



FRIEDMAN,
FRIEDMAN & LONG, P.A.
ATTORNEYS & COUNSELORS

November 18, 2014

Carlotta S. Stauffer, Commission Clerk
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 140135-WS - Application for increase in water and wastewater rates in Pasco County by Labrador Utilities, Inc. Our File No. 30057.216

Dear Ms. Stauffer:

The following are Labrador Utilities, Inc.'s ("Company") responses to the Staff's First Data Request dated November 4, 2014:

Please refer to the Discharge Monitoring Reports (DMR).

1. Part B of the DMRs for both June 2013 and July 2013 reflect a monitoring period of May 1, 2013 to May 31, 2013. Please provide Part B of the DMRs for June 2013 and July 2013. If the DMRs are not available, please explain why.

Response: See attached.

Please refer to the Monthly Operation Reports (MORs).

2. The second page of the January 2012 MOR reflects a monitoring period of December 2011. Please provide the second page of the January 2012 MOR. If the MOR is not available, please explain why.

Response: See attached.

3. The second page of the April 2012 MOR reflects a monitoring period of March 2012. Please provide the second page of the April 2012 MOR. If the MOR is not available, please explain why.

Response: See attached.

4. The first page for the August 2012 MOR was not provided. Please provide the first page for the August 2012 MOR. If the MOR is not available, please explain why.

Response: See attached.

5. The first page for the December 2012 MOR was not provided. Please provide the first page for the December 2012 MOR. If the MOR is not available, please explain why.

Response: See attached.

Please refer to the Inspection Reports.

6. In the response dated August 25, 2011, the Utility referenced the Tank Inspection Report and the flow meter accuracy testing. Documents available from the Department of Environmental Protection show three attachments that were included in this response (all sic) – “GST Inspection 01-27-10.pdf”, “Labrador Utilities Well#1.xls” and “Labrador Utilities Well # 2.xls”. Please provide these attachments.

Response: See attached.

Please refer to Schedule A-3.

7. On schedule A-3, line number 18, under the wastewater column, there is a retirement amount of \$19,777 for the Rotary Drum Screen. It states that it is an estimation using the Handy-Whitman index. Please explain what NARUC account number was used to determine the estimation since the Handy-Whitman index uses only water NARUC accounts and not wastewater NARUC accounts.

Response: The NARUC account number used to determine the retirement estimation was 320 Treatment Plant Equipment. While the index is used for water accounts, the Utility has always used it in the past for w plant using the description of the asset.

Please refer to Additional Pro Forma Plant Information.

8. Labrador noted for the WWTP Odor Control pro forma that it received four sealed bids from qualified utility contractors. Please provide the actual bids from each contractor.

Response: See attached.

9. Labrador noted that it executed a contract for the WWTP Rotary Drum replacement with Environmental Equipment Sales, Inc. Did Labrador solicit multiple bids for this project? If so, please provide the bids that Labrador received for the Rotary Drum replacement. If not, why not?

Response: Labrador did not solicit multiple bids regarding the replacement of the rotary drum screen for the following reasons:

- a. The project cost was estimated to be less than \$75,000 and thus below the threshold for requiring multiple bids in conformance with the Utility's business rules.

- b. The original rotary drum screen model was properly sized to meet the operational needs of the wastewater treatment facility during the high season. The model is still offered by the same manufacturer (with some design improvements) and the unit had provided satisfactory

performance over its service life. Therefore, there was no reason to specify or consider a different model or size of rotary screen.

c. Replacing the rotary drum screen with a unit different from the existing model and type of unit would have triggered the requirement to submit to FDEP signed and stamped engineering plans supplied by a registered professional engineer showing the proposed modifications to the treatment plant. Additional costs would have been incurred in submitting an application for a construction permit as well as payment of a permit application fee to FDEP.

d. By coordinating the removal of the old screen and the installation of the new screen in conjunction with the ongoing odor control equipment project, the utility was able to utilize the services of the general contractor on that project and thus avoid incurring mobilization and demobilization costs to replace the drum screen that would otherwise have been incurred.

e. Additional costs would have been incurred in submitting subsequent documentation to FDEP by the professional engineer identifying that the project was completed in conformance with the construction permit and requesting authorization to place the replacement drum into service.

f. In comparison, by replacing the existing drum screen with the same model unit and using the same footprint, the cost, time and effort to place the new unit in service was less than it would have been otherwise. The new unit was placed into service in November 2014.

10. Labrador noted that it will solicit multiple bids prior to awarding the WTP Ground Storage Tank replacement project. Has Labrador solicited those bids yet? If so, please provide a copy of those bids. If not, when does Labrador anticipate soliciting bids for this project?

Response: The bid process for the replacement WTP Ground Storage Tank is scheduled to be completed in early January 2015. A bid tabulation will be forwarded to staff at that time.

Carlotta S. Stauffer
 Staff's First Data Request Responses
 November 18, 2014

Site	Item	NARUC Account Number	Issue Relevance*	Problem	Solution	Regulatory Mandate (M) or Enhancement (E)	Comments	2013	2014	2015	Total
WWTP	Odor Control Equipment	380.4	C	Odor from the WWTP	The project consists of the engineering design, fabrication, and construction of odor control facilities necessary to minimize the impact of plant odors on the surrounding community.	E	This is part of a settlement between the Utility and Forest Lake Estates Co-Op. No existing assets are expected to be retired.		\$34,670		\$34,670
WWTP	Headworks Equipment	380.4	C	Headworks equipment needed replacement	The project entails the replacement of an existing rotary screen and associated equipment at the headworks at the WWTP.	M	This project also included the relocation of the electrical disconnect switch and installation of equipment control panel on the catwalk. The original drum screen was retired.		\$2,778		\$2,778
Ground Storage Tank	Ground Storage Tank	330.4	C, R, WQ	The ground storage tank needs replacement	The project includes the replacement of the 34,000 gallon finished water storage tank with corrosion resistant materials that will insure adequate and secure finished water is on hand at all times to meet customer needs.	M	Project to be completed before June 2015. The existing tank and associated equipment will be retired.		\$2,703	\$2,703	\$2,703
WTP	Electric Pump Equip Trans Dist	311	C, R	The WTP high service pumps & controls	Install a four-pump high service pump skid and control panel to allow	M	The original high service pumps, controls and manifold were retired.	\$3,512			\$3,512

Carlotta S. Stauffer
 Staff's First Data Request Responses
 November 18, 2014

Site	Item	NARUC Account Number	Issue Relevance*	Problem	Solution	Regulatory Mandate (M) or Enhancement (E)	Comments	2013	2014	2015	Total
				were unreliable, system pressure oscillated continuously, pumps cycled on and off constantly.	system pressure to be maintained evenly and reliably. Coordinate with the power company to modify its service to minimize voltage dips and spikes that were causing pump failures.		Failsafe controls were added to provide an alternate means of maintaining pressure in the event of a control panel failure.				
WTP	Water Treatment Equip	320	C, R	Critical control panel spare parts not included in scope of work under CP#2012056	Purchase and store key spare parts to allow HSP's to return to service in the event control panel is damaged or fails.	M	No assets were retired with this expenditure.	\$7			\$7
WTP	Water Treatment Equip	320	C, R	Chemical feed pump failed.	Replace the chemical feed pump to provide the means to feed chlorine solution in order to disinfect the water supply.	M	Existing chemical feed pump was retired.	\$73			\$73

*For Issue Relevance, please use DM (Deferred Maintenance), S (Safety), C (Compliance), R (Reliability), WQ (Water Quality), or WWQ (Wastewater Quality).

