

**RFP# 8520 Odor Control for S016 Sewer Pump Station and Force Main Contract
Questions and Answers**

1. Is Sacramento Area Sewer open to considering alternative technologies for this project?

SacSewer is seeking a microbiological chemical injection to address odor in the PS and FM. We may consider other methods/technologies in our future projects, but not for this RFP.

2. Product pricing and labor costs, how do you want this listed in the response?

The RFP does not specify a required format or placement for these items. To ensure clarity and ease of review, please include this information in a clearly labeled section of your submitted proposal.

3. Additional required documents, SDS and Certificate of analysis. How do you want them listed?

The RFP does not specify a required format or placement for these items. To ensure clarity and ease of review, please include this information in a clearly labeled section of your submitted proposal.

4. The district is also asking for a performance bond and payment bond. Do they need to be listed with the insurance documents?

The RFP does not specify a required format or placement for these items. To ensure clarity and ease of review, please include this information in a clearly labeled section of your submitted proposal.

5. How to complete the subcontractor list if there will be no subcontractors?

If there will be no subcontractors used, please specific this on subcontractors page.

6. Do we need a payment bond if we are not using any subcontractors?

A payment bond will not be needed if there will be no subcontractors.

7. Non collusion declaration, where do we list it in the proposal?

The RFP does not specify a required format or placement for these items. To ensure clarity and ease of review, please include this information in a clearly labeled section of your submitted proposal.

8. What is the distance in feet from the S016- Larry Way PS to CARV005?

Attachment A (updated) shows the requested distances.

9. What is the distance in feet from CARV005 to CARV006?

Attachment A (updated) shows the requested distances.

10. What is or was the H₂S ppm at S016- Larry Way PS before microbial injection? (0-24?)

0 to 6 ppm in CARV manholes and 0 to 23 ppm in wet well

11. What was the H₂S ppm at S015 prior to being decommissioned?

This data is unavailable.

12. Can SacSewer provide additional detail on the specific performance outcomes it prioritizes most (e.g.. H₂S reduction targets, odor complaints, downstream process impacts) so vendors can tailor dosing strategy and product selection accordingly?

- *H₂S reduction target is 1 ppm or below in the S016 wet well and two CARV MHs, and 0 ppm at the FM outfall MH.*
- *Odor complaints to be as few as possible*
- *Downstream process impact is not significant*

13. Would SacSewer be willing to share historical odor or H₂S data (before and after Microbe-Lift implementation) to help vendors understand seasonal trends and system sensitivity?

Yes, SacSewer can share the historic odor and H₂S data before/after Microbe-Lift. Summary of data is attached. Note that Microbe-Lift injection started on 9/30/24. See Attachment B. SacSewer can provide the H₂S excel files and water sampling data files, if necessary. The site is not a high H₂S generating site, rather it is more prone to generic odor complaints by the residents adjacent to the S016 wet well and two combination air relief valve (CARV) manholes on the force main.

14. Could SacSewer clarify the following items collectively:

- A. Whether any flexibility exists within the insurance minimums, particularly Contractor Pollution Liability, for vendors supplying only non-hazardous biological products.
 - *SacSewer can work with vendors on this if it does not put additional liability on SacSewer and meets the minimum requirements. Any exceptions can be listed on exception/response page 45 of the RFP.*
- B. Any preferred product certifications (NSF/ANSI, non-pathogenic classification, shelf-life thresholds, etc.)-
 - *shelf-life thresholds is something we would be looking for (such as 1 or 2 year shelf life). NSF/ANSI standards or non-pathogenic classification are not specified the RFP, but expected to match industry standards.*
- C. Whether chemical products for this contract are subject to Sacramento County sales tax, or if exemptions apply.
 - *Product/materials are subjected to Sacramento County sales tax. Do not include sales tax in the vendor's unit cost proposal.*
- D. Confirmation of whether shipping directly to SacSewer's receiving facility is acceptable versus onsite vendor delivery.
 - *SacSewer is open for both options- vendor's delivery service to the site is optional. When vendor delivers the product, it should go to S015 site. If product is delivered to SacSewer, it should be delivered directly to SacSewer's north yard (NACY), which is very close to the S015 site.*

15. Can SacSewer provide the specifications (model, metering rate, pressure range) for the injection pumps currently installed at S015 to ensure compatibility with vendor products?-

Currently there are two Rola-Chem Pro Series 300 peristaltic chemical pumps at S015, pumping from two separate tanks (one from Microbe-Lift DGTT tank and the other one from Microbe-Lift IND tank). Following are the current pump specs:

Rola-Chem Pro Series 300, 120/240 vols, 60 HZ, 2.5 amps, 30 psi max dispense line pressure. Current Model is RC307, but will be changing it to RC303 Model (12 GPD in Continuous Mode). Feed rate is set 3 to 4 gallons per day, and the pump runs for 30 sec or so and then stops for 9 min or so, and continue the cycles throughout the day.

