

City of San Leandro  
 Civic Center, 835 E. 14th Street  
 San Leandro, California 94577



**WPCP WASTE ACTIVATED SLUDGE UPGRADES  
 PROJECT NO. 08-593-52-230**

**CITY OF SAN LEANDRO**

**ADDENDUM NO. 2**

November 3, 2008

TO: All Prospective Bidders

The additions and/or deletions contained in this Addendum shall be made a part of the plans and specifications and contract documents for the above described project, and shall be subject to all applicable requirements hereunder, as if originally shown and/or specified.

**THE BID PROPOSAL PACKAGE SHALL BE REVISED AS FOLLOWS:**

<b>Addendum Item</b>	<b>Document</b>	<b>Section or Drawing</b>	<b>Description</b>
<b><u>SPECIFICATIONS</u></b>			
2.01	Specifications	01040, Section 2.0 D, Page 01040-3	Delete the following paragraphs: "The Contractor shall install and maintain dewatering systems around the tanks to lower the groundwater sufficiently to perform the required Work and to protect the structural integrity of the drained tank. Groundwater shall be drawn down to such a level that the tanks will be completely drained and dried. Pumping, dewatering, or bypass systems shall be successfully operating prior to taking any tank out of service."  and add the following paragraph in its place: "The existing sludge thickener tank has been abandoned and does not contain water. On rare occasions, the City has used the tank for flow equalization. Contractor may assume that the tank will be empty during construction but the City may need to use the tank for flow equalization. City shall provide the Contractor with 24 hours notice when sludge thickener tank is needed."

Tony Santos, Mayor

City Council: Surlene G. Grant; Michael J. Gregory; Jim Prola;  
 Diana M. Souza; Joyce R. Starosciak; Bill Stephens

Addendum Item	Document	Section or Drawing	Description
2.02	Specifications	09900, Section 3.06, Item 3(a), Page 09900-25	Delete the following: "(a) Immersed tank and channel walls and bottoms common with dry area or room  Epoxy resin (see Section 07100)"  And replace the following: "(a) (NOT USED)"
2.03	Specifications	11772, Section 1.01 E, Page 11772-2	In the first line of the column titled Value, delete the following: "30", and replace with the following: "55".
2.04	Specifications	11772, Section 1.01 E, Page 11772-2	In the second line of the column titled Value, delete the following: "0.5", and replace with the following: "1.5".
2.05	Specifications	11772, Section 1.01 E, Page 11772-2	In the fourth line of the column titled Value, delete the following: "150", and replace with the following: "240".
2.06	Specifications	11772, Section 1.01 E, Page 11772-2	In the fifth line of the column titled Value, delete the following: "500", and replace with the following: "170".
2.07	Specifications	11772, Section 2.01, Page 11772-4	At the end of the paragraph, add the following: "as manufactured by Fluid Dynamics, Boulder, CO".
2.08	Specifications	11772, Section 2.02, Page 11772-5	In the third line, delete the following: "and secondary".
2.09	Specifications	11772, Section 2.03 B, Page 11772-5	In the second sentence of the first paragraph, delete the following sentence in its entirety: "Dilution units shall be provided with two pumps and two separate mixing units (if required) to meet the specified operating conditions."
2.10	Specifications	11772, Section 2.03 B, Page 11772-5	In the second paragraph, delete the following: "Viton", and replace with the following: "fluoroelastomer"

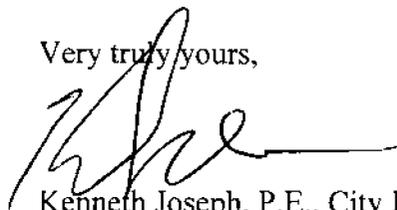
Addendum Item	Document	Section or Drawing	Description
2.11	Specifications	11772, Section 2.03 B, Page 11772-5	In the third paragraph, delete the following sentence in its entirety: "A pump selector switch shall be included."
2.12	Specifications	11772, Section 2.03 C, Page 11772-5	<p>In the first paragraph, delete the following: "The blending unit shall be capable of activating and diluting neat polymer from storage totes. Polymer activation shall be by means of a pressure-regulated hydraulic mixing circuit, complete with premix manifold, booster pump and recycle capabilities. Dispersion of the polymer into the dilution water shall be accomplished by increasing the polymer pressure, with a booster pump, to 20 psi above the dilution water inlet pressure. A portion of the stock solution is recycled through the premix manifold. Use of dilution equipment with alternate mixing methodologies, such as static mixing shall not be accepted."</p> <p>and replace with the following: "A non-mechanical hydrodynamic blending device specifically designed to dilute and activate emulsion, dispersion and solution type polymer with viscosities up to 75,000 cps and active contents up to 75 percent shall be provided. At no time shall polymer be exposed to excessive shear. System's which are "retention time dependent", a system which is prone to induce insufficient or excessive mixing energy depending on flow rate and the subsequent retention time in the mixing chamber, or which utilize conventional static mixers, mixing blocks, eductors or flash mixers, shall not be considered. All components that require periodic maintenance shall be readily accessible."</p>
2.13	Specifications	11772, Section 2.03 C, Page 11772-6	In the second sentence of the second paragraph, delete the following: "pressure transmitter", and replace with: "differential pressure switch".
2.14	Specifications	11772, Section 2.03 C, Page 11772-6	In the third paragraph, delete the following: "30", and replace with the following: "55"

