



1701 Highway A 1 A, Suite 301  
Vero Beach, Florida 32963  
tel: 772 231 4301  
fax: 772 231 4332

May 28, 2021

Mr. Himanshu Mehta, P.E.  
Managing Director  
Solid Waste Disposal District  
1325 74th Ave SW  
Vero Beach, FL 32968

Subject: Indian River County Solid Waste Disposal District.  
Segment 3 Cell 1 Landfill Gas System Expansion  
RC Contract No.: 2021006  
Change Order No. 1 – Leachate and Landfill Gas System Expansion

Dear Mr. Mehta:

Transmitted herewith is an electronic copy of the Change Order No. 1 which increases SCS Field Services' scope of work to add four new LFG wells, remediate a perched leachate issue in Cell 2, video and jet cleaning of the leachate collection system in Cell 2 and upsizing the condensate piping to accommodate higher pumping rates in Cell 1.

The total value of this change order is \$145,409. There is \$98,810 in the contract contingency with a net contract increase of \$48,599. There is no increase in contract times associated with this change order.

We trust the enclosed is sufficient for your review and the Board's approval. If you need any additional information or clarification, please do not hesitate to contact our office.

Sincerely,

Martin J. Lewis, P.E., BCEE  
Project Manager  
CDM Smith Inc.

MJL/jj  
Attachment  
file: PW\_PL1\_6706-250111.05.06.70.CO No. 1

cc: Eric Grotke, CDM Smith  
Kevin Vann, CDM Smith  
Guy Lewis, SCS Field Services



**CHANGE ORDER**

No. 1

PROJECT Segment 3 Cell 1 Landfill Gas System Expansion -IRC BID NO. 2021006

DATE OF ISSUANCE May 2, 2021 EFFECTIVE DATE June 8, 2021

OWNER Indian River County Solid Waste Disposal District (Indian River County Board of County Commissioners)

OWNER'S Contract No. 2021006 CDM Smith Project No. 6706-

250111

CONTRACTOR SCS Field Services, Inc. ENGINEER CDM Smith Inc.

You are directed to make the following changes in the Contract Documents:

Description: Leachate Remediation in Cell 2 and expansion of vertical wells and increase condensate flow piping

Reason for change order: Requested by owner.

Attachments: (List documents supporting change)

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract Price \$ <u>1,068,510</u>	Original Contract Times Substantial Completion: <u>September 15, 2021</u> Ready for final payment: <u>October 15, 2021</u> Days or dates
Net changes from previous Change Orders No. <u>N/A</u> to No. _____ \$ <u>N/A</u>	Net change from previous Change Orders No. <u>N/A</u> to No. _____ _____ days
Contract Price prior to this Change Order \$ <u>1,068,510</u>	Contract Time prior to this Change Order Substantial Completion: <u>September 15, 2021</u> Ready for final payment: <u>October 15, 2021</u> Days or dates
Net Increase (decrease) in this Change Order \$ <u>48,599</u>	Net Increase in this Change Order <u>0</u> days
Contract Price with all approved Change Orders \$ <u>1,117,109</u>	Contract Time with all approved Change Orders Substantial Completion: <u>September 15, 2021</u> Ready for final payment: <u>October 15, 2021</u> Days or dates

RECOMMENDED:  
By: [Signature]

APPROVED:  
By: \_\_\_\_\_

ACCEPTED:  
By: [Signature]

ENGINEER (Authorized Signature)

OWNER (Authorized Signature)

CONTRACTOR (Authorized Signature)

Date: 5/28/2021

Date: \_\_\_\_\_

Date: 5/28/2021

EJCDC No. C-800 (2007 Edition)

Prepared by the Engineers Joint Contract Documents Committee and endorsed by The Associated

Indian River County  
Solid Waste Disposal District  
Segment 3 Cell 1 Landfill Gas System Expansion  
Schedule of Bid Items Change Order No. 1

SCS FIELD SERVICES with Alternate Bid Item Included.