Carlotta S. Stauffer
Staff's First Data Request Responses
November 18, 2014

Please feel free to contact me if you have any questions or concerns.

Very truly yours,



MARTIN S. FRIEDMAN
For the Firm

MSF/
Enclosures

cc: John Hoy (via e-mail)
Patrick Flynn (via e-mail)
Darrien Pitts (via e-mail)
Kyesha Mapp, Esquire (via e-mail)
Steve Reilly (via email)

#1

DAILY SAMPLE RESULTS - PART B

Permit Number: FLA012801

Labrador/Forest Lake Estates WWTF

Monitoring Period From June 01, 2013 TO JUNE 30, 2013

Pasco

	Flow (MGD) R-001	CBOD5 (mg/L)	TSS (mg/L)	Fecal Coliform Bacteria (#/100ml)	pH (SU)	TRC (For Disinfect.) (mg/L)	Notes
Code	50050.000000	80082	530.0	74055	00406	50080	
Mon. Site	FLW-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	
1	0.084250						
2	0.021300				7.57	1.50	
3	0.023800				7.86	3.80	
4	0.023600				7.75	1.70	
5	0.026700				7.68	3.30	
6	0.056500				7.42	1.30	
7	0.042150				7.54	0.70	
8	0.042150						
9	0.036400				7.42	8.80	
10	0.031500				7.35	6.50	
11	0.030700	2.0	1.0	3.0	7.68	3.60	INF CBOD150 & T.S.S 220
12	0.034100				6.93	7.10	T.N 37 & T.P 4.7
13	0.028800				6.93	8.80	
14	0.044100				6.89	7.10	
15	0.044100						
16	0.057500				6.44	8.80	
17	0.048200				6.96	0.57	
18	0.039600				6.91	8.80	
19	0.037800				7.01	8.70	
20	0.046500				6.94	6.60	
21	0.044050				7.11	8.80	
22	0.044050						
23	0.048200				7.01	8.80	
24	0.045200				7.31	0.81	
25	0.035600	2.1	1.0	<1	7.25	8.80	
26	0.052600				7.30	8.80	
27	0.038900				7.44	4.70	
28	0.045350				7.20	8.80	
29	0.045350						
30	0.041200				7.50	4.30	
31							
Total	1.240250	4.100	2.000	3.000			
Mo. Avg.	0.041342	2.05	1.00	3.00			

PLANT STAFFING:

Day shift Operator Class: B Certificate No Name:
 Class: A Certificate No: 9151 Name: Lee Neal
 Class: C Certificate No 8045 Name: Dave Shoffstall
 Class: C Certificate No: Name:
 Night Shift Operator Class: _____ Certificate No: _____ Name: _____
 Lead Operator Class: Certificate No: 13840 Name: Rob Buono

DAILY SAMPLE RESULTS - PART B

Permit Number: FLA012801

Labrador/Forest Lake Estates WWTF

Monitoring Period From July 01, 2013 To July 31, 2013

Pasco

	Flow (MGD) R-001	CBOD5 (mg/L)	TSS (mg/L)	Fecal Coliform Bacteria (#/100ml)	pH (SU)	TRC (For Disinfect.) (mg/L)	Notes
Code	50050.000000	80082	530.0	74055	00406	50060	
Mon. Site	FLW-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	
1	0.069200				7.51	6.80	
2	0.062800				7.46	5.10	
3	0.064200				7.74	8.20	
4	0.077900				7.22	8.80	
5	0.072050				7.29	8.30	
6	0.072050						
7	0.038100				7.41	8.80	
8	0.056700				7.13	0.89	
9	0.046200	2.0	1.0	1.0	7.36	4.60	INF CBOD 79 & T.S.S 120
10	0.038800				7.43	8.80	T.N 33 & T.P2.6
11	0.043200				7.61	6.40	
12	0.055300				7.49	1.86	
13	0.055300						
14	0.041900				7.41	5.50	
15	0.047500				7.29	6.40	
16	0.060500				7.32	8.80	
17	0.052600				6.95	1.66	
18	0.057400				7.13	6.90	
19	0.072200				7.21	8.80	
20	0.072200						
21	0.049700				7.27	1.20	
22	0.056700				7.78	2.30	
23	0.062800	2.0	1.0	1.0	7.92	0.60	
24	0.080000				7.86	0.60	
25	0.080700				7.51	0.70	
26	0.066750				7.66	2.60	
27	0.066750						
28	0.050800				7.08	8.80	
29	0.052400				7.53	5.70	
30	0.048900				7.64	8.80	
31	0.049300				7.39	8.80	
Total	1.820900	4.000	2.000	2.000			
Mo. Avg.	0.058739	2.00	1.00	1.00			

PLANT STAFFING:

Day shift Operator Class: B Certificate No Name:
 Class: A Certificate No: 9151 Name: Lee Neal
 Class: C Certificate No 8045 Name: Dave Shoffstall
 Class: C Certificate No: Name:
 Night Shift Operator Class: _____ Certificate No: _____ Name: _____
 Lead Operator Class: Certificate No: 13840 Name: Rob Buono

#2

MONTHLY OPERATION REPORT FOR PW"Ss TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 6514842	Plant Name: Labrador Utilities
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CT: JANUARY, 2012

Means of Achieving Four-Log Virus Inactivation/Removal: Free Chlorine Chlorine Dioxide Ozone Combined Chlorine (Chloramines)
 Ultraviolet Radiation Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System: Free Chlorine Combined Chlorine (Chloramines) Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours plant in Operation	Net Quantity of Finished Water Produced, gal.	CT Calculations, or UV Dose, to Demstrate Four-Log Virus Inactivation, if Applicable*										Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions: Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
				CT Calculations					UV Dose						
				Peak Flow Rate, gpd.	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L.	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L.	Temp of Water, °C	pH of Water, if Applicable	Minimum CT Required, mg-min/L.	Lowest Operating UV Dose, mW-sec/cm ²	Minimum UV Dose Required, mW-sec/cm ²			
1		24.0	76,000												
2	x	24.0	112,000		2.0									1.1	
3	x	24.0	86,000		1.5									1.0	
4	x	24.0	99,000		1.8									1.3	
5	x	24.0	111,000		1.7									1.0	
6	x	24.0	103,000		2.0									1.2	
7	x	24.0	91,500		2.0									1.3	
8		24.0	91,500												
9	x	24.0	102,000		1.5									1.3	
10	x	24.0	69,000		1.8									1.5	
11	X	24.0	116,000		2.5									1.3	
12	x	24.0	86,000		3.0									1.8	
13	x	24.0	93,000		1.6									1.4	
14	x	24.0	83,000		1.1									1.0	
15		24.0	83,000												
16	x	24.0	90,000		1.6									0.9	
17	x	24.0	82,000		2.5									2.0	
18	x	24.0	98,000		1.8									1.4	
19	x	24.0	104,000		1.9									1.2	
20	x	24.0	100,000		2.0									1.5	
21	x	24.0	77,500		1.7									1.0	
22		24.0	77,500												
23	x	24.0	99,000		2.0									1.4	
24	x	24.0	114,000		2.0									1.6	
25	x	24.0	97,000		1.8									1.5	
26	x	24.0	80,000		2.3									1.7	
27	x	24.0	106,000		2.8									2.0	
28	x	24.0	91,000		1.4									0.8	
29		24.0	91,000												
30	x	24.0	101,000		1.5									1.0	
31	x	24.0	89,000		1.4									0.8	
Total			2,899,000												
Average			93,667												
Maximum			116,000												

* Refer to the instructions for this report to determine which plants must provide this information.