Addendum Item	Document	Section or Drawing	Description
2.15	Specifications	11772, Section 2.04, Page 11772-6	In the second sentence, delete the following sentence in its entirety: "Motors 1/2 HP or greater shall be provided to operate on 460V AC, 3 phase, 60 Hz power."
2.16	Specifications	11772, Section 2.05, Page 11772-6	In the fifth line, delete the following: "20 amp", and replace with the following: "15 amp".
2.17	Specifications	11772, Section 2.05 A, Item 4, Page 11772-6	Delete the following item in its entirety: "Pump selector switch."
2.18	Specifications	11772, Section 2.05 C, Item 2 d, Page 11772-7	Delete the following item in its entirety: "Mannich pump running status."
2.19	Specifications	11772, Section 2.05 C, Item 2 e, Page 11772-7	Delete the following item in its entirety: "Emulsion pump running status"
2.20	Specifications	11772, Section 2.06, Page 11772-7	Delete the following paragraph in its entirety: "The polymer dilution and feeder units shall be provided with flow calibration chamber assemblies. Each assembly shall include a calibration chamber, three valves, 2-inch connector tubing, fittings, a mounting plate, and required supports. Calibration chambers shall have capacities of 2,000 milliliters for emulsion pumps and 4,000 milliliters for mannich pumps. Calibration chambers shall be graduated in 10 milliliter increments along the side of the chambers.", and replace with the following: "The polymer dilution and feeder units shall be provided with flow calibration chamber assemblies with isolation valves. Each assembly shall include a calibration chamber sized for a one minute drawdown at maximum pump capacity. Calibration chambers shall be graduated in 10 milliliter increments along the side of the chambers."

<b>Addendum Item</b>	<b>Document</b>	<b>Section or Drawing</b>	<b>Description</b>
2.21	Specifications	11772, Section 3.03, Page 11772-9	In the third line, delete the following: "not less than 12 hours", and replace with the following: "one 8 hour day".
			<b><u>DRAWINGS</u></b>
			<b>Location and Description</b>
2.22	Drawings	DWG 696	Add the following Note 2: "DEMOLISH AND DISPOSE OF SLUDGE THICKENER ALUMINUM COVER AND APPURTENANCES. ESTIMATED WEIGHT OF COVER IS 16,000 TO 20,000 POUNDS."
2.23	Drawings	DWG 696	Add the following Note 3: "FOLLOWING DEMOLITION OF ALUMINUM COVER AND SLUDGE THICKENER UNIT, PRESSURE WASH INTERIOR CONCRETE WALLS. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF WASHWATER. CONTRACTOR MAY ASSUME THAT THE SLUDGE THICKENER WILL NOT CONTAIN WASTEWATER OR SLUDGE."
2.24	Drawings	DWG 696	Add the following Note 4: "DEMOLISH AND DISPOSE OF 2-INCH GROUT LAYER AT THE BOTTOM OF THE SLUDGE THICKENER."

Acknowledge this addendum in your Proposal. **The bid opening date and time, Thursday, November 13, 2008 at 3:00 pm, remains unchanged.** If you have any questions, please call Kevin Chun, Project Manager, at 577-3412.

Very truly yours,



Kenneth Joseph, P.E., City Engineer  
Engineering and Transportation Department

### ACKNOWLEDGEMENT

I hereby acknowledge receipt of Addendum 1 for the above noted project.

\_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Business Name – Please Print)

cc: Internal Plans & Specs Distribution List  
COSL Current Plan-holders and Pre-bid Meeting Attendees