16. Is SacSewer open to alternative daily feed rates, including potentially lower gallons per day, if supported by performance data demonstrating equal or improved odor control?-

Yes, SacSewer is open to it.

17. For quarterly sampling, can SacSewer clarify whether vendors are responsible for laboratory analysis costs, or only field data collection?

SacSewer has capabilities of laboratory test and field data collection, and can share the data with the vendor. Vendors can also take water samples for analysis or collect field data on their own, if needed. SacSewer can assist vendors collecting the data. The cost of vendor's data collection should be a part of service cost (optional), but bid unit cost of the product should consider that SacSewer is providing required field/sampling data to the vendor to analyze and optimize the dosages.

18. Could SacSewer confirm the expected delivery method (tote deliveries, drum deliveries, or bulk transfer), and whether vendors have direct access to transfer chemicals into the onsite tanks, or if SacSewer staff must be present for all transfers?

SacSewer prefers drum deliveries for products shipped to SacSewer's north yard (NACY) for ease of handling. Tote or Drum delivery is good when vendor is doing the optional delivery. Bulk Transfer is not preferred but if the vendor can deliver that directly to the site in a safe way that would be okay. There is little storage space in the shed at S015. SacSewer prefers not to store huge volume of chemicals at NACY for several months' usage, rather prefers delivery of chemicals that are used in a month or two.

19. For the required 24-hour emergency delivery window, is after-hours or weekend access supported by SacSewer staff availability?

It is very unlikely that kind of emergency would occur, but if it does, SacSewer has standby crews who can handle after-hour emergency delivery.

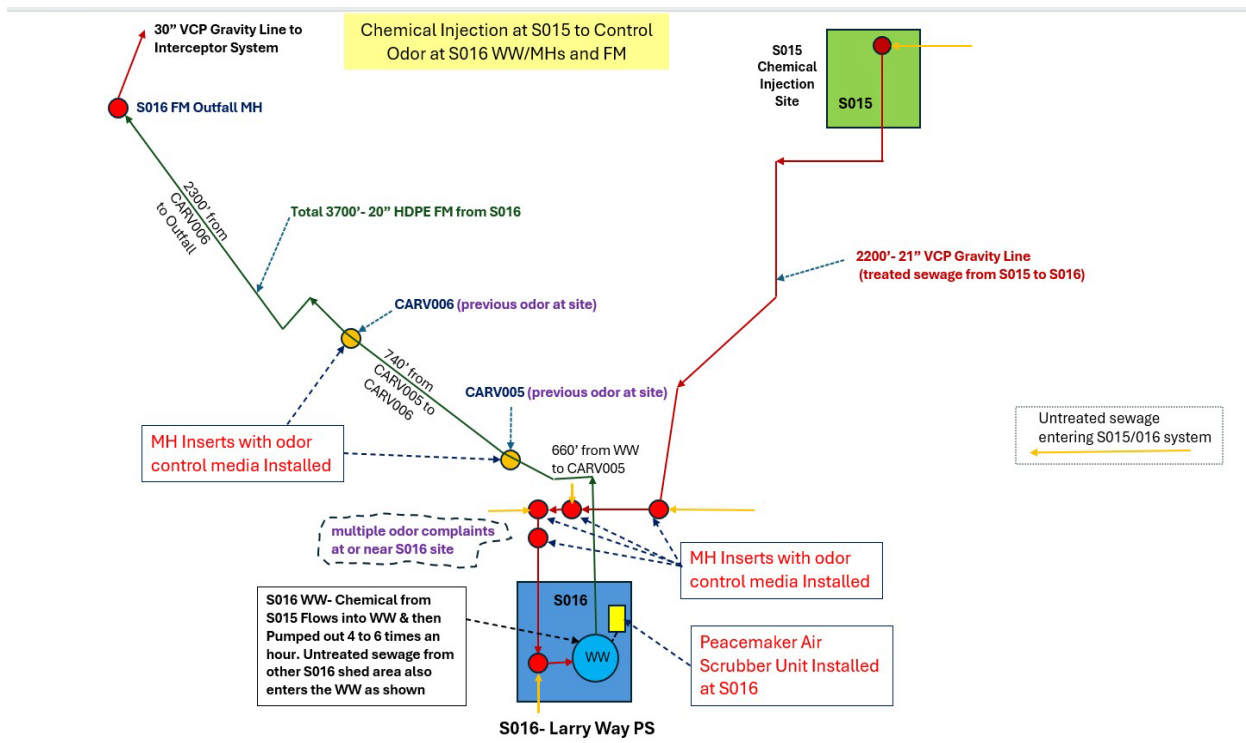
20. Given the chemical-only nature of the contract, would SacSewer consider basing the performance bond on actual annual contracted spend rather than estimated maximum usage?

