



2026 Redondo Primary and Secondary Clarifiers Rehabilitation (26-1724)

Registered

Lakehaven Water and Sewer District, Washington

Details

Interest List

Q&A (23)

Changes

Ask a Question

Submit questions before the Q&A deadline on
October 20, 2026 at 12:00 PM PDT

Questions & Answers

Search questions



1. Instructions to Bidders §10.3 says an approved equal must be submitted to the Project Manager "so that it may (or may not) be approved as an equal by the Project Manager at least two (2) weeks prior to the bid opening." Specification Section 01 25 00, §1.01.A.1 says "Application for such acceptance will not be considered until after the Effective Date of the Contract." Please confirm whether approved equal requests are to be submitted before the bid or after award.

RESPONSE:

See forthcoming Addendum No. 1.

2. I would like to request that Envirodyne Systems be added by addendum as an approved clarifier manufacturer alongside Kusters and WesTech for the replacement of the two Primary and two Secondary Clarifier mechanisms.
The specified scope is a complete clarifier system—not simply replacement components—and Envirodyne is well suited to provide that responsibility. Envirodyne can furnish the complete engineered package including the center drive, center column, collector

mechanism, skimmer and scum box, scum baffles, effluent troughs, assembly hardware, anchor bolts, controls, and all accessories required for a complete and properly operating installation.

Envirodyne can meet the specified performance requirements while providing the Contractor and Owner another competitive option for equipment selection, pricing, lead time, and long-term support. link to web: Envirodyne Clarifiers

We are not requesting any reduction in the specified performance, materials, installation requirements, or supplier responsibility. Envirodyne can meet the same specification requirements as Kusters and WesTech and would take responsibility for providing a complete system that integrates with the existing basins and results in four properly operating clarifiers.

I would appreciate your consideration of adding Envirodyne Systems as an approved manufacturer by addendum. We can quickly provide qualifications, references, drawings, or any additional technical information needed to support the request.

RESPONSE:

See forthcoming Addendum No. 1. Complete information required for consideration of an approved equal clarifier manufacturer should be emailed to kbreard@lakehavenwsd.gov and procurement@lakehavenwsd.gov.

3. Can you please provide the specified materials for +/-2" thick grout or the contact for the specified rotating equipment manufacturer please? Refer to Note E on Drawing S-01

RESPONSE:

See pending Addendum No. 3.

4. DESCRIPTION OF THE ISSUE

Owner will drain and clean one primary and one secondary clarifier for field verification before in-tank submittals. No clarifier may be removed from service October 1 - April 30. Earliest verification is therefore May 2027; with 26-40 week fabrication the first mechanism arrives in 2028, leaving one dry season for four sequential tank outages against a 30 Sep 2028 deadline.

QUESTION / INFORMATION REQUESTED

Will the Owner drain and clean one primary and one secondary clarifier during the 2026-27 Wet Season to permit submittal development, or alternatively extend the completion date? Please confirm by addendum the dates on which the Owner will make each tank available.

CONTRACTOR'S SUGGESTED RESOLUTION

(a) that the Owner will drain and clean one primary and one secondary clarifier during the 2026-27 Wet Season, on or before 15 January 2027, so that in-tank submittals can be developed in time for equipment release in 2027; (b) that field verification may be performed from record drawings with a stated dimensional tolerance and a Change Order adjustment after the first outage; or (c) that Substantial Completion is extended to 30 September 2029. Absent one of these, the four sequential dry-season outages does not appear to be able to be performed within the stated Contract Time.

RESPONSE:

See pending Addendum No. 3.

5. Note 6 on M-01 references S-06 for Fresh supply air supports. S-06 supports do not apply to this duct. Please provide details.

RESPONSE:

See pending Addendum No. 3.

6. Please clarify if the intent for ducting is as follows: New duct and supports at the secondary clarifiers, and reuse existing duct and supports at the primary clarifiers. Note 3 and 6 on M-01, for the primary clarifiers, reference S-06 for supports which are shown as new. However, note 2 on D-01 calls for removal of ductwork and other features to be salvaged for reinstallation. Please clarify.

RESPONSE:

The intent is for new foul air ductwork, new fresh supply air ductwork, and new supports to be installed for both secondary clarifiers. The existing foul air ductwork, fresh supply air ductwork, and supports are to be reused and reinstalled for both primary clarifiers to match existing conditions. The one new type of support to be installed in the primary clarifiers is the inlet support bracing on the foul air ductwork suspended from the roof of both primary clarifiers. Refer to detail 4 on sheet S-06 for this additional bracing to be installed for the primary clarifiers foul air ductwork.

See pending Addendum No. 3.

7. How much does one section of roof panel weigh?

RESPONSE:

See pending Addendum No. 3.

