



912 7<sup>th</sup> AVENUE EAST  
BRADENTON, FL 34208

April 17, 2020

Ms. Patty Helton Davis  
PHD Realty  
1812 S Main St.  
Atmore, Alabama 36502

**Subject: Summary of Environmental Status**  
Panhandle 66  
8400 N Century Blvd.  
Century, Florida

Dear Ms. Helton Davis:

The purpose of this letter is to provide you with a summary of the environmental status of the Panhandle 66 property located at 8400 North Century Boulevard in Century, Florida. My firm, Ridge Environmental Solutions (Ridge) has been involved with this project since 2013. The activities we have been performing at this property are regulated and overseen by the Florida Department of Health in Escambia County under contract to the Florida Department of Environmental Protection (FDEP).

As you are aware, prior tenants at the property caused a release of petroleum products to the soil and groundwater beneath the ground surface. These events were in no way caused by the Campbells; however, the Campbells have nonetheless undertaken steps to mitigate this problem. Since the release occurred in 2007, active soil and groundwater remediation has taken place that included excavation and off-site disposal of some of the contaminated soil. I also want to point out that there have been no new environmental releases caused by the operation at the facility and the Campbells have maintained consistent and effective operation and maintenance of the fueling system at the property. In addition, an active soil and groundwater remediation system operated for a period of time until operations ceased in August 2010. Alternative methods were used for the next 3 years to remove diesel from the groundwater surface. These methods have helped to improve the groundwater quality substantially and mitigation measures are ongoing.

There are 2 primary conditions beneath the ground surface at the site that are regulated within the State FDEP – diesel floating on the groundwater surface and dissolved petroleum substances. In 2013, Ridge prepared a Remedial Action Plan (RAP) to address both conditions; however, shortly after this RAP was submitted, FDEP changed their regulations to allow for dissolved petroleum substances at properties to be left in the ground at greater concentrations as long as these substances were confined to the underground area of the property and had not migrated off the property. If this condition is present, as it is at the Panhandle 66 property, it allows property owners like the Campbells (and subsequent owners of

the property) to establish a goal of removing just the floating diesel from the groundwater surface, and to allow some dissolved substance concentrations to remain in the ground. This is a more of a risk based standard than what previously existed, and is appropriate for use at this property and has been selected as the strategy to close out this project, since the impacted material is not causing any harm to the surrounding properties. These reduced risk-based standards are set by the FDEP and used by property owners throughout Florida.

One of the biggest advantages for property owners, present and future, is this risk-based standard is significantly less costly to monitor and the mitigation costs can be spread out over several years, such that cashflow expenditures related to complying with the State are minimized for businesses that might operate at the property.

I would encourage prospective buyers that are interested in operating a business in Century to keep an open mind about the possibilities for this property. In the meantime, if you have any questions, please do not hesitate to contact me by phone at (770) 337-9531 or by email at pzomer@ridgeenvironmental.com.

Sincerely,  
**RIDGE ENVIRONMENTAL SOLUTIONS, INC.**



Patrick W. Zomer, P.E.  
Florida Licensed Professional Engineer  
Florida Licensed Building Contractor

10/8/2008

AFG Petroleum, LLC.

\*\*29,476.52

Twenty-Nine Thousand Four Hundred Seventy-Six and 52/100\*\*\*\*\*

AFG Petroleum, LLC  
1350 South Pearl St.  
Crestview, FL 32539

AFG Petroleum, LLC.

Ground fuel tanks

10/8/2008

29,476.52

Cash in Bank - checki

29,476.52

AFG Petroleum, LLC.

Ground fuel tanks

10/8/2008

29,476.52

Cash in Bank - checki

29,476.52

**Attachment A**  
(Well Construction Logs)

### WELL CONSTRUCTION DATA

Well Number: <b>A5-1</b>		Site Info:	Block/lot #:	FDEP Facility ID Number:	Well ID # (Date, if):
Project #:		<b>20040012</b>	<b>2004 2007 001</b>	<b>10340001</b>	<b>5-28-09</b>
Well Location and Type (check appropriate boxes):		Well Purpose:		Well Install Method (Circle):	
<input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Off-Site (Private Property) <input type="checkbox"/> Above Ground (AG) <input type="checkbox"/> 1-40 feet or less above and/or splash		<input type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Remediation or Other (describe):		<input checked="" type="checkbox"/> MSA, MPA, SSA, DPT, BA, Sand <input type="checkbox"/> Surface Casing Install Method (Circle): MSA, MPA, SSA, DPT, BA, Sand	
Borehole Depth (feet):	Well Depth (feet):	Manhole Diameter (inches):	Well Pad Size: _____ feet by _____ feet		
<b>39.3</b>	<b>39</b>				
Borehole Diameter - inches (Check One): <input type="checkbox"/> 3.25" <input checked="" type="checkbox"/> 3.25" <input type="checkbox"/> 10" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify):					
Riser Diameter and Material:	Riser Screen Connections:	Riser Length:	Riser Length: _____ feet		
<b>2" PVC</b>	<input checked="" type="checkbox"/> Flare - Threaded <input type="checkbox"/> Other (describe):	<b>37</b>	from <b>0</b> feet to <b>37</b> feet		
Screen Diameter and Material:	Screen Slot Size:	Screen Length:	Screen Length: _____ feet		
<b>2" PVC</b>	<b>0.01"</b>	<b>2</b>	from <b>37</b> feet to <b>39</b> feet		
1" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1" Surface Casing I.D. (inches):	1" Surface Casing Length: _____ feet		
			from _____ feet to _____ feet		
2" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2" Surface Casing I.D. (inches):	2" Surface Casing Length: _____ feet		
			from _____ feet to _____ feet		
3" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3" Surface Casing I.D. (inches):	3" Surface Casing Length: _____ feet		
			from _____ feet to _____ feet		
Filter Pack Material & Size:	Prescribed Filter Around Screen (check one):	Filter Pack Length:	Filter Pack Length: _____ feet		
<b>20/30 Sand</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>3.3</b>	from <b>36</b> feet to <b>39.3</b> feet		
Filter Pack Seal Material and Size:		Filter Pack Seal Length:	Filter Pack Seal Length: _____ feet		
<b>30/65 Sand</b>		<b>0.5</b>	from <b>35.5</b> feet to <b>36</b> feet		
Surface Seal Material:		Surface Seal Length:	Surface Seal Length: _____ feet		
<b>neat Portland Cement</b>		<b>3.4</b>	from <b>1.5</b> feet to <b>35.5</b> feet		
<b>WELL DEVELOPMENT DATA</b>					
Well Development Date:	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air				
<b>5-29-09</b>	<input type="checkbox"/> Other (describe):				
Development Pump Type (check):	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic	Depth to Groundwater (before developing, in feet):			
<input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe):		<b>14</b>			
Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):		Well Purged Dry (check one):		
<b>0.75</b>	<b>NA</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):		
<input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<b>23</b>	<b>30</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development:		Water Appearance (color and odor) At End of Development:			
<b>Slightly cloudy, no odor</b>		<b>Clear, no odor</b>			
Development Calculation: 3 WELL VOLUMES = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY X 3					
= ( <b>39</b> feet - <b>14</b> feet ) X <b>0.16</b> gallons/foot = <b>4</b> gallons X 3 = <b>20</b> gallons					
WELL CAPACITY (Gallons Per Foot) 0.75" = 0.22 1" = 0.34 1.25" = 0.28 1.5" = 0.29 2" = 0.18 3" = 0.37 4" = 0.65 5" = 1.02 6" = 1.47 12" = 6.68					