#3

MONTHLY OPERATION REPORT FOR PW'Ss TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number: 6514842 Plant Name: Labrador Utilities

April, 2012

Means of Achieving Four-Log Virus Inactivation/Removal: Free Chlorine Chlorine Dioxide Ozone Combined Chlorine (Chloramines)

Ultraviolet Radiation Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System: Free Chlorine Combined Chlorine (Chloramines) Chlorine Dioxide

Day of the Month	Days Plant Staffed or Visited by Operator (Place "X")	Hours plant in Operation	Net Quantity of Finished Water Produced, gal.	CT Calculations, or UV Dose, to Demostate Four-Log Virus Inactivation, if Applicable*									Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
				CT Calculations					UV Dose					
				Peak Flow Rate, gpd.	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp of Water, °C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm ²	Minimum UV Dose Required, mW-sec/cm ²		
1	X	24.0	88,000		2.0								1.6	
2	X	24.0	76,000		2.3								1.7	
3	X	24.0	73,000		2.0								1.4	
4	X	24.0	103,000		2.7					7.76			1.7	
5	X	24.0	79,000		2.3								2.0	
6	X	24.0	97,000		2.5								2.0	
7	X	24.0	72,000		2.5								2.0	
8	X	24.0	80,000		2.0								1.8	
9	X	24.0	70,000		2.0								1.5	
10	X	24.0	79,000		2.2								1.3	
11	X	24.0	76,000		2.3								1.5	
12	X	24.0	60,000		2.3								1.9	
13	X	24.0	83,000		3.0								2.2	
14	X	24.0	69,500		2.8								2.0	
15		24.0	69,500											
16	X	24.0	60,000		2.9								2.3	
17	X	24.0	73,000		2.8								2.5	
18	X	24.0	70,000		3.0					7.71			2.1	
19	X	24.0	51,000		2.8								2.1	
20	X	24.0	61,000		1.8								1.1	
21	X	24.0	62,000		3.2								2.2	
22		24.0	62,000											
23	X	24.0	61,000		2.1								1.5	
24	X	24.0	54,000		2.5								1.4	
25	X	24.0	53,000		2.3								1.8	
26	X	24.0	61,000		3.0								1.5	
27	X	24.0	41,000		2.1								1.6	
28	X	24.0	52,000		2.5								1.4	
29		24.0	52,000											
30	X	24.0	64,000		2.1								1.2	
31		24.0												
Total			2,052,000											
Average			68,552											
Maximum			103,000											

* Refer to the instructions for this report to determine which plants must provide this information.
 DEP Form 62-555.900(3)
 Effective August 28, 2003

#4

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER



	August, 2012
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A. Public Water System (PWS) Information

PWS Name: Labrador Utilities, Inc.		PWS Identification Number: 6514842	
PWS Type: <input checked="" type="checkbox"/> Community <input checked="" type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive			
Number of Service Connections at End of Month: 1178		Total Population Served at End of Month: 2,356	
PWS Owner: Utilities Inc. of Florida			
Contact Person: Patrick C Flynn		Contact Person's Title: Regional Director	
Contact Person's Mailing Address: 200 Weathersfield		City: Altamonte Sprin	State: Florida
		Zip Code: 32714	
Contact Person's Telephone Number: 407-869-1919		Contact Person's Fax Number: 407-869-6961	
Contact Person's E-Mail Address: pcflyn@uiwater.com			

B. Water Treatment Plant Information

Plant Name: Labrador Utilities		Plant Telephone Number: 813 355-4800	
Plant Address: 6429 Forest Lake Drive		City: Zephyrhills	State: Florida
		Zip Code: 33540	
Type of Water Treatment by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input checked="" type="checkbox"/> Purchased Finished Water			
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 564,000			
Plant Category (per subsection 62-699.310(4), F.A.C.): V		Plant Class (per subsection 62-699.310(4), F.A.C.): C	
Licensed Operators	Name	License Class	License Number
Lead/Chief Operator:	Robert Buono	C	14426
Other Operators:	Dave Shofstall	C	7799
	Lee Neal	C	14571

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge and belief. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date

Robert Buono

Printed or Typed Name

C-14426

License Number

#5

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER



December ,2012

A. Public Water System (PWS) Information

PWS Name:	Labrador Utilities, Inc.	PWS Identification Number:	6514842
PWS Type:	<input checked="" type="checkbox"/> Community <input checked="" type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive		
Number of Service Connections at End of Month:	1178	Total Population Served at End of Month:	2,356
PWS Owner:	Utilities Inc. of Florida		
Contact Person:	Patrick C Flynn	Contact Person's Title:	Regional Director
Contact Person's Mailing Address:	200 Weathersfield	City:	Altamonte Sprin
		State:	Florida
		Zip Code:	32714
Contact Person's Telephone Number:	407-869-1919	Contact Person's Fax Number:	407-869-6961
Contact Person's E-Mail Address:	pcflyn@uiwater.com		

B. Water Treatment Plant Information

Plant Name:	Labrador Utilities	Plant Telephone Number:	813 355-4800
Plant Address:	6429 Forest Lake Drive	City:	Zephyrhills
		State:	Florida
		Zip Code:	33540
Type of Water Treatment by Plant:	<input checked="" type="checkbox"/> Raw Ground Water <input checked="" type="checkbox"/> Purchased Finished Water		
Permitted Maximum Day Operating Capacity of Plant, gallons per day:	564,000		
Plant Category (per subsection 62-699.310(4), F.A.C.):	V	Plant Class (per subsection 62-699.310(4), F.A.C.):	C
Licensed Operators	Name	License Class	License Number
Lead/Chief Operator:	Robert Buono	C	14426
Other Operators:	Dave Shofstall	C	7799
	Lee Neal	C	14571

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge and belief. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to provide these additional operations records to the PWS owner so the PWS owner can retain them, together with copies of this report, at a convenient location for at least ten years.

Signature and Date

Robert Buono

Printed or Typed Name

C-14426

License Number

#6



Tank Inspection Report

Utilities Inc
 Labrador Tank
 Liquid Engineering Corporation 38368B

Tank Name:	Labrador	Tank Type:	On Grade
City:	Zephyrhills	Tank Capacity:	34KG
State:	Florida	Type of Construction:	Bolted Steel
Year Built:	Unknown		
Inspected By: LEC Maintenance Team 10 – Team Leader James Richards			
Inspection Date: January 27, 2010			

GENERAL

This report is a supplement to the visual and video inspection undertaken for Utilities Inc by Liquid Engineering Corporation of Billings, MT. The Labrador tank is an on-grade water storage tank. The tank has a 34,000-gallon capacity with an overall height of 28 feet and a diameter of approximately 15 feet. The tank is founded on a concrete base.