SacSewer can do that, however, maximum usage would not be too far off from our estimate. Our estimate considers maximum usage.

21. Can SacSewer provide any information regarding the current annual budget or historical spend for microbial odor control at S015/S016 to help vendors present appropriately scaled solutions? –

SacSewer estimates approximately \$96,000 in chemicals cost per year for this site, based on data from the last 1.5 years.

Attachment A



Attachment B

H2S Data in CARVs and S016 WW- Microbial Chemical Injection at S015 to Control Odor at S016 System				
Location	Date Range	H2S Avg, ppm	H2S Max, ppm	Comments
S016-CARV005	4/10/24 to 4/18/24	1	4	
S016-CARV005	7/17/24 to 8/1/24	0.7	5	
S016-CARV005	9/27/24 to 9/30/24	1.6	4	
S016-CARV005	10/1/24 to 10/7/24	0.8	3	Microbe-Lift Injection started on 9/30/24 at S015
S016-CARV005	10/28/24 to 11/25/24	0.9	7	
S016-CARV006	4/10/24 to 4/18/24	1.5	6	
S016-CARV006	7/17/24 to 8/1/24	2.6	18	
S016-CARV006	9/27/24 to 9/30/24	1.4	7	
S016-CARV006	10/1/24 to 10/7/24	0.8	6	Microbe-Lift Injection started on 9/30/24 at S015
S016-CARV006	10/28/24 to 11/25/24			
S016- WW	8/28/24 to 9/4/24	9.3	23	
S016- WW	10/2/24 to 10/21/24	3.5	51	Microbe-Lift Injection started on 9/30/24 at S015
S016- WW	10/28/24 to 11/25/24	2.4	18	

Regional San Lab Data Compilation- S016 Odor Control by Injecting Microbial Chemicals at S015													
Location	Sample Date	pH	Temp degF	EC, umhos/cm	DO, mg/l	Dissolved Sulfide mg/l	Total Sulfide ppm	Ammonia mg/l	Residual Nitrate	TSS mg/l	BOD mg/l	COD mg/l	Comments
S016- WW	9/18/2024	7.6	79.5	640	3	1.4	10	44	ND	270	350	610	before Microbe-Lift Injection
S016-WW	10/24/2024	8.1	71.7	950	3.3	0.14	<10	75	ND	140	270	640	after injection (on 9/30/24)
S016-WW	12/4/2024	8.1	68.1	880	3.4	ND	<10	64	ND	220	300	600	after injection (on 9/30/24)
S015-CARV005	9/18/2024	7.5	79.6	650	3.2	0.055	<10	44	ND	210	280	630	before Microbe-Lift Injection
S015-CARV005	10/24/2024	8.1	71.6	960	7	0.42	<10	63	1	260	420	660	after injection (on 9/30/24)
S015-CARV005	12/4/2024	8	70.4	820	5	ND	<10	60	0.046	220	330	660	after injection (on 9/30/24)
S016 FM Outfall	9/18/2024	7.3	79.2	660	3	0.13	<10	45	ND	290	350	840	before Microbe-Lift Injection
S016 FM Outfall	10/24/2024	7.8	73.8	980	2.3	1.1	<10	69	ND	200	290	710	after injection (on 9/30/24)
S016 FM Outfall	12/4/2024	7.8	71	910	1.9	0.057	<10	65	ND	290	340	620	after injection (on 9/30/24)