beyond the waste mass of the disposal site. The network consists of twelve (12) gas monitoring probes situated around the perimeter of the landfill, outside of the waste mass. Pursuant to its operating permits with CalRecycle and the Central Coast Regional Water Quality Control Board (CCRWQCB), the probes are monitored quarterly in order to detect whether subsurface methane is migrating offsite. The concentration of methane gas migrating from the disposal site must not exceed 5% by volume.

April 21, 2026

Funding Authorization for Landfill Gas Remediation Project

Page 2 of 3

On March 6, 2024, routine perimeter gas probe monitoring by the City's operations and maintenance contractor identified methane concentrations of 6.7% by volume in monitoring probe GMP-16R(D). This exceeded the regulatory threshold of 5% by volume established under Title 27 CCR Section 20921. Efforts to prevent methane from migrating to the perimeter have included well tuning and increasing the vacuum at the flare station. However, quarterly readings at GMP-16R(D) have remained above the 5% regulatory threshold and the Landfill remains in violation of Title 27 CCR Section 20921.

On May 20, 2025, the Solid Waste Division received a letter from CalRecycle, providing notification that the Lompoc Landfill would be included on the Inventory of Solid Waste Facilities Which Violate State Minimum Standards for the continued non-compliance with 27 CCR related to gas monitoring and control of excessive gas concentrations. On September 9, 2025, the Division received a letter from Santa Barbara County's Local Enforcement Agent (LEA) which required the submittal of a Corrective Action Plan (CAP) by October 13, 2025. The correspondence from CalRecycle and the LEA referenced above is provided in Attachment 1.

The requirements described above require engineering consultants with expertise in landfill gas collection and control systems. In September 2025, under PO 260336 (Attachment 2), the City procured services with SWT Engineering, Inc. (SWT) to develop a Compliance Action Plan (CAP) to remediate the subsurface methane gas from migrating offsite. In addition to increasing the vacuum the site's LGCCS to extract more methane from the waste mass, the ultimate remedy in the CAP is to install four new, and one replacement, gas extraction wells within the sphere of influence of the lateral gas migration. As shown in Attachment 1, the CAP and the City's revised timeline were accepted by the LEA on October 23, 2025, and November 6, 2025, respectively. Pursuant to the CAP (Attachment 3), construction is to be completed by September 4, 2026, and compliance ultimately achieved by December 11, 2026.

As shown in Attachment 2, Change order No. 1 to PO 260336 added \$32,707 and provided funding for developing the GCCS expansion design, bidding documents, and engineering support during the bidding process. Staff anticipates that the City's Engineering Division will solicit the bid to qualified contractors in April 2026.

**Discussion:**

Staff is seeking authorization for change order No. 2 to PO 260336 in the amount of \$117,275. As described in SWT's proposal in Attachment 4, the change order will provide the necessary engineering support services following the results of the construction bid process. Engineering oversight will be provided during all phases of construction: pre-construction, during construction, and post-construction. Approval of the change order request will allow the Division to continue with all phases of the construction for the gas remediation project and ultimately achieve compliance with CalRecycle regulations.

**Fiscal Impact:**

All costs related to these purchases are included in the adopted Biennial Budget Fiscal Years 2025-27. The additional \$117,275 on PO 260336 will enable SWT to provide the engineering and construction oversight for the final phase of the Landfill's gas remediation project. Total costs of \$184,340 will be expensed from account 759SWL-798370 Landfill Gas Collection and Control System, which provides sufficient funding.

**Conclusion:**

Authorizing additional funding to PO 260336 will enable the Landfill to continue moving forward with its GCCS expansion project to prevent subsurface methane from migrating offsite. The four additional, and one replacement, gas collection wells are critical for the Landfill to return to compliance with State minimum standards related to Title 27, CCR Sections 20921 and 20939 for Gas monitoring and Control, and Control of Excessive Gas Concentrations. Furthermore, the GCCS expansion project will also improve long term compliance with the control of methane surface emissions from the waste mass, pursuant to the site's permit to operate with the Santa Barbara Air District. If the change order is not approved, then the project will not be completed pursuant to the CAP timeline. This will place the Landfill in further compliance jeopardy and may result in significant monetary penalties.

Respectfully submitted,

---

Steve Clark, Solid Waste Regulatory Compliance Supervisor

**APPROVED FOR SUBMITTAL TO THE CITY MANAGER:**

---

Michael Luther, Utility Director

**APPROVED FOR SUBMITTAL TO THE CITY COUNCIL:**

---

Dean Albro, City Manager

Attachments: 1) CalRecycle and LEA Correspondence  
2) SWT PO 260336  
3) Corrective Action Plan (CAP)  
4) SWT Phase 2 Proposal for Gas Remediation Construction Oversight