400 55 07 2010

STANDARDS

The inspection of this tank was performed by a dive maintenance technician using surface supplied air, totally encapsulated in a sealed dry suit mated to a sealed dry divers hard hat and conducted in accordance with all applicable OSHA, EPA, AWWA, NACE, SSPC and ADC requirements and/or recommendations.

The inspection consisted of a visual observation of the tank's interior and exterior components and coating system. The tank was not drained for the inspection and all interior assessment data was recorded using real time video with live voice narration. Exterior assessment data was documented using digital still photographs.

CONDITION OBSERVATIONS

Conditions noted during the field inspection are documented in the following pages and are supplemented with color photographs at the end of the report. Condition ratings used to describe the inspection findings are annotated as follows:

Excellent:	No deficiencies noted.
Good:	Minor deficiencies noted. Item is functioning as designed.
Fair:	Major deficiencies noted. Item is in need of repairs to continue functioning as designed.
Poor:	Repair or replacement required immediately. Item may no longer function as designed.

CONTAMINATION, HEALTH & SAFETY REPORT

Contamination and Health

- Air Vent(s) and Screen(s) – The tank was equipped with a single mushroom shaped air vent. The inspector reported the vent to be properly screened.
- Hatches – The topside access hatch was properly secured, but did not have an adequate seal.
- Exterior Overflow – The exterior overflow was equipped with a flapper and gasket, but did not have a fine mesh screen installed.
- Roof to Wall Joint – This area appeared to be sealed properly at the time of the inspection.
- Roof Integrity – No holes, standing water or cracks were observed on the roof or wall areas.
- Manway Integrity – The manway was reported to be sealed and in Good condition with no leaking detected.
- Water Clarity – The water was clear; no odor or floating surface debris was noted.

Facility Safety Compliance

- External Ladder – The external access ladder measured 28' in overall height with no offset landing. It was equipped with a vandal guard that was locked upon the crew's arrival.
- Ladder Rails and Rung(s) – The rungs and rails appeared to be in satisfactory condition. The rungs were spaced at 9 ½" and had a toe depth of 5 ¼". The rails measured 1 ½" in width and 1/8" in thickness, and the rail-to-rail span was 16". Standards call for the toe depth to be at least 7", and for the rails to be a minimum of 2" wide and ¼" thick.
- Safety Climb – The access ladder also had a cage style safety climb system. It appeared to be bolted attached to the ladder and in good working order.
- Manway – The tank was equipped with a single manway measuring 45 ½" in diameter. It had a bolted support structure; no leaking was detected.
- Hatch – The topside access hatch measured 30" square. The hatch lip was 4" and the overlap was 2".
- Railing – The 2-piece railing ran around the perimeter of the roof and measured 42" in height. The toe rail was 4"; all components appeared to be in Good condition.
- Roof – The inspector observed 10 safety tie-off points on the roof of the reservoir and noted that each was in Good condition.

INTERIOR RESERVOIR INSPECTION REPORT

Interior Reservoir Roof

- Vent(s) – The internal penetration of the air vent was located in the center of the roof. Using the SSPC scale where 10 is the least corroded, the vent rated a "7" meaning that isolated surface corrosion was identified. See Appendix B for the SSPC legend.
- Roof Panels – Keeping with the same corrosion grading scale, the roof panels rated a "6" in all quadrants. The inspector observed uniform surface corrosion on approximately 1% of the surface areas.
- Roof Support Structure – The support structure was estimated as a "4" on the SSPC scale. Approximately 10% of the support surfaces showed corrosion. In addition, corrosion staining and dealloying was reported in all Quadrants.
- Painting Ring – This tank was not equipped with a Painters Ring.
- Protective Coating – The coating appeared to be in Fair condition with staining reported.

Interior Reservoir Walls

- Wall to Roof Seam – This bolted area was graded as a "6" on the SSPC scale. Approximately 1% of the surface was affected by uniform surface corrosion. It appears that a foam sealant was added to this area, but due to the lower water level, the inspector could not closely evaluate the area.
- Ring Panels – The middle and lower ring panels in this reservoir were assessed at a "9" showing minute rusting on less than .03% of the panel faces. Isolated corrosion was noted at the bolted seams.
- Interior Ladder – The tank was not equipped with an interior ladder.
- Protective Coating – The wall coating showed similar staining and appeared to be in Fair condition.

Interior Reservoir Floor

- Perimeter Seam – The perimeter rated a "4" on the SSPC scale; approximately 10% of the area was affected by uniform surface corrosion and concentration, no pitting was reported.
- Floor Panels – The crew removed a skiff of sand-iron mixed sediment that was evenly distributed throughout the reservoir. This allowed for a thorough inspection of the floor panels, which were graded as a "9" on the same corrosion scale.
- Protective Coating – The protective coating on the floor areas again showed heavy staining, a cosmetic discrepancy, and pinholes, but otherwise appeared to be in Good condition.

Interior Reservoir Plumbing Components

- Inlet Plumbing – The inlet penetrated the tank in Quadrant 4 and measured 6" in diameter. The structure was rated a "6" as 1% of the appurtenance exhibited surface corrosion. It did appear to be operating as designed.
- Outlet Plumbing – The outlet was positioned in Quadrant 4. The structure also measured 6" in diameter and appeared to be operating as designed. The inspector did observe uniform surface corrosion on approximately .3% of the structure and graded it as a "5" on the SSPC scale.
- Manways – The manway penetrated the wall of the tank in Quadrant 2. It measured 44 1/2" in diameter and no leaking was detected. It showed only minute uniform surface corrosion and concentration cell corrosion, and rated a "9" on the SSPC scale.
- Floor Drains – The tank was not equipped with a floor drain.
- Overflow – The interior penetration of the overflow was positioned in Quadrant 2, and measured 4" in diameter. It was assessed as a "3" on the SSPC scale with "10" being the least corroded. Approximately 17% of the structure exhibited uniform surface corrosion. The inspector also reported heavy corrosion staining coming from this area.

EXTERIOR RESERVOIR INSPECTION REPORT

Exterior Reservoir Roof

- Vent(s) – The exterior portion of the vent exhibited concentration cell corrosion around the edges and on the underside of the structure. It was equipped with a fine mesh screen and rated an "8" on the SSPC corrosion grading scale.
- Roof Panels – The exterior roof panels showed very isolated areas of uniform surface corrosion. Using the same scale, they were also assessed as an "8"
- Access Hatch – The access hatch was graded as a "1" as 33% of the structure showed uniform surface corrosion. In addition, the inspector reported dealloying.
- Protective Coating – The coating showed checks, cracks and staining, but appeared to be adequately protecting the roof of the tank. Dry film thickness tests performed on the roof averaged 11 mils with no presence of lead reported.

Exterior Reservoir Walls

- Ring Panels – Upper, middle and lower panels showed no discrepancies; they rated a "10" on the SSPC scale. As noted above, see Appendix B for the SSPC legend.
- Overflow – The exterior portion of the overflow was also rated a "10" on the same corrosion grading scale. No discrepancies were observed.
- Protective Coating – The coating in this area showed similar staining to that noted on the roof, but otherwise appeared to be effectively protecting the tank shell. Mil thickness on the walls averaged 6 mils, and no presence of lead was detected.

Footings / Foundation

- Footings / Foundation – The foundation of the tank was found to be in satisfactory condition with no cracking or concrete spalling observed.

