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Patricia Reiche, Administrator
Borough of Rockaway
1 East Main Street
Rockaway, NJ 07866

November 3, 2022

RE: Update to Jackson Ave Odor Preliminary Report and Workplan – dated September 15, 2022

Dear Patty,

As we discussed, please accept this letter as an update to Rockaway Valley Regional Sewerage Authority's efforts to eliminate the observed sewerage odors on Jackson Ave in the Borough of Rockaway.

Preliminary Workplan Update

1. RVRSA completed the cleaning and tv inspection from Meter Chamber RT-4 to Manhole R-6A-01. Inspection of the last section of pipe from MH R-6A-01 to MH R-6A, 31-ft, will be subcontracted due to the steepness of the slope of the pipe. Field verification of the connection from Mott Place to MH R-6A was performed. **Result:** Pipe inspection shows that the pipe is in good condition with no cracks or other structural issues. Due to velocity of flow, no debris was observed in the pipe.
2. RVRSA completed a tv inspection on Jackson Avenue from MH R-6A to MH R-5. **Result:** The tv inspection revealed deterioration of the concrete wall of the pipe due to H₂S corrosion. This information has been forwarded to RVRSA's consulting engineering firm, Kleinfelder, for inclusion into RVRSA's 5-year plan for relining. In the interim, RVRSA personnel have been tasked with sampling upstream at R-10 to test for soluble hydrogen sulfide. Samples for soluble hydrogen sulfide are also being taken at MC: RT-4 and at the Rockaway Township pump station and its force main discharge located upstream of RT-4. Results of the sampling will assist RVRSA in determining its next step to control the formation of hydrogen sulfide in the waste stream.
3. Carbon units were installed in all manholes on Mott Place up to and including MH R-6A located on the riverside of Jackson Avenue.
4. Manhole R-6A was repaired by Goldcon Contractors, including installation of a vapor barrier on the upper section of the manhole. **Result:** See attached photograph of repaired manhole.

5. Flow velocity readings were taken in each manhole on Mott Place. Velocities recorded were well above minimum scouring velocity of 2 ft/sec. A positive result of the > 2 ft/sec velocities is that the pipe is clean with no settled debris within the pipe.

6. RVRSA personnel and the Rockaway Township Sewer Operator met and inspected the collection system that flows into RVRSA meter chamber MC: RT-4. **Result:** Soluble hydrogen sulfide samples are being taken at different locations upstream of MC: RT-4 to determine if this waste stream is contributing to the gaseous H₂S in the downstream pipes at the corner of Mott Place and Jackson Avenue.

Next Steps

Short Term

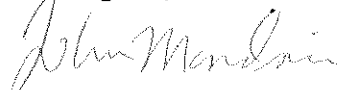
RVRSA will continue its research to find soluble hydrogen sulfide in the waste stream in this area. Once identified, RVRSA will evaluate solutions to eliminate the formation of soluble hydrogen sulfide which should then eliminate the gaseous H₂S and odor from the area.

Long term

RVRSA will include the relining of the sewer pipeline from R-6A to R-5A or R-5 in its upcoming 5-year plan currently being developed by its consulting engineering firm Kleinfelder.

Please let me know if you have any questions or want to discuss.

Best Regards,



JoAnn Mondsini

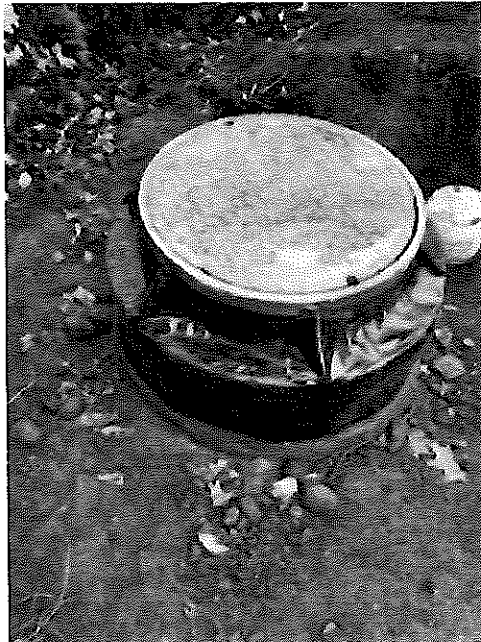
Executive Director

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Attachment

Cc: Commissioner Mark Horwarth, Borough Rockaway
Robert Bocchino, PE RVRSA
Eric Reichert, RVRSA Licensed Operator
Ray Simmons, RVRSA Trunkline Supervisor/Maintenance Manager



R-6A

10-26-2022

Rockaway Borough

JACKSON AVENUE