Item (Note 1)	Unit	Estimated Quantity (Notes 6, 7)	Unit Price	Total
<b>BID ITEMS:</b>				App Date
<b>1. SEGMENT 3 CELL 1 LANDFILL GAS SYSTEM EXPANSION</b>				Through
<b>1A. Site Work</b>				
a. Site Preparation	L.S.	1	\$2,600	\$2,600
b. Landfill Gas Collection Piping Installation (Note 3)				
b.1. 24-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	170	\$135	\$22,950
b.2. 18-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	930	\$78	\$72,540
b.3. 12-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	520	\$45	\$23,400
b.4. 8-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	170	\$38	\$6,460
b.5. 6-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	1,900	\$33	\$62,700
b.6. 4-inch SDR 17 HDPE Solid Pipe and Fittings	L.F.	320	\$30	\$9,600
c. Vertical Extraction Well (Note 4)	V.F.	1,050	\$123	\$129,150
d. Sideslope Collector				
d.1. Sideslope collector 40 mil textured HDPE geomembrane	S.F.	12,000	\$0.68	\$8,160
d.2. Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in rock (Note 5)	L.F.	200	\$71	\$14,200
d.3. Sideslope collector 6-inch SDR 11 HDPE solid pipe and fittings in common fill (Note 5)	L.F.	3,000	\$14	\$42,000
d.4. Sideslope collector 6-inch SDR 11 HDPE perforated pipe and fittings in rock (Note 5)	L.F.	3,000	\$67	\$201,000
e. Landfill Gas Appurtenances and Fittings				
e.1. Well Head	Ea.	38	\$950	\$36,100
e.2. Miscellaneous Valves and Fittings	L.S.	1	\$45,200	\$45,200
e.3. Access Riser with Fernco Blind Flange Cap	Ea.	12	\$1,200	\$14,400
e.4. Zone Valve	Ea.	6	\$9,200	\$55,200
f. Compressed Air and Force Main Piping, Fittings, Valves, and Ancillary Components				
f.1. 2-inch SDR 11 HDPE Compressed Air & Condensate Force Main Pipe (same trench as LFG pipe) (Note 3)	L.F.	3,400	\$9	\$30,600
f.2. 2-inch Compressed Air and Force Main Valves Assembly	Ea.	6	\$690	\$4,140
f.3. Well Dewatering Pump Assembly	Ea.	14	\$5,900	\$82,600
f.4. Well Dewatering Pump Installation	Ea.	14	\$500	\$7,000
g. Miscellaneous	L.S.	1	\$19,200	\$19,200
<b>1B. Survey (Note 8)</b>	L.S.	1	\$30,500	\$30,500
<b>TOTAL BID ITEM 1</b>				<b>\$919,700</b>
<b>2. PUBLIC CONSTRUCTION BOND AND INSURANCE (TOTAL)</b>	L.S.	1	\$10,400	\$10,400
<b>3. MOBILIZATION AND DEMOBILIZATION (TOTAL) (Note 2)</b>	L.S.	1	\$38,000	\$38,000
<b>4. CONTINGENCY ALLOWANCE (10% of sum of Bid Items 1, 2, and 3)</b>	L.S.	1	\$96,810	\$96,810
<b>4.A. Change Order No. 1</b>				<b>\$145,409</b>
<b>4.A.1 Remediate Leachate drainage in Cell 2</b>	Billing Rates	NTE	\$19,644.00	\$19,644
<b>4.A.2 Florida Jet Clean - Video Leachate collection system</b>	LS	1	\$2,750	\$2,750
<b>4.A.3 Florida Jet Clean - Jet Clean Leachate collection system</b>	LS	1	\$2,475	\$2,475
<b>4.A.4 Extend LFG Collection horizontal Collectors</b>	LF	600	\$61.80	\$37,080
<b>4.A.2 Extend LFG Additional Vertical Wells</b>	LF	300	\$123	\$36,900
<b>4.A.2 Increase Condensate Force Main Pipeing 6-inch (1Ab5)</b>	LF	720	\$33	\$23,760
<b>4.A.2 Increase Condensate Force Main Pipeing 4-inch (1Ab6)</b>	LF	760	\$30	\$22,800
<b>Net Change Order No. 1 (Total Change Order 1 - Contingency)</b>				<b>\$48,599</b>
<b>GRAND TOTAL BASE BID</b>				<b>\$1,064,910</b>
<b>5. ALTERNATE BID ITEM 1 – ACCESS RISERS WITH BLIND FLANGE CAP (Note 9)</b>	Ea.	12	\$300	\$3,600
<b>GRAND TOTAL CONTRACT VALUE</b>				<b>\$1,068,510</b>
<b>Change Order No. 1</b>				<b>\$48,599</b>
<b>Grand Total After Change Order No. 1</b>				<b>\$1,117,109</b>

May 18, 2021

Martin J, Lewis, P.E., PMP  
Project Manager  
CDM Smith Inc.  
1701 Highway A-1-A, Suite 301  
Vero Beach, FL 32963

Subject: Indian River County Solid Waste, Segment 3 Cell 1 LFG System Expansion IRC Bid No. 201006, Request for Change Cost Proposal

Dear Mr. Lewis,

In response to your request for quote as outlined in your May 11, 2021 letter, SCS Field Services has prepared a budgetary estimate for your consideration at the subject site.