GENERAL TANK SECURITY

Security

- Fencing – The tank was surrounded by security fence, which was locked when the crew arrived.
- Ladders – The primary access ladder was equipped with a locking vandal guard.
- Perimeter – The area surrounding the tank was well lit to deter vandalism.
- Vents – The vent was not equipped with security vent shroud.
- Hatches – The access hatch was locked, but not equipped with an electronic monitoring device.

SUMMARY

The overall condition of the Labrador on-grade tank appears to be Fair to Good.

The interior of the tank was rated in Fair condition. The roof and roof supports showed uniform surface corrosion ranging from a "4" to a "6" on the SSPC scale, meaning between 1% and 10% of the surfaces exhibited uniform surface corrosion and corrosion staining. In addition, dealloying was observed on the roof supports in all quadrants. The ring panels appeared to be in better condition, showing only minute rusting on less than .3% of the panel faces. The interior plumbing components did appear to be operating as designed, but each showed uniform surface corrosion on the interior and exterior portions. The interior overflow appeared to be in Poor condition, exhibiting corrosion on 17% of the structure. Considering the amount of corrosion in the reservoir, the utility should undertake some type of corrective measures. If a blast and recoat of the structure is not practical, spot touch ups should be made to the affected areas.

The exterior of the reservoir was in Good condition. The exterior roof panels and vent structure exhibited only isolated corrosion and the wall panels showed little or no discrepancy. The hatch penetration was rated a "1" on the SSPC scale, with 10 being the least corroded. Approximately 50% of the hatch showed uniform surface corrosion and dealloying was also observed. In addition, the hatch was not properly sealed. The utility should consider repairing or replacing the hatch, and at a minimum should install a gasket on the existing hatch to ensure a proper seal. In an effort to bring the tank to optimal condition, the utility should also consider increasing the rail width from the current 1 1/2" to a 2" minimum, and the rail thickness from 1/8" to at least 1/4".

At a minimum, the utility should continue to clean and inspect this tank every three to five years. Preventive maintenance of this nature will ensure that the identified discrepancies in this tank are closely monitored and will provide a record of care in the future.

(As a disinterested third-party inspector, LEC does not engage in the construction or rehabilitation of potable water storage facilities. LEC will, in its commitment to our clients and upon request, identify to the client relevant entities that are professionally reliable and best capable of completing the recommended work, or assist the client in research tips that will enable them to make a decision that best serves the utility.)



SWFWMD - FLOW METER ACCURACY VERIFICATION

Permittee: Patrick Flynn WUP No: 2006867 District ID #: 6514842
 Address: 200 Weathersfield Ave. City: Altamonte Springs State: FL. Zip: 32714
 Contact: Lee Neal Phone: 800-272-1919x506 Cell: 407-948-9863

FLOW METER INFORMATION: Labrodor Utilities Well#1

Manufacturer: Water Specialte Serial # 992402-6 Size: 6" Type: Saddle / Tube / Other
 Reading: 84247000 X 1000 Straight Run: Yes Vanes: Yes / No

Meter Multiplier

Pipe Information

Wall Thickness

Materials: D.R O.D. 6.9 Gauge: _____ Chart: 0.34
 Schedule / Class 53 Test Meter: Panametrics Liner: Yes

FLOW METER				TEST METER			
Time		Totalizer Reading (gallons) Meter A	Total (gpm) A	Total (gpm) B	A-B (gpm) C	Percent Error (C/B) x 100	
Minutes	Secs						
Minutes, sec	3 37	End 84249000	276.5	283.1	End 1061	2.34	
Minutes	3.62	Start 84248000			Test=		Start 37
		Total 1000			6.6		Total 1024
Minutes, sec	3 37	End 84250000	276.5	282.9	End 1060	2.25	
Minutes	3.62	Start 84249000			Test=		Start 37
		Total 1000			6.4		Total 1023
Averages						2.296	

Test Site Design

COMMENTS: Accuracy 97.7	
email:	
County:	

District Well Tags: Yes / No

Tag ID No:

Test Meter No.: 1592

Test Certification Date: 1/27/2011

Sound Speed: 5026 ft/s

Check By: Donnie Morrison, FRWA, State Circuit Rider

Date: _____

SWFWMD - FLOW METER ACCURACY VERIFICATION

Permittee: Patrick Flynn WUP No: 2006867 District ID #: 6514842
 Address: 200 Weathersfield Ave. City: Altamonte Springs State: FL. Zip: 32714
 Contact: Lee Neal Phone: 800-272-1919x506 Cell: 407-948-9863

FLOW METER INFORMATION: Labrodor Utilities Well# 2

Manufacturer: Water Specialte Serial # 20013659-6 Size: 6" Type: Saddle / Tube / Other
 Reading: 241478000 X 1000 Straight Run: Yes Vanes: Yes / No
Meter Multiplier

Pipe Information Wall Thickness
 Materials: D.R O.D. 6.9 Gauge: _____ Chart: 0.34
 Schedule / Class 53 Test Meter: Panametrics Liner: Yes

FLOW METER				TEST METER			
Time		Totalizer Reading (gallons) Meter A	Total (gpm) A	Total (gpm) B	A-B (gpm) C	Percent Error (C/B) x 100	
Minutes	Secs						
Minutes, sec	2 7	End 24150000	944.9	919.8	End 2009	-2.72	
Minutes	2.12	Start 24148000			Test=		Start 62
		Total 2000					Total 1947
Minutes, sec	2 7	End 24152000	944.9	920.3	End 2009	-2.67	
Minutes	2.12	Start 24150000			Test=		Start 61
		Total 2000					Total 1948
Averages						-2.696	

Test Site Design

COMMENTS: Accuracy 97.3	
email:	
County:	

District Well Tags: Yes / No

Tag ID No:

Test Meter No.: 1592

Test Certification Date: 1/27/2011

Sound Speed: 5026 ft/s

Check By: Donnie Morrison, FRWA, State Circuit Rider

Date: _____

#8

Schedule of Values Form
Contractors Bid Comparison Sheet
Forest Lake Estates
Odor Control System

