

REQUEST FOR PROPOSALS NO. 21-031

Dewatering Polymer for Greater Nanaimo Pollution Control Centre

Issued: Monday, May 31, 2021

Addendum 3

Closing Date & Time: on or before 3:00 PM Pacific Time on June 3, 2021

This addendum shall be read in conjunction with and considered as an integral part of the Request for Proposals. Revisions supersede the information contained in the original Request for Proposals. No consideration will be allowed for any extras due to any Proponent not being familiar with the contents of this Addendum. All other terms and conditions remain the same.

1. Appendix A – Submission Form

Required Pricing Information (Page 1 of 5)

Add Provide a ranking of the dewatering polymers recommended for use at GNPCC (i.e. best polymer, second best, etc.).

Rank can be indicated by order, identified in the Description text on the table, or submitted in attached background material.

2. Appendix A – Submission Form

Required Pricing Information (Page 1 of 5)

Add Provide a recommended dose for each polymer recommended (kg / metric dry tonne of biosolids unit preferred).

The recommend dose can be provided either in the table in the Description text or included in the attached background material.

2. Section 5.6 – Proof of Concept

We understand that twenty-two percent (% Solids) is a high minimum requirement to meet for dewatering secondary sludge:

Replace

Polymers will be tested for an additional 2 weeks following both stages of the evaluation process to optimize the polymers to meet the minimum sludge cake percent solids of **twenty-two (22) percent** and clean centrate.

With

Polymers will be tested for an additional 2 weeks following both stages of the evaluation process to optimize the polymers to meet the minimum sludge cake percent solids of **twenty (20) percent** and clean centrate.

3. Appendix A – Submission Form**Client References****Replace**

References need to be provided for each polymer recommended.

With

If possible, provide references for the polymers recommended for the RDN from other wastewater treatment plant customers. We understand this may not be possible in certain circumstances (for example, polymers are formulated by location).

If this is the case, please note this fact, and provide references for polymers which function in a similar manner to the recommended ones from customers at other wastewater treatment plants.

4. 5.4 Stage 1 – Ranking of Submissions.**Add**

The Stage 1 evaluation will focus on the top-ranked polymer identified by each Proponent.

Questions and Answers

This following is a compilation of questions received from possible proponents up to 12:00 pm on Monday, May 31, 2021, and the answers to these questions

(1) Question

What is the Average Digested sludge feed rate to centrifuge?

Response

5 L/s (currently)

(2) Question

What is Average Digested sludge feed % solids?

Response

1.62% since November 2020

(3) Question

What is the average Centrifuge run-time to produce a 12,000kg dry cake solids bin?

Response

9 hours when operating one centrifuge

(4) Question

Preferred units for evaluating performance (polymer used per dry biosolids produced)?

Response

Kg/Tonne dry biosolids (Current dose is 21 kg/dry tonne biosolids).

(5) Question

What are your preferred results for the following key performance indicators (KPIs): cake dryness range (% solids) and preferred centrate TSS range?

Response

Please see responses below:

Preferred cake dryness range (% solids)?

20%(minimum) to 23.0% (higher removal preferred if possible).

Preferred centrate TSS range?

1,000mg/L to 1,500mg/L (lower end preferred)