



43 Broad Street, Unit B403
Hudson, MA 01749

June 7, 2023

TO: Himanshu Mehta, PE., Solid Waste Director - IRC
Ron Jones., BSCE, A.M. ASCE. - Assistant Managing Director

FROM: Ram Natarajan, PE., Indian River Sustainability Center (IRSC)

CC: Craig Clerkin, Rick Boughner & David Howard - Heartland Water Technology, Inc.
Alain Castro - Proximo Energy

SUBJECT: IRSC Leachate Evaporation Project – Continued Project Research and Development with Heartland Evaporation Process at IRC Landfill

Indian River Sustainability Center, LLC (“IRSC”) appreciates the opportunity to provide Leachate Management Services at Indian River County’s (the “District”) Landfill and we are eager to continue our mutually beneficial collaboration in serving your residents.

As part of IRSC’s commitment to continuous improvement of its leachate management solutions, IRSC has been conducting ongoing research and development around innovative technologies we could add to our solution set. As part of this effort, we recently informed you of our intention to conduct pilot testing at IRSC’s Evaporation Plant of a technology that we believe will enable even better treatment outcomes at the Evaporation Plant and elsewhere, while minimizing the environmental impact of Leachate. This location presents an ideal environment for us to comprehensively investigate and gain deeper insights into specific leachate parameters.

While we believe this initiative is in conformance with the terms of both our Wastewater Treatment Agreement and the Site Access Agreement, given our desire to work collaboratively with the District, we felt it was appropriate to ensure you were aware of this initiative as well as comfortable with this activity we plan to conduct at the Evaporation Plant.

Here’s an overview of this pilot project:

- Once the District confirms its comfort with our plan to test this technology, we anticipate that the testing period will run approximately three months. We commit to you that the pilot will not in any way interfere with the first priority of our Evaporation Plant – that is, to treat the District’s leachate in accordance with the terms of the Wastewater Treatment Agreement.
 - Our team of process experts will collaborate closely with both IRSC operators and IRC's staff to ensure the seamless integration of the piloting technology into our existing leachate treatment facility. As the pilot technology will serve as a pretreatment to the existing evaporator system, we
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plan to discharge the leachate treated by the pilot unit back into the existing leachate holding tank, to then be further processed by our Evaporation System.

- Filter media utilized within the pilot unit will be disposed of safely upon the completion of the pilot study using District approved waste disposal methods or shipped back alongside the pilot unit.
- All costs associated with conducting the pilot study will be borne by IRSC, including the procurement of necessary supplies. Please note, the pilot study will require a standard 120-volt electrical supply for its operations and we estimate that approximately 200 gallons per day of water will be utilized for various processes during the pilot study. Of course, we will reimburse the District for the cost of utilities associated with the pilot study if required.
- As always, our process and operations team will prioritize safety throughout the duration of the pilot study and ensure that all activity complies with applicable laws and regulations including permits.
- Finally, consistent with the terms of our Wastewater Treatment Agreement and the Site License Agreement, IRSC assumes full responsibility for any risks associated with the pilot study.

We greatly value our current collaboration and our joint pursuit of more sustainable and environmentally conscious leachate management practices. Thank you for your attention and support in facilitating this pilot testing. Should you have any questions or concerns, please feel free to contact Rick Boughner, Craig Clerkin, or me.