



# Addendum #2

**TO:** All Bidders

**FROM:** District of Sooke

**DATE:** January 17, 2017

**PROJECT:** **WASTEWATER TREATMENT PLANT– SLUDGE DEWATERING  
INVITATION TO QUOTE**

**FILE NO:** 2017-001

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## 1. PRECEDENCE

1. This Addendum shall form an integral part of the Work. This Addendum shall take precedence over all requirements of the Tender Documents with which it may prove to be at variance unless otherwise qualified by the District.

## 2. PURPOSE

1. This addendum is in response to enquiries as per the Request for Quote document.

## 3. QUESTIONS

The questions below have been modified for clarity:

1. **What manpower is available for dewatering? How many hours per day is that manpower available for dewatering?**

Response:

The plant is staffed five days per week, Monday through Friday with one operators and one lead operator.

Monitoring of de-watering process is available during that period. The on-call operator can respond to alarms if the system is run over-night (unattended). Approx. 2 hours/day would be available for process adjustments, maintenance, and PMs.

2. **Is there presently a sludge holding tank? What capacity does this have? Is it aerated?**

Response:

Yes, we have two aerated digester tanks which we switch the feed between, and manually decant. Approx. capacity is 120 cubic meters each – normal operations ideally maintain the level at 60%.



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There is very limited time for retention and for metabolization of sludge which is a more noticeable issue during the cooler season.

**3. What type of waste water treatment plant does Sooke have?**

Response:

The District of Sooke's waste water treatment plant includes two sequential batch reactors, continuous feed.

**4. What is the District's expectations in regards to disposal of the material? Is landfill, land application?**

Response:

The District of Sooke currently disposes of its biosolids, hauled by permit, to the Hartland Landfill, Victoria. The permit is 20% (or greater) dry weight solids.

**5. Does the District want the ability to take septic tank waste at the plant?**

Response:

The District does not have the administrative capacity to accept septic waste at this time.

**6. What footprint is available at the facility for deployment?**

Response:

The waste water treatment facility is approximately 19,000 square meters and partially forested. Any dewatering facility that is proposed would have to be situated to accommodate future expansion of the facility.

**7. Has the District considered passive low energy systems for dewatering that combine dewatering and storage?**

Response:

The District will consider all innovations that will meet the specifications outlined in the RFQ.



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- 8. Is page 4 of the attached the only submitted document you are requesting other than proponents submitted?**

Response:

Proponents must submit page 4 but are encouraged to also submit information to support the dewatering technology that is proposed.

- 9. What is the consideration to annual operating costs and life cycle costs (i.e. electrical costs and life of asset)?**

Response:

Proponents are encouraged to submit information to support the dewatering technology that is proposed.

- 10. What is the budget for the project?**

Response:

The maximum budget for this project is \$300,000.

- 11. What is the treatment process used prior to the sludge dewatering?**

Response:

We use an aerated digester, polymer injection to centrifuge feed.

- 12. Is the sludge straight primary, or secondary, or an X%-Y% blend?**

Response:

Secondary (SBR, activated sludge).

- 13. Do you require just the dewatering device? Or would you like the feed pumps, polymer addition, polymer/sludge mixing, and dewatering unit provided as a complete package on a small skid?**

Response:

The District prefers to look at a package but there is the possibility to use existing feed pumps but nothing else.



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**14. What is the dewatered sludge being dropped into? Is it a haul-away bin, or onto a conveyor?**

Response:

The sludge is bin hauled to landfill (Maximum 10,000 kgs).

**15. Would you like to run a small volume lab trial on your sludge?**

Response:

Yes.

**16. Would you like to run a pilot unit of the dewatering device to prove out the expected results?**

Response:

Yes.

**17. Is the installation of the sludge de-watering equipment to be included in the RFQ?**

Response:

Yes, but categorized to see the proposed costs.

**18. Regarding the attached RFQ, are you looking for supplier quotations (supply and delivery) or design/builder quotations (design, supply, deliver, install and commission).**

Response:

The District will accept both of these options provided the results fall within the technical specs and budget.