Item	Description	Environmental Equipment Sales, Inc.				L7 Construction, Inc.				Brandes Design-Build, Inc.				ECO-2000, Inc.			
		Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount
1.00	General Conditions																
1.01	Mobilization / Demobilization / Permitting / General Conditions	L.S.	12,500.00	1	\$ 12,500.00	L.S.	55,000.00	1	\$ 55,000.00	L.S.	30,000.00	1	\$ 30,000.00	L.S.	33,600.00	1	\$ 33,600.00
1.02	Ballast, Pump Down, Clean, Pressure-Wash and Sand Blast Tanks	L.S.	63,171.00	1	\$ 63,171.00	L.S.	80,000.00	1	\$ 80,000.00	L.S.	85,000.00	1	\$ 85,000.00	L.S.	79,296.00	1	\$ 79,296.00
2.00	Subtotal:				\$ 75,671.00				\$ 135,000.00				\$ 115,000.00				\$ 112,896.00
3.00	Replace Existing Metals and Construct New Metals																
3.01	4 inch x 4 inch x 5/16 inch Thick A-36 Steel Angle Irons	L.F.	25.42	400	\$ 10,168.00	L.F.	27.00	400	\$ 10,800.00	L.F.	30.00	400	\$ 12,000.00	L.F.	13.81	400	\$ 5,524.00
3.02	4 inch x 4 inch x 5/16 inch Thick A-36 Steel "I" Irons	L.F.	25.42	380	\$ 9,659.60	L.F.	27.00	380	\$ 10,260.00	L.F.	35.00	380	\$ 13,300.00	L.F.	13.34	380	\$ 5,069.20
3.03	"C" Channels 6 inches deep x 5/16 inches Thick	L.F.	38.35	175	\$ 6,711.25	L.F.	35.00	175	\$ 6,125.00	L.F.	25.00	175	\$ 4,375.00	L.F.	15.32	175	\$ 2,681.00
3.04	Steel Plate 1/4 Inces Thick.	S.F.	30.21	250	\$ 7,552.50	S.F.	38.00	250	\$ 9,500.00	S.F.	35.00	250	\$ 8,750.00	S.F.	17.93	250	\$ 4,482.50
4.00	Coal Tar Epoxy Coat Interior of Tanks, Metals, Supports and X-Bracing	L.S.	75,000.00	1	\$ 75,000.00	L.S.	30,000.00	1	\$ 30,000.00	L.S.	75,000.00	1	\$ 75,000.00	L.S.	24,528.00	1	\$ 24,528.00
5.00	Construct Fiberglass Panels Complete	S.F.	48.67	1,400	\$ 68,138.00	S.F.	37.00	1,400	\$ 51,800.00	S.F.	45.00	1,400	\$ 63,000.00	S.F.	55.16	1,550	\$ 85,498.00
6.00	Fiberglass Panel Hatches - 2x3' - Complete.	EA	482.88	9	\$ 4,345.92	EA	530.00	9	\$ 4,770.00	EA	1,200.00	9	\$ 10,800.00	EA	Included	9	\$ -
7.00	Odor Control Equipment Including All Site Preparation, Concrete Slab, Retaining Walls, Backfill, Electrical, Mechanical, Connection to Sewer and Water Service Etc.	L.S.	277,700.00	1	\$ 277,700.00	L.S.	278,000.00	1	\$ 278,000.00	L.S.	275,500.00	1	\$ 275,500.00	L.S.	303,216.00	1	\$ 303,216.00
8.00	Subtotal:				\$ 459,275.27				\$ 401,255.00				\$ 462,725.00				\$ 430,998.70
9.00	Fiberglass Ductwork Including All Fittings, Supports, Appurtenances and																
9.01	14 Inch Diameter	L.F.	65.00	105	\$ 6,825.00	L.F.	94.00	105	\$ 9,870.00	L.F.	80.00	105	\$ 8,400.00	L.F.	191.52	105	\$ 20,109.60
9.02	12 Inch Diameter	L.F.	59.00	100	\$ 5,900.00	L.F.	83.00	100	\$ 8,300.00	L.F.	75.00	100	\$ 7,500.00	L.F.	185.92	100	\$ 18,592.00
9.03	10 Inch Diameter.	L.F.	52.00	110	\$ 5,720.00	L.F.	68.00	110	\$ 7,480.00	L.F.	75.00	110	\$ 8,250.00	L.F.	180.32	110	\$ 19,835.20
9.04	8 Inch Diameter.	L.F.	48.50	80	\$ 3,880.00	L.F.	88.00	80	\$ 7,040.00	L.F.	70.00	80	\$ 5,600.00	L.F.	174.72	80	\$ 13,977.60
10.00	Subtotal:				\$ 22,325.00				\$ 32,690.00				\$ 29,750.00				\$ 72,514.40
11.00	Fiberglass Duct Dampers with Drop Pipe, Fittings, Sealant Etc.																
11.01	8 Inch Diameter.	EA	1,925.00	1	\$ 1,925.00	EA	1,904.00	1	\$ 1,904.00	EA	450.00	1	\$ 450.00	EA	2,251.70	1	\$ 2,251.70
11.02	6 Inch Diameter.	EA	1,675.00	8	\$ 13,400.00	EA	1,666.00	8	\$ 13,328.00	EA	350.00	8	\$ 2,800.00	EA	1,999.20	8	\$ 15,993.60
11.03	UV Coating for Fiberglass Panels and Ductwork	L.S.	3,900.00	1	\$ 3,900.00	L.S.	2,500.00	1	\$ 2,500.00	L.S.	5,000.00	1	\$ 5,000.00	L.S.	Included	1	\$ -
12.00	Subtotal:				\$ 19,225.00				\$ 17,732.00				\$ 8,250.00				\$ 18,245.30
13.00	Total Base Bid:				\$ 576,496.27				\$ 586,677.00				\$ 615,725.00				\$ 634,654.40

Schedule of Values Form
Forest Lake Estates WWTF
Odor Control System

Item	Description	Unit	Unit Price	Quantity	Amount
1.00	Mobilization / Demobilization / Permitting / General Conditions	L S	55,000	1	\$ 55,000.00
2.00	Ballast, Pump Down, Clean, Pressure-Wash and Sand-Blast Tanks	L S	80,000	1	\$ 80,000.00
3.00	Replace Existing Metals and Construct New Metals				
3.01	4 inch X 4 inch X 5/16 inch thk A 36 Steel Angle Irons	L F	27	400	\$ 10,800.00
3.02	4 inch X 4 inch X 5/16 inch thk A 36 Steel "T" Irons	L F	27	380	\$ 10,260.00
3.03	"C" Channels 6 inches deep X 5/16 inches thk	L F	35	175	\$ 6,125.00
3.04	Steel Plate 1/4 inch thk	S F	38	250	\$ 9,500.00
4.00	Coal Tar Epoxy Coat Interior of Tanks, Metals, Supports and X-Bracing	L S	30,000	1	\$ 30,000.00
5.00	Construct Fiberglass Panels Complete	S F	37	1,400	\$ 51,800.00
6.00	Fiberglass Panel Hatches-2' X 3'-Complete	EA	530	9	\$ 4,770.00
7.00	Odor Control Equipment Including All Site Preparation, Slab, Retaining Walls, Backfill, Electrical, Mechanical, Connection to Sewer, Water Service, Etc	LS	278,000	1	\$ 278,000.00
8.00	Fiberglass Ductwork Including All Fittings, Supports, Appurtenances and Incidentals				
8.01	14 inch diameter	LF	94	105	\$ 9,870.00
8.02	12 inch diameter	LF	83	100	\$ 8,300.00
8.03	10 inch diameter	LF	68	110	\$ 7,480.00
8.04	8 inch diameter	LF	88	80	\$ 7,040.00
9.00	Fiberglass Duct Dampers with Drop Pipe, Fittings, Sealant, Etc				
9.01	8 inch diameter	EA	1,904	1	\$ 1,904.00
9.02	6 inch diameter	EA	1,666	8	\$ 13,328.00
10.00	UV Coating for Fiberglass Panels and Ductwork	L S	2,500	1	\$ 2,500.00
5.00	Total Base Bid:				\$ 586,677.00

Grand Total Amount \$ FIVE HUNDRED EIGHTY SIX THOUSAND SIX HUNDRED SEVENTY SEVEN AND NO CENTS
dollar number in writing

Note If any item of work is not specifically identified in this Contractor's Bid, Contractor shall incorporate the price of said work in any of the other bid items. The price quoted in this Contractor's Bid will be the price to complete the work as shown in the Plans and Specifications in order to construct a complete and functional system in accordance with the intent of the Plans and Specifications.