Recorded by: *[Signature]* Date: **5-28-09**  
 Reviewed by: *[Signature]* Date: **6/15/09**

### WELL CONSTRUCTION DATA

Well Number: <b>A3-2</b>		Site Info: <b>Agri/Ind</b>		FUDR Facility ID Number: _____		Well Install Date(s): <b>5-28-09</b>	
Project # <b>200902000</b>		Facility Name/Address: _____		City/State: _____		Well Install Method (Circle): <b>MR, SSA, DPT, BA, S&amp;S</b>	
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site (Private Property) <input type="checkbox"/> Above Grade (A/G) <input checked="" type="checkbox"/> Push-To-Grade (A/G) = feet/feet above and surface		Well Purpose: <input type="checkbox"/> Shallow (Water Table) Monitoring <input type="checkbox"/> Interim/Short or Deep Monitoring <input type="checkbox"/> Placed Monitoring <input checked="" type="checkbox"/> Remediation or Other (describe): _____		Surface Casing Install Method (Circle): <b>MR, SSA, DPT, BA, S&amp;S</b>			
Borehole Depth (feet): <b>39.3</b>	Well Depth (feet): <b>39</b>	Minimum Diameter (inches): _____	Well Pipe Size: _____ feet by _____ feet				
Borehole Diameter - inches (Check One):		<input type="checkbox"/> 0.25"	<input checked="" type="checkbox"/> 0.25"	<input type="checkbox"/> 10"	<input type="checkbox"/> 12"	<input type="checkbox"/> Other (specify): _____	
Riser Diameter and Material: <b>2" PVC</b>	Riser/Screen Connections: <input checked="" type="checkbox"/> Flare-Threaded <input type="checkbox"/> Other (describe): _____	Riser Length: <b>37</b> feet		from <b>0</b> feet to <b>37</b> feet			
Screen Diameter and Material: <b>2" PVC</b>	Screen Slot Size: <b>0.01"</b>	Screen Length: <b>2</b> feet		from <b>37</b> feet to <b>39</b> feet			
1" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	1" Surface Casing I.D. (inches): _____	1" Surface Casing Length: _____ feet		from _____ feet to _____ feet			
2" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	2" Surface Casing I.D. (inches): _____	2" Surface Casing Length: _____ feet		from _____ feet to _____ feet			
3" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	3" Surface Casing I.D. (inches): _____	3" Surface Casing Length: _____ feet		from _____ feet to _____ feet			
Filter Pack Material & Size: <b>20/30 Sand</b>	Weighted Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Filter Pack Length: <b>3.3</b> feet		from <b>36</b> feet to <b>39.3</b> feet			
Filter Pack Seal Material and Size: <b>30/65 Sand</b>		Filter Pack Seal Length: <b>0.5</b> feet		from <b>35.5</b> feet to <b>36</b> feet			
Surface Seal Material: <b>neat Portland Cement</b>		Surface Seal Length: <b>3.4</b> feet		from <b>1.5</b> feet to <b>35.5</b> feet			
WELL DEVELOPMENT DATA							
Well Development Date: <b>5-29-09</b>		Well Development Method (check one):		<input type="checkbox"/> Surge Pump	<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Compressed Air	
Development Pump Type (check one): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe): _____		Depth to Groundwater (before developing, in feet): <b>14</b>					
Pumping Rate (gallons per minute): <b>0.75</b>	Maximum Drawdown of Groundwater During Development (feet): <b>NA</b>		Well Purged Dry (check one):		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <b>26</b>	Development Duration (minutes): <b>35</b>	Development Water Drummed (check one):		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development: <b>Silty, cloudy, no odor</b>		Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>					
Development Calculation: $5 \text{ WELLS VOLUMES} = \text{TOTAL WELL DEPTH} \cdot \text{STATIC DEPTH TO WATER} \cdot \text{WELL CAPACITY} \cdot 5$ $= 39 \text{ feet} \cdot 14 \text{ feet} \cdot 0.16 \text{ gallons/foot} \cdot 5 = 4 \text{ gallons} \cdot 5 = 20 \text{ gallons}$							
WELL CAPACITY (Gallons Per Foot 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.15; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.34)							
Recorded by: <b>cm</b>		Date: <b>5-28-09</b>					
Reviewed by: <b>gt</b>		Date: <b>6-15-09</b>					