8. Drawing D-02, General Note 2, states "prior to development of submittals for the in-tank elements, Owner will drain and clean one primary and one secondary clarifier for Contractor to verify all dimensions." Specification 01 12 16, §1.08.A.1, states "during the Wet Season, no clarifiers may be removed from service at any time." Will the Owner drain these two clarifiers for field verification before May 1, 2027?

RESPONSE:

See pending Addendum No. 3.

9. Please provide as-built drawings for the existing roof panels.

RESPONSE:

The Owner does not have the as-built drawings for the existing roof panels. See pending Addendum No. 3 for additional information on the existing roof panels.

10. Section 44 42 24.01_2.05.G requires the clarifier drive unit use a hydraulic reducer, strip liner bearing, and cast iron housing. Will a cycloidal reducer, precision bearing, and fabricated steel housing be acceptable alternatives? WesTech has included these features on hundreds of clarifier drives and recommends them as equivalent equipment to the drive specified.

RESPONSE:

See pending Addendum No. 3.

11. Can the cedar trees between the crane area and secondary clarifiers be cut down for access?

RESPONSE:

The trees near the crane area for the secondary clarifiers may be trimmed. The Owner's preference is to not cut down trees.

12. 1. Could you allow for our drive per the attached language? The drive requirements as currently listed in the spec are not something we can meet. We would prefer to provide a drive with cycloidal reducer, precision bearing, and fabricated steel housing since we believe those to comprise a strong overall package for clarifier drives. The schedule we have discussed also assumed we would be providing our drive per the budgetary quotes we sent.

RESPONSE:

See pending Addendum No. 3.

13. What are the storage requirements for the roof panels?

RESPONSE:

See pending Addendum No. 3.

14. Specification 01 75 00, §3.03.F.1.i, requires a minimum 30-day Operational Test Phase "for each process area or unit process," and §3.04.I requires a 30-day Commissioning Period. Specification 01 12 16, §1.01.A.2, states "only one (1) clarifier ... can be offline at a time." Must each rehabilitated clarifier complete its Operational Test Phase and Commissioning Period before the next clarifier is taken offline?

RESPONSE:

See pending Addendum No. 3.

15. Drawing D-02, General Note 2, states the Owner will drain and clean one primary and one secondary clarifier for field verification before in-tank submittals are developed. Specification 01 12 16, §1.08.A.1, states "during the Wet Season, no clarifiers may be removed from service at any time," so field verification cannot occur before May 1, 2027. Submittal review, fabrication, and delivery must follow, and §1.01.A.5 states "demolition in a clarifier cannot begin until the new clarifier equipment has arrived onsite." That places mechanism delivery, and the first clarifier rehabilitation, in the 2028 Dry Season. Specification 01 75 00, §3.03.F.1.i and §3.04.I, require a 30-day Operational Test Phase and a 30-day Commissioning Period, and Proposal page P-2 requires completion "not later than September 30, 2028." Completing the fourth clarifier's testing and commissioning by that date leaves approximately 92 days of the 2028 Dry Season for four sequential outages. Each outage includes demolition, concrete repair with a 28-day

cure before joint sealant repair (Drawing S-05), mechanism installation, and functional testing. Will the Owner extend the Contract Time to include the 2029 Dry Season?

RESPONSE:

See pending Addendum No. 3.

16. Question:

Spec 23 31 13.05 doesn't state a required material for the new foul air and fresh air ductwork at Secondary Clarifiers No. 1 and No. 2.

§2.01.A gives only performance criteria: suitable for an airstream with H₂S above 1 ppm, SMACNA Class 5 (corrosive, moist).

§2.02.F and §2.03.F give aluminum requirements (ASTM B209, Alloy 3003-H14) but say "unless indicated otherwise." They don't say the ductwork shall be aluminum.

M-04 doesn't call out a duct material.

The only drawing reference is S-06, which labels the supported duct "ALUMINUM DUCT. SEE MECHANICAL."

Please confirm the following:

1, Both the foul air and fresh air duct systems are to be aluminum, ASTM B209 Alloy 3003-H14.

2, Either construction method in §2.02 (butt-welded with Van Stone joints) or §2.03 (spiral or grooved seam lock with welded flanged connectors) is acceptable in aluminum.

RESPONSE:

1. Yes, the specifications and sheets specify new aluminum ductwork to be installed in the secondary clarifiers, per section 23 31 13.05 2.02.F. and 2.03.F. and sheet S-06.

2. Yes, either construction method specified in 2.02.F. and 2.03.F. is acceptable for the aluminum ductwork to be installed in the secondary clarifiers.

