

**Indian River County, Florida
Solid Waste Disposal District
Board Memorandum**

Date: February 21, 2020

To: Jason E. Brown, County Administrator

From: Vincent Burke, PE, Director of Utility Services

Prepared By: Himanshu H. Mehta, PE, Managing Director, Solid Waste Disposal District

Subject: Thirteenth Amendment to Republic Services

Descriptions and Conditions:

On November 16, 2010, the Solid Waste Disposal District (SWDD) Board authorized the Solid Waste Operations and Maintenance Agreement with Republic Services of Florida, Limited Partnership (Republic Services). The agreement is for the operation and maintenance of the county’s Class 1 Landfill as well as non-Class 1 Landfill services. Per a contract extension by the SWDD Board on February 21, 2017, the agreement is valid through December 31, 2024.

The routine Operation and Maintenance (O&M) of the landfill gas system is part of the current agreement. The landfill gas system was expanded as part of the recent landfill closure project to add 29 new vertical and 8 new horizontal landfill gas extraction wells. Additionally, a new air compression station was added to the site. Accordingly, Republic Services has requested an amendment to their contract to provide additional O&M services as well as some preventative maintenance services.

Analysis:

The current O&M services provided by Republic Services for the landfill gas system includes 55 vertical and 32 horizontal landfill gas extraction wells. Thirteen of these horizontal extraction wells have recently been abandoned. The non-Class 1 Landfill services are a lump sum item; however, Republic Services has provided a breakdown from their subcontractor, SCS Field Services, that the cost for these O&M services is approximately \$38,940 per year as shown in Table 1 below.

Table 1 - Routine Tasks Based on Indian River Landfill Contract				
Description	Quantity	Units	Unit Cost	Total
Task 1 – Flare Operation, Wellfield Operation, Liquid Levels (55 EWs, 32 HCs)	12	Month	\$2,255	\$27,060
Task 2 – Reporting	12	Month	\$990	\$11,880
Current O&M Cost:				\$38,940

The expansion of the landfill gas system added 29 vertical extraction wells and 8 horizontal extraction wells for a total of 84 vertical extraction wells and 27 horizontal extraction wells. Each of these wells are

monitored twice a month. In addition, staff has requested additional routine maintenance activities to ensure reliable service.

Republic Services has provided a breakdown from their subcontractor, SCS Field Services, that the total new cost for these O&M services is \$76,580 per year as shown in Table 2 below. This is a net increase of \$37,640 per year as compared to the pre-expansion services. In comparing just the O&M services and the report for the wells, the net increase is about 15% compared to the 28% increase in the total wells to be monitored. In addition, the unit cost per well is actually lower than before (\$10.74 per well vs. \$12.96 per well).

Table 2 - New Routine Task Cost to Include System Expansion				
Description	Quantity	Units	Unit Cost	Total
Task 1 – Flare Operation, Wellfield Operation and Liquid Levels (29 New EWs, 13 abandoned HCs, 8 New HCs for a total of 84 EWs and 27 HCs)	12	Month	\$2,385	\$28,620
Task 2 – Reporting	12	Month	\$1,350	\$16,200
Task 3 – Liquid Level Monitoring and Reporting	2	Semi-Annual	\$2,200	\$4,400
Task 4A – Condensate Sump and Dewatering Pump Maintenance	2	Semi-Annual	\$3,880	\$7,760
Task 4B – Condensate Pump Maintenance	2	Semi-Annual	\$1,500	\$3,000
Task 5 - Flare Station Blower Lubrication/Check Valve Inspection/Flow Straightener Inspection	2	Semi-Annual	\$2,500	\$5,000
Task 6 - Air Compressor Preventative Maintenance	4	Quarterly	NA	\$11,600
Total Updated Yearly O&M Cost:				\$76,580
Total Additional Cost for Routine Services:				\$37,640

Due to the age of the landfill gas system, staff requested that Republic Services provide some non-routine maintenance services. Republic Services has provided a breakdown from their subcontractor, SCS Field Services, that the total new cost for these O&M services is \$41,200 per year as shown in Table 3 below.

Table 3 – Non-Routine Services and Maintenance				
Description	Quantity	Units	Unit Cost	Total
Flare Skid Painting (5 Years)	1	LS	\$11,850	\$11,850
Wellfield Repairs as of January 2020	1	LS	\$6,200	\$6,200
Wellfield Spare Parts per quantities shown	1	LS	\$3,400	\$3,400
Flare Blower Three Motor Replacement	1	LS	\$7,500	\$7,500
Header Pipe and Condensate Sump Cleaning	1	LS	\$7,900	\$7,900
Blower Inspection	1	LS	\$4,350	\$4,350
Total Non-Routine Services and Maintenance Budgetary Estimate:				\$41,200

Staff has reviewed the proposal provided by Republic Services through their subcontractor, SCS Field Services. Staff concurs with the additional O&M services for \$41,404 (\$37,640 + \$3,764) to be added to their annual contract. Staff also concurs with the non-routine items for preventative maintenance services for a lump sum amount of \$45,320 (\$41,200 + \$4,120). As shown, both of these costs include a 10% subcontractor fee to Republic Services.

Upon approval of this amendment, the overall payment for Calendar Year 2020 for Non-Class 1 Landfill services will be adjusted from \$3,063,181.94 to \$3,104,585.94 per year or \$258,715.50 per month.

Funding:

Funding for the SWDD non-Class 1 Landfill services is budgeted and available in the SWDD recycling account, which is funded from SWDD assessments and user fees.

Description	Account Number	Amount
Republic Services, LP Contractual Services	411-25534-033489	\$258,715.50 (per month)
Republic Services, LP Contractual Services	411-25534-033489	\$45,320 (Lump Sum)

Recommendation:

Solid Waste Disposal District staff recommends that its Board approve the following:

- a) Approve the Thirteenth Amendment to Republic Services landfill contract for the additional landfill gas operation and maintenance services; and
- b) Authorize the Chairman to execute the agreement.

Attachment:

- 1) Thirteenth Amendment to Republic Services