### WELL CONSTRUCTION DATA

Well Number: <b>A5-3</b>		Site info:	Wellhead ID:	PDEP Facility ID Number:	Well Name (DWS)
Project # <b>150240254</b>		Well Location and Type (check appropriate boxes):	Well Purpose:	Well ID: <b>5-27-09</b>	
<input checked="" type="checkbox"/> On-site <input type="checkbox"/> Off-site (Private Property) <input type="checkbox"/> Above Grade (AGS) <input type="checkbox"/> At Foot of Inland Above Land Surface		<input type="checkbox"/> Right-of-Way <input checked="" type="checkbox"/> Flush-To-Grade	<input type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Remediation or Other (describe)	Well ID: <b>HSR MR 20A DPT BA 3000</b> Surface Overlay (check Method Code) =SA, MR, 30A, DPT, BA, 3000	
Bohemia Depth (feet): <b>39.3</b>	Well Depth (feet): <b>39</b>	Manhole Diameter (inches):	Well Pad Size (feet by feet):		
Bohemia Diameter - inches (Check Only):		<input type="checkbox"/> 3.25" <input checked="" type="checkbox"/> 3.25" <input type="checkbox"/> 4" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify)			
Riser Diameter and Material: <b>2" PVC</b>	Riser/Screen Connections:	<input checked="" type="checkbox"/> Flush - Threaded <input type="checkbox"/> Other (describe)		Riser Length:	<b>37</b> feet
				from <b>0</b> feet to <b>37</b> feet	
Screen Diameter and Material: <b>2" PVC</b>		Screen Slot Size: <b>0.01"</b>	Screen Length: <b>2</b> feet		
			from <b>37</b> feet to <b>39</b> feet		
1" Surface Casing Material:		1" Surface Casing I.D. (inches):	1" Surface Casing Length:		
Also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary			from _____ feet to _____ feet		
2" Surface Casing Material:		2" Surface Casing I.D. (inches):	2" Surface Casing Length:		
Also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary			from _____ feet to _____ feet		
3" Surface Casing Material:		3" Surface Casing I.D. (inches):	3" Surface Casing Length:		
Also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary			from _____ feet to _____ feet		
Filter Pack Material & Size: <b>20/30 Sand</b>		Prepacked Filter Around Screen (check one):	Filter Pack Length: <b>3.3</b> feet		
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	from <b>36</b> feet to <b>39.3</b> feet		
Filter Pack Seal Material and Size: <b>30/65 Sand</b>		Filter Pack Seal Length: <b>0.5</b> feet		from <b>35.5</b> feet to <b>36</b> feet	
Surface Seal Material: <b>neat portland cement</b>		Surface Seal Length: <b>3.4</b> feet		from <b>1.5</b> feet to <b>35.5</b> feet	

### WELL DEVELOPMENT DATA

Well Development Date: <b>5-27-09</b>	Well Development Method (check one):		<input type="checkbox"/> Surge Pump	<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Compressed Air
		<input type="checkbox"/> Other (describe)			
Development Pump Type (check one):	<input type="checkbox"/> Centrifugal	<input type="checkbox"/> Peristaltic	Depth to Groundwater (before developing, in feet): <b>14</b>		
<input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)					
Pumping Rate (gallons per minute): <b>0.75</b>	Maximum Drawdown of Groundwater During Development (feet): <b>NA</b>		Well Purged Dry (check one):		
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pumping Condition (check one):	Total Development Water Removed (gallons): <b>8</b>	Development Duration (minutes): <b>11</b>	Development Water Drilled (check one):		
<input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermitent			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development: <b>Silty, Cloudy, no odor</b>		Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>			
Development Calculation: 5 WELL VOLUMES = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY X 5 = ( <b>39</b> feet - <b>14</b> feet ) X <b>6.16</b> gallons/foot = <b>4</b> gallons X 5 = <b>20</b> gallons					
WELL CAPACITY Gallons Per Foot (0.75" = 0.22, 1" = 0.34, 1.25" = 0.38, 1.5" = 0.39, 2" = 0.48, 3" = 0.57, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.93)					

Recorded by: <i>cm</i>	Date: <b>5-27-09</b>
Reviewed by: <i>g.z.</i>	Date: <b>6/15/09</b>

### WELL CONSTRUCTION DATA

Well Number: <b>AS-4</b>		Site Info		Proposed Use		FDEP Facility ID Number		Well Install Date (YY-MM-DD)	
Project # <b>002A-0004</b>		EPA ID # <b>0000000000</b>		FDEP ID # <b>0000000000</b>		FDEP ID # <b>0000000000</b>		<b>5-28-09</b>	
Well Location and Type (check appropriate boxes)				Well Purpose				Well Install Method (Circle)	
<input checked="" type="checkbox"/> On-site <input type="checkbox"/> Off-site (Private Property) <input type="checkbox"/> Above-Grade (AG)				<input type="checkbox"/> Riser/Flush <input type="checkbox"/> Shadow / Under-Tank Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Finished Monitoring <input checked="" type="checkbox"/> Remediation or Other (describe)				<input checked="" type="checkbox"/> HSA MR, SGA, OPT, BA, Sand <input type="checkbox"/> Surface Casing (size, Method, Circle) HSA MR, SGA, OPT, BA, Sand	
(Add 10 feet riser above and outside)				Well Depth (feet): <b>39</b>		Minimum Diameter (inches)		Well Pkg Size	
Screen & Diameter (inches) (Check One)				<input type="checkbox"/> 3/20" <input checked="" type="checkbox"/> 3/20" <input type="checkbox"/> 1/2" <input type="checkbox"/> 1/2" <input type="checkbox"/> Other (specify)					
Riser Diameter and Material		Riser/Screen Connections		<input checked="" type="checkbox"/> Flush - Threaded <input type="checkbox"/> Other (describe)		Riser Length <b>37</b> feet			
<b>2" PVC</b>						from <b>0</b> feet to <b>37</b> feet			
Screen Diameter and Material		Screen Slot Size		Screen Length		<b>2</b> feet from <b>37</b> feet to <b>39</b> feet			
<b>2" PVC</b>		<b>0.01"</b>							
1" Surface Casing Material		1" Surface Casing ID (inches)		1" Surface Casing Length					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				from _____ feet to _____ feet					
2" Surface Casing Material		2" Surface Casing ID (inches)		2" Surface Casing Length					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				from _____ feet to _____ feet					
3" Surface Casing Material		3" Surface Casing ID (inches)		3" Surface Casing Length					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				from _____ feet to _____ feet					
Filter Pack Material & Size		Proposed Filter Around Screen (check one)		Filter Pack Length		<b>3.3</b> feet from <b>36</b> feet to <b>39.3</b> feet			
<b>20/30 Sand</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Filter Pack Seal Material and Size		Filter Pack Seal Length		<b>0.5</b> feet from <b>35.5</b> feet to <b>36</b> feet					
<b>30/65 Sand</b>									
Surface Seal Material		Surface Seal Length		<b>3.4</b> feet from <b>1.5</b> feet to <b>35.5</b> feet					
<b>neat Portland Cement</b>									