## SCOPE OF SERVICES

Our scope of services for the two major components as described in your request are as follows:

### **Remediate Leachate and Segment 3 cell 2 Drainage Issues**

The work will be performed on a time and material bases per the attached fee schedule. The hourly rate for the entire crew and equipment is \$878 per hour. Materials and subcontractor work will be billed at cost plus 10%. We anticipate approximately \$4,500 in material cost if the 10" valve needs to be replaced. I have also attached the estimate of \$2,500 from Florida Jet Clean to video camera and investigate the 10" control valve. In addition the price to jet clean the entire length of the 10" leachate collection system (approximately 1,300-ft) would be \$2,475. Our budget includes two days of field time for pumping liquids and investigating the 10" valve which will require a 4" branch saddle and valve be installed on the landfill side of the existing 10" valve to gain access for the video camera.

### **Additional Landfill Gas Collection**

1. Extended 600 feet of horizontal collection trench as directed. The price per foot will be performed at the contract price of \$67.00 less \$5.20 per foot for owner supplied perforated pipe. The total for this task is \$37,080 (600 feet at \$61.80).

Mr. Martin J. Lewis  
May 13, 2021  
Page 2

## BUDGETARY ESTIMATE

SCS-FS estimates the services described in this proposal for the Remediate Leachate and Segment 3 cell 2 Drainage Issues can be performed based on a time and material budgetary cost of **\$24,869**. Please see the attached budgetary estimate cost breakdown. The Additional LFG Collection work will be billed as indicted above.

## CLOSING

I look forward to discussing any questions or comments you may have concerning this proposal. Please do not hesitate to call me at (703) 517-5594 with any questions or comments.

Sincerely,



Guy F. Lewis  
Vice President/Regional Manager  
SCS Field Services

Cc: Himanshu Mehta, IRC SWDD  
Ron Jones, IRC SWDD  
Pierce Wu, SCS-FS  
Larry Taylor, SCS-FS  
Joe Curro, CDM Smith  
Kurt Westerlund, CDM Smith  
Amy Hightower, CDM Smith  
Dewayne Wallace, CDM Smith

# SCS FIELD SERVICES

## FEE SCHEDULE FOR EQUIPMENT

	<b>Rate (\$)</b>
Tool Truck .....	20/hour
No. 14 P.E. Fusion Machine (4''):	15/hour
No. 28 P.E. Fusion Machine (8''):	24/hour
No. 618 P.E. Fusion Machine (18''):	60/hour
Pipe Laser: .....	8/hour
Generator.....	10/hour
Bobcat Trackloader.....	25/hour
6,000lb Forklift: .....	22/hour
40,000lb Excavator: .....	46/hour
25 Ton Articulated Dump Truck.....	99/hour
Dozer.....	42/hour
2" Trash Pump .....	15/hour
2" Electrical Submersible Pump.....	10/hour

## FEE SCHEDULE FOR LABOR

Laborer .....	54/hour
Fusion Technician .....	70/hour
Equipment Operator / Truck Driver.....	80/hour
Construction Superintendent .....	175/hour
Food and Lodging.....	21/hour/per man

## FEE SCHEDULE FOR MATERIALS & SUBCONTRACTORS

Cost plus 10%

# Indian River Budgetary Estimate

## Remediate Leachate

ODC markup (input @ right)