By Brett Lefever
(signature)
BRETT LEFEVER / PRESIDENT
(print name and title)

5/9/14
(date)

L7 CONSTRUCTION, INC.
Contractor's Company Name
2295 SPRINGS LANDING BLVD
Contractor's Company Address
LONGWOOD, FL 32779
Telephone Number
321-972-9325

14-019 Forest Lake Estates WWTF Odor Control System
 Bid Date 5/9/14
 BID SCHEDULE

Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Submittals	■	■	■	■	■	■																		
Clean tanks & misc metals							■	■	■	■	■	■	■											
Coatings								■	■	■	■	■	■	■										
FRP covers												■	■	■	■									
FRP duct piping															■	■	■	■	■					
Odor Control System																		■	■	■	■	■		
Electrical																		■	■	■	■	■		
Completion																						■		

**Schedule of Values Form
Contractors Bid Comparison Sheet
Forest Lake Estates
Odor Control System**

		Environmental Equipment Sales, Inc.				L7 Construction, Inc.				Brandes Design-Build, Inc.				ECO-2000, Inc.			
Item	Description	Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount	Unit	Unit Price	Quantity	Amount
1.00	General Conditions																
1.01	Mobilization / Demobilization / Permitting / General Conditions	L.S.	12,500.00	1	\$ 12,500.00	L.S.	55,000.00	1	\$ 55,000.00	L.S.	30,000.00	1	\$ 30,000.00	L.S.	33,600.00	1	\$ 33,600.00
1.02	Ballast, Pump Down, Clean, Pressure-Wash and Sand Blast Tanks	L.S.	63,171.00	1	\$ 63,171.00	L.S.	80,000.00	1	\$ 80,000.00	L.S.	85,000.00	1	\$ 85,000.00	L.S.	79,296.00	1	\$ 79,296.00
2.00	Subtotal:				\$ 75,671.00				\$ 135,000.00				\$ 115,000.00				\$ 112,896.00
3.00	Replace Existing Metals and Construct New Metals																
3.01	4 inch x 4 inch x 5/16 inch Thick A-36 Steel Angle Irons	L.F.	25.42	400	\$ 10,168.00	L.F.	27.00	400	\$ 10,800.00	L.F.	30.00	400	\$ 12,000.00	L.F.	13.81	400	\$ 5,524.00
3.02	4 inch x 4 inch x 5/16 inch Thick A-36 Steel "T" Irons	L.F.	25.42	380	\$ 9,659.60	L.F.	27.00	380	\$ 10,260.00	L.F.	35.00	380	\$ 13,300.00	L.F.	13.34	380	\$ 5,069.20
3.03	"C" Channels 6 inches deep x 5/16 inches Thick	L.F.	38.35	175	\$ 6,711.25	L.F.	35.00	175	\$ 6,125.00	L.F.	25.00	175	\$ 4,375.00	L.F.	15.32	175	\$ 2,681.00
3.04	Steel Plate 1/4 Inces Thick	S.F.	30.21	250	\$ 7,552.50	S.F.	38.00	250	\$ 9,500.00	S.F.	35.00	250	\$ 8,750.00	S.F.	17.93	250	\$ 4,482.50
4.00	Coal Tar Epoxy Coat Interior of Tanks, Metals, Supports and X-Bracing	L.S.	75,000.00	1	\$ 75,000.00	L.S.	30,000.00	1	\$ 30,000.00	L.S.	75,000.00	1	\$ 75,000.00	L.S.	24,528.00	1	\$ 24,528.00
5.00	Construct Fiberglass Panels Complete.	S.F.	48.67	1,400	\$ 68,138.00	S.F.	37.00	1,400	\$ 51,800.00	S.F.	45.00	1,400	\$ 63,000.00	S.F.	55.16	1,550	\$ 85,498.00
6.00	Fiberglass Panel Hatches - 2x3' - Complete.	EA	482.88	9	\$ 4,345.92	EA	530.00	9	\$ 4,770.00	EA	1,200.00	9	\$ 10,800.00	EA	Included	9	\$ -
7.00	Odor Control Equipment Including All Site Preparation, Concrete Slab, Retaining Walls, Backfill, Electrical, Mechanical, Connection to Sewer and Water Service Etc.	L.S.	277,700.00	1	\$ 277,700.00	L.S.	278,000.00	1	\$ 278,000.00	L.S.	275,500.00	1	\$ 275,500.00	L.S.	303,216.00	1	\$ 303,216.00
8.00	Subtotal:				\$ 459,275.27				\$ 401,255.00				\$ 462,725.00				\$ 430,998.70
9.00	Fiberglass Ductwork Including All Fittings, Supports, Appurtenances and																
9.01	14 Inch Diameter	L.F.	65.00	105	\$ 6,825.00	L.F.	94.00	105	\$ 9,870.00	L.F.	80.00	105	\$ 8,400.00	L.F.	191.52	105	\$ 20,109.60
9.02	12 Inch Diameter	L.F.	59.00	100	\$ 5,900.00	L.F.	83.00	100	\$ 8,300.00	L.F.	75.00	100	\$ 7,500.00	L.F.	185.92	100	\$ 18,592.00
9.03	10 Inch Diameter	L.F.	52.00	110	\$ 5,720.00	L.F.	68.00	110	\$ 7,480.00	L.F.	75.00	110	\$ 8,250.00	L.F.	180.32	110	\$ 19,835.20
9.04	8 Inch Diameter	L.F.	48.50	80	\$ 3,880.00	L.F.	88.00	80	\$ 7,040.00	L.F.	70.00	80	\$ 5,600.00	L.F.	174.72	80	\$ 13,977.60
10.00	Subtotal:				\$ 22,325.00				\$ 32,690.00				\$ 29,750.00				\$ 72,514.40
11.00	Fiberglass Duct Dampers with Drop Pipe, Fittings, Sealant Etc.																
11.01	8 Inch Diameter	EA	1,925.00	1	\$ 1,925.00	EA	1,904.00	1	\$ 1,904.00	EA	450.00	1	\$ 450.00	EA	2,251.70	1	\$ 2,251.70
11.02	6 Inch Diameter	EA	1,675.00	8	\$ 13,400.00	EA	1,666.00	8	\$ 13,328.00	EA	350.00	8	\$ 2,800.00	EA	1,999.20	8	\$ 15,993.60
11.03	UV Coating for Fiberglass Panels and Ductwork	L.S.	3,900.00	1	\$ 3,900.00	L.S.	2,500.00	1	\$ 2,500.00	L.S.	5,000.00	1	\$ 5,000.00	L.S.	Included	1	\$ -
12.00	Subtotal:				\$ 19,225.00				\$ 17,732.00				\$ 8,250.00				\$ 18,245.30
13.00	Total Base Bid:				\$ 576,496.27				\$ 586,677.00				\$ 615,725.00				\$ 634,654.40