### WELL DEVELOPMENT DATA

Well Development Date: <b>5-29-09</b>		Well Development Method (check one)		<input type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check)		<input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing) in feet: <b>14</b>	
Pumping Rate (gallons per minute): <b>0.75</b>		Maximum Drawdown of Groundwater During Development (feet): <b>NA</b>		Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		Total Development Water Removed (gallons): <b>15</b>		Development Duration (minutes): <b>20</b>	
Water Appearance (color and odor) At Start of Development: <b>silky, cloudy, no odor</b>		Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Water Appearance (color and odor) At End of Development: <b>clear, no odor</b>	
Development Calculation: 5 WEL VOLUMES = TOTAL WELL DEPTH - STATIC DEPTH TO WATER X WELL CAPACITY X 5 = ( <b>39</b> feet - <b>14</b> feet ) X <b>0.16</b> gallons/foot = <b>4</b> gallons X 5 = <b>20</b> gallons					
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02 1" = 0.04 1.25" = 0.05 1.5" = 0.09 2" = 0.15 3" = 0.37 4" = 0.65 5" = 1.02 6" = 1.47 12" = 3.44					
Recorded by: <b>cm</b>		Date: <b>5-28-09</b>			
Reviewed by:		<b>g.t</b>		Date: <b>6/15/09</b>	

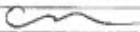


### WELL CONSTRUCTION DATA

Well Number: <b>A5-6</b>		Site No. _____		Municipality: _____		FDEP Facility ID Number: _____		Well Install Date: <b>5-26-09</b>	
Project # _____		Sanitary Code _____		_____		_____		_____	
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-site <input type="checkbox"/> Agricultural <input type="checkbox"/> Residential <input type="checkbox"/> Other (Private Property): _____ <input type="checkbox"/> Above-Grade (AG) <input checked="" type="checkbox"/> Push-To-Grass			Well Purpose: <input type="checkbox"/> Shallow Water Table Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Remediation or Other (describe): _____			Well Install Method (circle one): (454) <input checked="" type="checkbox"/> 334 DPT BA Sand Surface Casing Install Method (circle one): <input type="checkbox"/> 334 DPT BA Sand			
Borehole Depth (feet): <b>39.3</b>		Well Depth (feet): <b>39</b>		Manhole Diameter (inches): _____		Casing Pipe Size: _____ feet by _____ feet			
Borehole Diameter - inches (check one): <input type="checkbox"/> 3.25" <input checked="" type="checkbox"/> 3.25" <input type="checkbox"/> 10" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify): _____									
Riser Diameter and Material: <b>2" PVC</b>		Riser Screen Connections: <input checked="" type="checkbox"/> Flange-Threaded <input type="checkbox"/> Other (describe): _____		Riser Length: <b>37</b> feet from <b>0</b> feet to <b>37</b> feet					
Screen Diameter and Material: <b>2" PVC</b>		Screen Slot Size: <b>0.01"</b>		Screen Length: <b>2</b> feet from <b>37</b> feet to <b>39</b> feet					
1" Surface Casing Material: _____		1" Surface Casing I.D. (inches): _____		1" Surface Casing Length: _____ feet from _____ feet to _____ feet					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary									
2" Surface Casing Material: _____		2" Surface Casing I.D. (inches): _____		2" Surface Casing Length: _____ feet from _____ feet to _____ feet					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary									
3" Surface Casing Material: _____		3" Surface Casing I.D. (inches): _____		3" Surface Casing Length: _____ feet from _____ feet to _____ feet					
also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary									
Filter Pack Material & Size: <b>20/30 Sand</b>		Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <b>3.3</b> feet from <b>36</b> feet to <b>39.3</b> feet					
Filter Pack Seal Material and Size: <b>30/65 Sand</b>				Filter Pack Seal Length: <b>0.5</b> feet from <b>35.5</b> feet to <b>36</b> feet					
Surface Seal Material: <b>neat Portland Cement</b>				Surface Seal Length: <b>3.4</b> feet from <b>1.5</b> feet to <b>35.5</b> feet					
<b>WELL DEVELOPMENT DATA</b>									
Well Development Date: <b>5-27-09</b>		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe): _____							
Development Pump Type (check one): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic		Depth to Groundwater (before developing, in feet): <b>14</b>							
Pumping Rate (gallons per minute): <b>0.75</b>		Maximum Drawdown of Groundwater During Development (feet): <b>NA</b>				Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		Total Development Water Removed (gallons): <b>11</b>		Development Duration (minutes): <b>15</b>		Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Water Appearance (color and odor) At Start of Development: <b>cloudy, silty, slight odor</b>				Water Appearance (color and odor) At End of Development: <b>clear, no odor</b>					
Development Calculation: 5 WELL VOLUMES = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY X 5 = (39 feet - 14 feet) X 0.16 gallons/foot = 4 gallons X 5 = 20 gallons									
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02 1" = 0.04 1.25" = 0.08 1.5" = 0.09 2" = 0.16 3" = 0.37 4" = 0.65 5" = 1.02 6" = 1.47 12" = 5.88									
Recorded by: <b>CR</b>		Date: <b>5-26-09</b>							
Reviewed by: <b>Q.2</b>		Date: <b>6/15/09</b>							