1.1

	RATE	Input Hours	Prices	Sub-totals
Project Superintendent	175	<u>16</u>	\$2,800.00	
Forman	90	<u>0</u>	\$0.00	
P. E. PipeFusion Technician	70	<u>16</u>	\$1,120.00	
Construction Laborers	54	<u>16</u>	\$864.00	
Equipment Operator/Truck Driver	80	<u>16</u>	\$1,280.00	
Equipment Operator/Truck Driver	80	<u>16</u>	\$1,280.00	
Project Manager	175	<u>0</u>	\$0.00	
Regional Manager	250	<u>0</u>	\$0.00	\$7,344
<b>Input total per diem (food and hotel)</b>				
<u>Field Crew Per diem : 5 Man Crew 2 days</u>	80	<u>\$21</u>	\$1,680	\$1,680
<b>SCS Field Services equipment, @ Fee Schedule:</b>				
		<b>Input Hours</b>		
SCS -FS Owned Pick-up Truck		<u>16</u>	\$20	\$320.00
SCS -FS Owned Pick-up Truck		<u>16</u>	\$20	\$320.00
4" fusion Machine		<u>0</u>	\$15	\$0.00
8" fusion Machine		<u>0</u>	\$24	\$0.00
18" fusion Machine		<u>0</u>	\$60	\$0.00
Laser		<u>0</u>	\$8	\$0.00
Generator		<u>16</u>	\$10	\$160.00
				\$800.00
<b>Other Direct Charges:</b>				
		<b>Input total cost</b>		
25 ton dirt dump truck	16	<u>\$90</u>	\$1,584	
Excavator	16	<u>\$42</u>	\$739	
Loader	16	<u>\$25</u>	\$440	
Dozer	16	<u>\$38</u>	\$669	
Fork Lift	16	<u>\$22</u>	\$387	
2" Trash Pump	16	<u>\$15</u>	\$264	
2" Electric Submersible Pump	0	<u>\$10</u>	\$0	
Freight Charges	1	<u>\$400</u>	\$440.00	
Materials	1	<u>\$4,500</u>	\$4,950.00	
Tax	1	<u>\$315</u>	\$346.50	
Florida Jet Clean Video Inspection	1	<u>\$2,500</u>	\$2,750.00	
Florida Jet Clean 10" Leachate Line 1,300 ft	1	<u>\$2,250</u>	\$2,475.00	
				\$15,045
<b>FEE SCHEDULE TOTAL</b>			<b>\$24,869</b>	

# FLORIDA JETCLEAN

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## HIGH PRESSURE WATER JETTING – EXPLOSION PROOF INSPECTION PIPE LOCATING – NO DIG POINT REPAIRS – VACUUM TRUCK SVCS

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7538 Dunbridge Drive  
Odessa, FL 33556  
www.floridajetclean.com

TEL : 800-226-8013  
FAX : 813-926-4616

### PROPOSAL

DATE : 5/12/2021  
TO : Guy Lewis – SCS Engineers  
FROM : Ralph Calistri (floridajetclean@yahoo.com)  
SUBJECT : Indian River County LF – Explosion-Proof Video-Inspection Project

Thank you for your inquiry. We confirm our capability and interest in carrying out the requested leachate collection system video-inspection services for SCS Engineers at the Indian River County Landfill.

Based on our prior work at this location, we propose as follows:

Explosion-proof video-inspection of existing leachate collection piping to identify pipe's internal condition \$ 2,500.00 (day-rate, including mob/demob)

The proposal is subject to the following:

- No pipe cleaning is included.
- 2 wheel drive vehicle access within 10'-15' of each pipe access location.
- **Our equipment and procedures fully meet OSHA and DEP requirements. In particular our video inspection equipment is certified Class 1, Division 1, Gas Groups C & D (i.e. explosion proof). This is required by in methane piping.**
- Current technology limitations **may** preclude the use of tractor video systems (range of up to 1,350' in ideal conditions) in lines restricted to cleanout access. If a push video system has to be used, we will be limited to a maximum +/-400' from each point of entry.
- All video-inspections will begin at available access locations and continue into the pipes as far as possible. Additional access may be required for complete coverage.
- Day-Rate covers p to 8 hours on site.
- Payment : Net 30 days

Please contact us at 800-226-8013 with any questions or to schedule this service.

Regards,



Ralph Calistri – Florida Jetclean

# FLORIDA JETCLEAN

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## HIGH PRESSURE WATER JETTING – EXPLOSION PROOF INSPECTION PIPE LOCATING – NO DIG POINT REPAIRS – VACUUM TRUCK SVCS

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7538 Dunbridge Drive  
Odessa, FL 33556  
www.floridajetclean.com

TEL : 800-226-8013  
FAX : 813-926-4616

### PROPOSAL

DATE : 5/17/2021  
TO : Guy Lewis – SCS Engineers  
FROM : Ralph Calistri (floridajetclean@yahoo.com)  
SUBJECT : Indian River County LF – LCS Pipe Jetting Project

Thank you for your inquiry. We confirm our capability and interest in carrying out the requested leachate collection system jetcleaning services for SCS Engineers at the Indian River County Landfill.

Based on our prior work at this location, we propose as follows:

High-pressure water-jetting of roughly 1,350 LF of existing 10” LCS header piping from manhole, cleanout, and saddle access \$ 2,250.00 (day-rate, including mob/demob)

The proposal is subject to the following:

- A high-flow water source for fill of jetting equipment’s water tanks.
- 2 wheel drive vehicle access within 10’-15’ of each pipe access location.
- Day-Rate covers up to 8 hours on site.
- Payment: Net 30 days

Please contact us at 800-226-8013 with any questions or to schedule this service.

Regards,



Ralph Calistri – Florida Jetclean