17. DESCRIPTION OF THE ISSUE

01 11 00 requires furnishing and installing NEW odor control and ventilation ductwork in the secondary clarifier building. Bid Item 7 provides payment only for 'reinstallation of the foul air ductwork removed under Bid Item No. 6.

QUESTION / INFORMATION REQUESTED

Under which bid item is the furnishing and installation of new secondary foul air and fresh air ductwork paid?

CONTRACTOR'S SUGGESTED RESOLUTION

Respond either adding the furnishing and installation of the new secondary foul air and fresh air ductwork to the description of Bid Item 7, or creating a separate lump sum bid item for that work.

RESPONSE:

See pending Addendum No. 3.

18. DESCRIPTION OF THE ISSUE

Removal of the +/-2 in grout topping slab is named in Bid Items 2 and 6. Placement of new topping grout is shown on the drawings but named in no bid item, and Section 03 62 00 contains no topping-slab product.

QUESTION / INFORMATION REQUESTED

Please identify the specification section and product for the topping grout, and the bid item under which its placement is paid.

CONTRACTOR'S SUGGESTED RESOLUTION

Respond adding a topping grout product to Section 03 62 00 (or a new section), stating the required thickness, surface preparation, bonding agent and finish tolerance, and naming the bid item under which placement is paid.

RESPONSE:

See pending Addendum No. 3.

19. DESCRIPTION OF THE ISSUE

01 73 23 specifies IBC 2009 / ASCE 7-05, SS=1.2g, S1=0.42g, Site Class C, SDS=0.80g, SD1=0.39g. S-01 specifies IBC 2021 / ASCE 7-16, SS=1.365g, S1=0.469g, Site Class D, SDS=1.092g. A 36% difference. 44 42 24.01 directs the mechanism manufacturer to design to 01 73 23.

QUESTION / INFORMATION REQUESTED

Which criteria govern the design of the clarifier mechanisms, walkways, launder supports and post-installed anchors? Please also confirm the governing wind and snow criteria, which appear only in 01 73 23 under the superseded code.

CONTRACTOR'S SUGGESTED RESOLUTION

Respond confirming that Drawing S-01 §B (IBC 2021 / ASCE 7-16, Site Class D, S_s=1.365g, S₁=0.469g, S_{os}=1.092g) governs for all new and modified structures,

equipment anchorage and mechanism design, and superseding Spec 01 73 23 §§E, F and G in their entirety, including the wind and snow criteria, with values restated under the 2021 code.

RESPONSE:

See pending Addendum No. 3.

20. DESCRIPTION OF THE ISSUE

M-05 Keynote 1 calls for FRP effluent troughs with associated STAINLESS STEEL supports. M-05 Keynote 2, on the same sheet, calls for associated COATED STEEL supports and anchors. 44 42 28 §2.03.B and Bid Item 7 both say stainless steel brackets.

QUESTION / INFORMATION REQUESTED

Please confirm that Type 316 stainless steel supports and brackets govern for the secondary clarifier FRP effluent launders.

CONTRACTOR'S SUGGESTED RESOLUTION

Respond confirming that Type 316 stainless steel supports, brackets and anchors govern, consistent with Spec 44 42 28 §2.03.B and the description of Bid Item 7, and deleting the reference to coated steel supports in Drawing M-05 Keynote 2.

RESPONSE:

See pending Addendum No. 3.

21. Existing rake arm shop drawings:

G-03 Gen Note 2 says shop drawings are available but are not in the bid set. Can the existing rake arm shop drawings be furnished? Are there any other equipment shop drawings available for contractor review?

RESPONSE:

See pending Addendum No. 3 for the original rake arm shop drawings of which the District has record.

22. DESCRIPTION OF THE ISSUE

S-01 specifies the 2021 IBC with Washington State and CITY OF FEDERAL WAY amendments. The project is at 515 S 288th Street, Des Moines, WA, and 01 41 26 confirms the Owner obtains City of Des Moines site development and building permits and the Contractor obtains a City of Des Moines electrical permit.

QUESTION / INFORMATION REQUESTED

Please confirm that City of Des Moines amendments and special inspection requirements govern.

CONTRACTOR'S SUGGESTED RESOLUTION

Responde correcting Drawing S-01 §B.1.a to read '2021 International Building Code with Washington State and City of Des Moines amendments,' and confirming that the City of Des Moines special inspection and permit requirements govern, consistent with Spec 01 41 26 §1.02.A.

RESPONSE:

See pending Addendum No. 3. Special inspection will be as required by the Building Permit issued by the City of Des Moines.

23. Is nondestructive testing per Spec 05 05 23 incidental to Bid Items 16, 17 and 18, which state only that welding preparation, preheat and welding are incidental.

RESPONSE:

See pending Addendum No. 3.