### WELL CONSTRUCTION DATA

Well Number: <b>AS-7</b>		State: <b>MD</b>	County: <b>St. Mary's</b>	ADDF Facility ID Number: <b>170047001</b>	WPA Install Date: <b>5-27-09</b>
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Off-Site (Lease Property) <input type="checkbox"/> Abandonment (A/O) EA Number of Well: <b>1</b>		Well Purpose: <input type="checkbox"/> Shallow (Water Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Protection or Other (describe):		Well Construction Method (Circle): <input checked="" type="radio"/> HSA, MR, SSA, OPT, SA, SSB, SBC Surface Casing Installation Method (Circle): <input type="radio"/> HSA, MR, SSA, OPT, SA, SSB, SBC	
Stemhole Depth (feet): <b>39.3</b>	Well Depth (feet): <b>39</b>	Manhole Diameter (inches):	Well Pad Size: _____ feet by _____ feet		
Stemhole Diameter - inches (Check One): <input type="checkbox"/> 8.25" <input checked="" type="checkbox"/> 8.25" <input type="checkbox"/> 10" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify):		Riser Diameter and Material: <b>2" PVC</b>			
Riser Diameter and Material: <b>2" PVC</b>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush - Threaded <input type="checkbox"/> Other (describe):	Riser Length: <b>37</b> feet from <b>0</b> feet to <b>37</b> feet		
Screen Diameter and Material: <b>2" PVC</b>		Screen Slot Size: <b>0.01"</b>	Screen Length: <b>2</b> feet from <b>37</b> feet to <b>39</b> feet		
1" Surface Casing Material: Is it check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1" Surface Casing I.D. (inches):	1" Surface Casing Length: _____ feet from _____ feet to _____ feet		
2" Surface Casing Material: Is it check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2" Surface Casing I.D. (inches):	2" Surface Casing Length: _____ feet from _____ feet to _____ feet		
3" Surface Casing Material: Is it check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3" Surface Casing I.D. (inches):	3" Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material & Size: <b>20/30 Sand</b>		Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Filter Pack Length: <b>3.3</b> feet from <b>36</b> feet to <b>39.3</b> feet		
Filter Pack Seal Material and Size: <b>30/65 Sand</b>			Filter Pack Seal Length: <b>0.5</b> feet from <b>35.5</b> feet to <b>36</b> feet		
Surface Seal Material: <b>neat Portland Cement</b>			Surface Seal Length: <b>3.4</b> feet from <b>1.5</b> feet to <b>35.5</b> feet		
WELL DEVELOPMENT DATA					
Well Development Date: <b>5-27-09</b>		Well Development Method (check one): <input type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe):			
Development Pump Type (check one): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe):		Depth to Groundwater (before developing, in feet): <b>14</b>			
Pumping Rate (gallons per minute): <b>0.75</b>		Maximum Drawdown of Groundwater During Development (feet): <b>39</b>		Well Purged Dry (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermitent		Total Development Water Removed (gallons): <b>12</b>	Development Duration (minutes): <b>16</b>		Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <b>Silty, cloudy, no odor</b>			Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>		
Development Calculation: $WEL VOLUMES = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) \times WELL CAPACITY \times 7.48$ $= (39 \text{ feet} - 14 \text{ feet}) \times 0.16 \text{ gallons/foot} \times 7.48 = 4 \text{ gallons} \times 7.48 = 20 \text{ gallons}$					
WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.05, 1.5" = 0.09, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.93					
Recorded by: <i>[Signature]</i>		Date: <b>5-27-09</b>			
Reviewed by: <i>[Signature]</i>		Date: <b>6/15/09</b>			

WELL CONSTRUCTION DATA					
Well Number: <b>A5-5</b>	State: <b>MD</b>	Parish/County: <b>Chesapeake Bay</b>	FDEP Facility ID Number: <b>1000000000</b>	Well Inst. Date: <b>5-28-09</b>	
Project # <b>2008-0009</b>	Well Purpose: <input checked="" type="checkbox"/> Shallow (Water/Fuel) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Penetration or Other (describe)	Well Installation Method (Circle): <b>(13) DR, SSA, DPT, BA, Song</b> Surface casing install Method (Circle): <b>45A, MP, SSA, DPT, BA, Song</b>			
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Off-Site (Private Property) <input type="checkbox"/> Above-Drain (Wdr) <input type="checkbox"/> 140 feet or more below the surface	<input type="checkbox"/> Right-of-Way <input checked="" type="checkbox"/> Flush-to-Grade				
Borehole Depth (feet): <b>39.3</b>	Well Depth (feet): <b>39</b>	Minimum Diameter (inches):	Well Head Size:		
Borehole Diameter - inches (Check One): <input type="checkbox"/> 2.25" <input checked="" type="checkbox"/> 2.5" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> 8" <input type="checkbox"/> 10" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify)					
Riser Diameter and Material: <b>2" PVC</b>	Riser Screen Connections: <input checked="" type="checkbox"/> Flush - Threaded <input type="checkbox"/> Other (describe)	Riser Length: <b>37</b> feet from <b>0</b> feet to <b>37</b> feet			
Screen Diameter and Material: <b>2" PVC</b>	Screen Slot Size: <b>0.01"</b>	Screen Length: <b>2</b> feet from <b>37</b> feet to <b>39</b> feet			
1" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	1" Surface Casing I.D. (inches):	1" Surface Casing Length: _____ feet from _____ feet to _____ feet			
2" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	2" Surface Casing I.D. (inches):	2" Surface Casing Length: _____ feet from _____ feet to _____ feet			
3" Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	3" Surface Casing I.D. (inches):	3" Surface Casing Length: _____ feet from _____ feet to _____ feet			
Filter Pack Material & Size: <b>20/30 Sand</b>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Filter Pack Length: <b>3.3</b> feet from <b>36</b> feet to <b>39.3</b> feet			
Filter Pack Seal Material and Size: <b>30/65 Sand</b>		Filter Pack Seal Length: <b>0.5</b> feet from <b>35.5</b> feet to <b>36</b> feet			
Surface Seal Material: <b>neat Portland Cement</b>		Surface Seal Length: <b>1.5</b> feet from <b>1.5</b> feet to <b>3.5</b> feet			
WELL DEVELOPMENT DATA					
Well Development Date: <b>5-28-09</b>	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)				
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic	Depth to Groundwater (before developing) in feet: <b>14</b>			
Pumping Rate (gallons per minute): <b>0.75</b>	Maximum Drawdown or Groundwater During Development (feet): <b>NA</b>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <b>11</b>	Development Duration (minutes): <b>15</b>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development: <b>Silty, Cloudy, no odor</b>		Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>			
Development Calculation: 5 WEL VOLUMES = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY X 5 = <b>39</b> feet - <b>14</b> feet X <b>0.16</b> gallons/foot = <b>4</b> gallons X 5 = <b>20</b> gallons					
WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.08, 1.5" = 0.09, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.33					
Recorded by: 	Date: <b>5-28-09</b>				
Reviewed by: <b>g.t.</b>	Date: <b>6/15/09</b>				