Schedule of Values Form Forest Lake Estates WWTF Odor Control System					
Item	Description	Unit	Unit Price	Quantity	Amount
1.00	Mobilization / Demobilization / Permitting / General Conditions.	L.S.	\$30,000.00	1	\$30,000.00
2.00	Balast, Pump Down, Clean, Pressure-Wash and Sand-Blast Tanks	L.S.	\$85,000.00	1	\$85,000.00
3.00	Replace Existing Metals and Construct New Metals				
3.01	4 inch X 4 inch X 5/16 inch thk A 36 Steel Angle Irons	L.F.	\$30.00	400	\$12,000.00
3.02	4 inch X 4 inch X 5/16 inch thk A 36 Steel "T" Irons	L.F.	\$35.00	380	\$13,300.00
3.03	"C" Channels 6 inches deep X 5/16 inches thk	L.F.	\$25.00	175	\$4,375.00
3.04	Steel Plate 1/4 inch thk	S.F.	\$35.00	250	\$8,750.00
4.00	Coal Tar Epoxy Coat Interior of Tanks, Metals, Supports and X-Bracing	L.S.	\$75,000.00	1	\$75,000.00
5.00	Construct Fiberglass Panels Complete	S.F.	\$45.00	1,400	\$63,000.00
6.00	Fiberglass Panel Hatches-2' X 3'-Complete	EA.	\$1,200.00	9	\$10,800.00
7.00	Odor Control Equipment Including All Site Preparation, Slab, Retaining Walls, Backfill, Electrical, Mechanical, Connection to Sewer, Water Service, Etc.	LS	\$275,500.00	1	\$275,500.00
8.00	Fiberglass Ductwork Including All Fittings, Supports, Appurtenances and Incidentals.				
8.01	14 inch diameter	LF	\$80.00	105	\$8,400.00
8.02	12 inch diameter	LF	\$75.00	100	\$7,500.00
8.03	10 inch diameter	LF	\$75.00	110	\$8,250.00
8.04	8 inch diameter	LF	\$70.00	80	\$5,600.00
9.00	Fiberglass Duct Dampers with Drop Pipe, Fittings, Sealant, Etc.				
9.01	8 inch diameter	EA.	\$450.00	1	\$450.00
9.02	6 inch diameter	EA.	\$350.00	8	\$2,800.00
10.00	UV Coating for Fiberglass Panels and Ductwork	L.S.	\$5,000.00	1	\$5,000.00
5.00	Total Base Bid:				\$615,725.00

Grand Total Amount: \$ \$615,725.00 *SIX HUNDRED AND FORTY FIVE THOUSAND SEVEN HUNDRED AND TWENTY FIVE DOLLARS*
 dollar number in writing.

Note: If any item of work is not specifically identified in this Contractor's Bid, Contractor shall incorporate the price of said work in any of the other bid items. The price quoted in this Contractor's Bid will be the price to complete the work as shown in the Plans and Specifications in order to construct a complete and functional system in accordance with the intent of the Plans and Specifications.

By: *[Signature]*
 (signature)
Kevin Klaus - President
 (print name and title)

5/9/14
 (date)

Brandes Design-Build, Inc.
 Contractor's Company Name
2151 NE Coachman Rd Clearwater, FL 33765
 Contractor's Company Address
(727) 445 7544
 Telephone Number

Schedule of Values Form
Forest Lake Estates WWTF
Odor Control System

Item	Description	Unit	Unit Price	Quantity	Amount
1.00	Mobilization / Demobilization / Permitting / General Conditions.	L.S.	33,600	1	33,600
2.00	Ballast, Pump Down, Clean, Pressure-Wash and Sand-Blast Tanks	L.S.	79,296	1	79,296
3.00	Replace Existing Metals and Construct New Metals				
3.01	4 inch X 4 inch X 5/16 inch thk A 36 Steel Angle Irons	L.F.	13.81	400	5,524
3.02	4 inch X 4 inch X 5/16 inch thk A 36 Steel "T" Irons	L.F.	13.34	380	5,069
3.03	*C* Channels 6 inches deep X 5/16 inches thk	L.F.	15.32	175	2,681
3.04	Steel Plate 1/4 inch thk.	S.F.	17.93	250	4,483
4.00	Coal Tar Epoxy Coat Interior of Tanks, Metals, Supports and X-Bracing	L.S.	24,528	1	24,528
5.00	Construct Fiberglass Panels Complete.	S.F.	55.16	1,550 4,400	85,498
6.00	Fiberglass Panel Hatches-2' X 3'-Complete	EA.	INCLUDED	9	0
7.00	Odor Control Equipment Including All Site Preparation, Slab, Retaining Walls, Backfill, Electrical, Mechanical, Connection to Sewer, Water Service, Etc.	LS	303,216	1	303,216
8.00	Fiberglass Ductwork Including All Fittings, Supports, Appurtenances and Incidentals.				
8.01	14 inch diameter	LF	191.52	105	20,110
8.02	12 inch diameter	LF	185.92	100	18,592
8.03	10 inch diameter	LF	180.32	110	19,835
8.04	8 inch diameter	LF	174.72	80	13,978
9.00	Fiberglass Duct Dampers with Drop Pipe, Fittings, Sealant, Etc.				
9.01	8 inch diameter	EA.	2,251.20	1	2,251
9.02	6 inch diameter	EA.	1,999.20	8	15,994
10.00	UV Coating for Fiberglass Panels and Ductwork	L.S.	INCLUDED	1	0
5.00	Total Base Bid:				# 634,655

Grand Total Amount: \$ SIX HUNDRED THIRTY FOUR THOUSAND SIX HUNDRED FIFTY FIVE
dollar number in writing

Note: If any item of work is not specifically identified in this Contractor's Bid, Contractor shall incorporate the price of said work in any of the other bid items. The price quoted in this Contractor's Bid will be the price to complete the work as shown in the Plans and Specifications in order to construct a complete and functional system in accordance with the intent of the Plans and Specifications.

By: Gerrard F. Guthmiller (signature) 5/9/2014 (date)
GERRARD F. GUTHMILLER, PROJECT MANAGER (print name and title)

ECO-2000, INC.
Contractor's Company Name
1611 WEST CR48
Contractor's Company Address
BUSHNELL, FL 33513
Telephone Number
(904) 383-0573



FLORIDA SURETY BONDS, INC.

620 N Wymore Road Suite 200
Maitland, FL 32751
(407) 786-7770 ♦ Fax (407) 786-7766

1326 S. Ridgewood Avenue, Suite 15
Daytona Beach, FL 32114
(386) 898-0507 ♦ Fax (386) 898-0510

Toll Free (888) 786-BOND ♦ Fax (888) 718-BOND
www.FloridaSuretyBonds.com

May 06, 2014

Labrador Utilities, Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714

RE: ECO-2000, Inc.

Project: Forest Lake Estates Wastewater Treatment Facility Odor Control System, 41311
Paquette Way, Zephyrhills, FL
Project Scope: Construction of an Odor Control System to service three steel digester
tanks and two flow equalization tanks.
Estimate: \$650,000.00

To Whom It May Concern,

We are the surety agents for ECO-2000, Inc. Bonds are currently written through United
Fire & Casualty Company which is Best Rated "A, X" and has a Treasury Listing of
\$48,646,000.00.

We anticipate no difficulties in providing surety bonds for ECO-2000, Inc. in the
\$750,000 single, \$750,000 aggregate range. In the event that ECO-2000, Inc. is low and
awarded this project, we would not anticipate any difficulties in providing the necessary
performance and payment bonds, subject to normal underwriting requirements. The cost
of the bond would be approximately \$10,800.00. This letter is not a commitment to
provide any bonds unless all underwriting requirements including contract review are
met prior to issuing any bonds. Neither our agency, nor the surety are liable for any
damages relating to this letter or project.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

Kim E. Niv
Vice President