WELL CONSTRUCTION DATA					
Well Number: <b>AS-9</b>	Site No.	Accession No.	FDEP Facility I.D. Number	Well Install Date(s): <b>5-28-09</b>	
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Off-Site (Private Property) <input type="checkbox"/> Above-Grate (AG) (N/A) (at least 1 ft. above and outside)		Well Purpose: <input type="checkbox"/> Onflow (Water Table Monitoring) <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Percolation (soils) <input checked="" type="checkbox"/> Remediation or Other (describe)		Well Install Method (Circle): <input checked="" type="radio"/> MR, S&A, OPT, BA, Trench <input type="radio"/> Surface Grouting (see Memo 13/06) <input type="radio"/> H&A, MR, S&A, OPT, BA, Sand	
Borehole Depth (feet): <b>39.3</b>	Well Depth (feet): <b>39</b>	Minimum Diameter (Inches):	Well Pad Size: _____ feet by _____ feet		
Borehole Diameter - inches (Check One): <input type="checkbox"/> 3.25" <input checked="" type="checkbox"/> 3.25" <input type="checkbox"/> 4" <input type="checkbox"/> 12" <input type="checkbox"/> Other (specify)					
Misc Diameter and Material: <b>2" PVC</b>	Riser Screen Connections: <input checked="" type="checkbox"/> Riser - Threaded <input type="checkbox"/> Other (describe)	Riser Length: <b>37</b> feet from <b>0</b> feet to <b>37</b> feet			
Screen Diameter and Material: <b>2" PVC</b>	Screen Slot Size: <b>0.01"</b>	Screen Length: <b>2</b> feet from <b>37</b> feet to <b>39</b> feet			
1" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	1" Surface Casing I.D. (inches):	1" Surface Casing Length: _____ feet from _____ feet to _____ feet			
2" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	2" Surface Casing I.D. (inches):	2" Surface Casing Length: _____ feet from _____ feet to _____ feet			
3" Surface Casing Material: also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	3" Surface Casing I.D. (inches):	3" Surface Casing Length: _____ feet from _____ feet to _____ feet			
Filter Pack Material & Size: <b>20/30 Sand</b>	Prepacked Area Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Filter Pack Length: <b>3.3</b> feet from <b>36</b> feet to <b>39.3</b> feet			
Filter Pack Seal Material and Size: <b>30/65 Sand</b>		Filter Pack Seal Length: <b>0.5</b> feet from <b>35.5</b> feet to <b>36</b> feet			
Surface Seal Material: <b>neat Portland Cement</b>		Surface Seal Length: <b>3.4</b> feet from <b>1.5</b> feet to <b>35.5</b> feet			
WELL DEVELOPMENT DATA					
Well Development Date: <b>5-28-09</b>	Well Development Method (check one): <input type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)				
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing) in feet: <b>14</b>				
Pumping Rate (gallons per minute): <b>0.75</b>	Maximum Drawdown of Groundwater During Development (feet): <b>NA</b>	Well Purged Or (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <b>11</b>	Development Duration (minutes): <b>15</b>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development: <b>silty, cloudy, no odor</b>		Water Appearance (color and odor) At End of Development: <b>clear, no odor</b>			
Development Calculation: $3 \text{ WEL VOLUMES} = \text{TOTAL WELL DEPTH} - \text{STATIC DEPTH TO WATER} \times \text{WELL CAPACITY} \times 8$ $= 39 \text{ feet} - 14 \text{ feet} \times 6.16 \text{ gallons/foot} = 4 \text{ gallons} \times 8 = 20 \text{ gallons}$					
WELL CAPACITY (Gallons Per Foot: 0.75" = 0.02 1" = 0.04 1.25" = 0.06 1.5" = 0.08 2" = 0.16 3" = 0.37 4" = 0.65 5" = 1.02 6" = 1.47 12" = 5.38)					
Recorded by: <i>[Signature]</i>	Date: <b>5-28-09</b>				
Reviewed by: <i>[Signature]</i>	Date: <b>6/15/09</b>				

**MONITORING REPORT**

Conducted at:

**Panhandle 66  
8400 North Century Blvd  
Century, Escambia County, Florida  
FDEP Facility ID # 178944981**

Conducted by:

**Ridge Environmental Solutions  
912 7<sup>th</sup> Avenue East  
Bradenton, Florida 34208**

**April 13, 2020**

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### **APPENDICES**

Appendix A	Groundwater Sampling and Calibration Logs
Appendix B	Laboratory Analytical Report



912 7<sup>th</sup> AVENUE EAST  
BRADENTON, FL 34208

April 13, 2020

Mr. James Campbell  
Panhandle 66  
8400 N. Century Blvd.  
Century, Florida

**Subject: Monitoring Report**  
Panhandle 66  
FDEP FAC ID #: 17/8944981

Dear Mr. Campbell:

Ridge Environmental Solutions, Inc. (Ridge) is providing this Monitoring Report for the property located at 8400 North Century Boulevard in Century, Florida. This Report provides an update of current conditions at the site, and contains the following sections: Site History, Groundwater Sampling Activities, Groundwater Analytical Results, Groundwater Flow Verification, Discussions, and Conclusions, and Recommendations.

## 1.0 Site History

The site is located at 30° 58' 53.6" N Latitude, and 87° 15' 26.1" W Longitude in Century, Florida. A topographic map showing the site location is provided as **Figure 1**. A site map is presented as **Figure 2**. The site is currently used as a fueling facility for commercial accounts using gasoline and diesel. According to FDEP databases, a total of five underground storage tanks (USTs) were installed in 1984: three 12,032-gallon unleaded gasoline tanks and two 10,246-gallon diesel tanks. On December 1, 2007, an Incident Report (No. SWP071201-8038) was filed due to a leak in one of the diesel USTs.

Ridge has performed a review of the FDEP database for this site. Presented below is a chronology of events that have occurred at the site, starting with the December 2007 release.

December 1, 2007: Incident No. SWP071201-8038 was filed documenting a petroleum release.

December 4, 2007: A Discharge Report Form (DRF #1) was filed for the referenced December 1 2007 release.

December 20, 2007: FDEP filed a Storage Tank Facility Closure Report for the removal of the two diesel USTs, which had been placed out of service after the loss of product was discovered. This report states that the south tank had a hole in the bottom of the tank beneath the fill port. Free

product removal events were implemented during the tank removal by Advanced Environmental Technologies, LLC (AET). Ridge did not find documentation of the amount of product recovered during the removal of the USTs.

January 2, 2008: Gasoline dispenser and tank upgrade activities were initiated.

January 3, 2008: AET filed a DRF (DRF #2) as a result of a frac tank overflow to the ground surface near the eastern boundary of the site that occurred during free product recovery.

January 4, 2008: FDEP filed a Storage Tank Facility Discharge Site Inspection Report in response to the January 3, 2008 DRF.

January 17, 2008: A DRF (DRF #3) was filed for the discharge associated with the dispenser island and gasoline UST pit.

January 29, 2008: A Tank Closure Report was submitted by AET that documented the closure activities for the removed two 10,246-gallon diesel USTs. According to this report, 20,000 gallons of product were lost. The report states that a total of 798 tons of petroleum-impacted soil was excavated and disposed as part of the UST closure activities. The report further states that visual staining and petroleum odor were observed beneath the diesel dispenser sumps. The soil beneath the product dispensers was excavated to a depth that would accommodate the new containment sumps. The Tank Closure Report also states that free product recovery efforts had been initiated.

February 5, 2008: FDEP issued an Alternative Procedure and Requirements Letter approving AET's request to conduct free product recovery and on-site treatment and discharge.

February 15, 2008: A Gasoline Petroleum Storage Tank Closure Report was submitted by AET. This report states that 556 tons of petroleum-contaminated soil was removed and disposed during removal/upgrade of the three gasoline USTs. This report also states that the new gasoline USTs were installed in the existing gasoline UST pit located on the southeastern portion of the property.

May 30, 2008: FDEP filed a Petroleum Cleanup Site Inspection Form for the removal of free product recovery equipment.

July 30, 2008: TERRA-COM initiated site assessment activities, and based on their findings during the assessment recommended additional free product recovery activities.

September 8, 2008: According to the Remedial Action Plan (RAP) submitted by TERRA COM, free product recovery was restarted at the site and 4,500 gallons of product had been recovered beginning on September 8, 2008 and continuing for 20 weeks.

October 14, 2008: TERRA COM submitted the Initial Site Assessment Report for the site. The findings for this report are summarized in Sections 3.1 and 3.2 below.

February 10, 2009: The RAP for the December 2007 release of diesel was submitted by TERRA COM. In the RAP, an estimate that 3,000 gallons of diesel remained in the ground was presented.

March 26, 2009: The referenced RAP that was submitted by TERRA COM on February 10, 2009 was approved by FDEP.



May 2009 through January 2010: System construction was performed along with intermittent free product removal.

January 20, 2010: System Startup of the approved AS/MPE occurred.

March 22, 2010: Startup report detailing the first quarter of operation was submitted.

August 30, 2010: Year 1 Quarter 2 O&M Status Report submitted, which detailed Months 4 and 5 operation. Operation was halted in August 2010 due to lack of funds.

January 24, 2011: FDEP Documentation of No Cleanup Required Request recommended for approval at FDEP Tallahassee for DRF #2.

September 2011 through January 2013: Free product removal events conducted by Enviro-Pro-Tech, Inc. (EPT).

October 17, 2012: Supplemental Site Assessment for DRF #1 submitted – extent of release is defined.

January 25, 2013: EPT submitted a Free Product Recovery Letter documenting gauging and free product recovery events conducted on August 25, 2011, September 14, 2011, October 20, 2011, March 1, 2012, April 12, 2012, May 21, 2012, September 6, 2012, December 28, 2012, and January 23, 2013. The report recommended continued free product recovery with quarterly reporting.

May 2, 2013: Ridge submitted a Remedial Action Plan (RAP) that recommended a closed loop system of surfactant injection and extraction, free product removal ongoing.

November 5, 2013: FDEP issued a UIC Approval Order approving the May 2013 RAP. Free product removal is ongoing.

In 2014, based on the decreasing trend of free product thickness, the Owner selected to continue monitoring the groundwater quality while performing free product removal in lieu of implementing the RAP. Since that time, the Owner has been performing free product removal services.

## **2.0 Groundwater Sampling Activities**

Groundwater sampling activities have been previously performed by Ridge on December 7, 2015, June 28, 2016, and July 27, 2018. The groundwater sampling for this current reporting period was performed on February 9, 2020. The data for each of these events as well as historical sampling events (performed by others) are summarized on **Table 1**. A description of the February 9, 2020 sampling event is provided below.

Groundwater purging and sampling conducted by Ridge was performed in accordance with DEP-SOP-001/01 (FS 2200 Groundwater Sampling). On February 9, 2020, groundwater samples were collected from monitoring wells M-2, M-3, M-4, MW-5, MW-9, MW-10, and MW-14. The locations of the monitoring wells are shown in **Figure 2**.

Prior to purging, the monitoring well caps were removed, allowing for stabilization to ambient atmospheric conditions. Depth to groundwater was subsequently measured and well volumes were calculated.

Groundwater purging was accomplished utilizing a portable low flow battery operated submersible pump. High density polyethylene (HDPE) tubing was set to a depth no more than 2 feet into the water table for the purging. The purge rate was calculated and upon achieving one (1) well volume, temperature, pH, conductivity, dissolved oxygen, turbidity, and depth to groundwater readings were obtained and recorded. Additional readings were collected and recorded at approximately 2-4 minute intervals.

Upon achieving stable groundwater readings, groundwater samples were collected from the wells. The samples were collected into laboratory-provided containers, which were then capped, labeled, packed on ice, and transported under chain-of-custody protocol to Pace Analytical Services in Oldsmar, Florida for analysis of BTEX+MTBE by EPA Method 8260. Groundwater Sampling Logs and Calibration Logs for this event are included in **Appendix A**.

### **3.0 Groundwater Laboratory Analytical Results**

Laboratory analytical results indicated the following:

At MW-5, Benzene (2.0 ug/L), Ethylbenzene (61.6 ug/L), and Xylenes (157 ug/L) were detected above Groundwater Cleanup Target Levels (GCTLs).

At MW-9, Benzene (33.3 ug/L), Ethylbenzene (46.0 ug/L), and Xylenes (72.1 ug/L) were detected above GCTLs.

At MW-10, Benzene (7.5 ug/L), Ethylbenzene (176 ug/L), and Xylenes (81.9 ug/L) were detected above GCTLs.

At MW-14, Benzene (17.2 ug/L), Ethylbenzene (60.4 ug/L), and Xylenes (148 ug/L) were detected above GCTLs.

At M-2, M-3, and M-4 no analytes were detected at concentrations greater than the respective above GCTLs. NADC levels were not exceeded in any of the analyzed samples.

Groundwater analytical results for this event as well as historic events are presented on **Table 1** and **Figure 3**. A groundwater concentration map for the sampling event is represented in **Figure 3**. The complete laboratory analytical report from Pace Analytical Services for the February 9, 2020 sampling event is included as **Appendix B**. Concentrations appear to be decreasing in MW-5 and MW-9 and the trends in MW-10 and MW-14 being more variable – increases Ethylbenzene and Xylenes and decreases in Benzene in MW-10 and an increase in Benzene and a decrease in Xylenes in MW-14.

In addition, Ridge has updated **Table 1** to include DMW-20, DMW-21, and DMW-31 2016 and 2017 sampling results from The Korner Kwik Stop facility (FAC ID No. 17/8507841) October 31, 2018 NAM report. This facility is located to the south of the subject site. This NAM Report indicates a component of flow from south to north towards the subject property. In addition, the results to the 2016 and 2017 sampling events for the Korner Kwik Stop facility do not indicate impact above GCTLs in any of the three wells with the exception of an exceedence of benzene of 1.6 ug/L in DMW-21 in January 2016 followed by a result of <0.38 in the February 2017 sampling event. These analytical results in conjunction with the reported groundwater flow direction in the referenced NAM and at the subject site (toward the north/northeast) indicate that sampling from DMW-20, DMW-21, and DMW-31 is not warranted and that the selection of M-2, M-3, and MW-4 as south delineation locations is appropriate and thus define the extent of contamination in the south direction.

#### **4.0 Groundwater Flow Verification**

Prior Top of Casing (TOC) elevation data was utilized for groundwater flow verification. Fluid levels (depth to groundwater surface and depth to free product surface) in fourteen (14) shallow monitor wells (M-2, M-3, M-4, MW-1, MW-3, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, and MW-14) were determined using an interface probe which allows measurement of the depth to

the water table to within 0.01'. By applying the gauging data to the survey data, groundwater elevations for the monitor wells were obtained. A specific gravity for diesel of 0.82 was used in the groundwater elevation calculations for wells that contained free product.

Groundwater flow is generally toward the north and northeast with a very slight gradient. Based on the relative flat gradient of the water table (only 0.18 feet of difference between highest groundwater elevation and lowest groundwater elevation) groundwater has been historically reported in variable directions. Groundwater elevations are summarized in **Table 2** and a groundwater elevation contour map for the February 9, 2020 data is provided as **Figure 4**. Free product thickness was measured as follows: MW-1 (0.34 ft), MW-3 (0.02 ft), MW-6 (0.42 ft), MW-7 (0.01 ft), MW-11 (0.66 ft), MW-12 (0.01 ft), and MW-13 (0.01 ft). These thickness readings are presented on **Table 2**.

#### **5.0 Discussion / Conclusions / Recommendations**

The concentrations of the constituents of concern are generally decreasing. Free product is still present on site, and upon removal of free product at the site a No Further Action with conditions will be requested.

If you have any questions, please do not hesitate to contact me by phone at (770) 337-9531 or by email at pzomer@ridgeenvironmental.com.

Sincerely,

**RIDGE ENVIRONMENTAL SOLUTIONS, INC.**



Patrick W. Zomer  
Project Manager

cc: Mr. James Petty (Florida Department of Health, Escambia Co.)

**TABLES**

**Table 1      Groundwater Analytical Summary**

**Table 2      Groundwater Elevation Summary**

**TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY**

Facility Name Panhandle 66

Facility ID# 17/8944951

Not Sampled = NS  
Analytical Results = ug/L

Sample		Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzofluoranthene	TRPHs	
Location	Date																			
GCTL:		1	40	30	20	91	20	14	28	28	210	20	280	210	2100	280	210	0.5	5000	
NADC:		100	400	300	200	1000	200	140	280	280	2100	200	2800	2100	21000	2800	2100	50	50000	
**DMW-20	5/16/2002	134	42	59.3	128	363.3	<5	<5	NA	<5	NS	NS	NS	NS	NS	NS	NS	NS	<222	
	7/18/2016	0.50 U	0.51 U	0.44 U	0.50 U	BDL	0.44 U	1.2	0.22 U	0.22 U	-	-	-	-	-	-	-	-	-	
	2/7/2017	0.38 U	0.70 U	0.50 U	1.6 U	BDL	0.74 U	0.085 U	0.067 U	0.055 U	-	-	-	-	-	-	-	-	-	
**DMW-21	5/16/2002	7	1.8	33.9	88.1	130.8	<5	<5	NA	<5	NS	NS	NS	NS	NS	NS	NS	NS	526	
	7/18/2016	1.8	0.51 U	2	0.50 U	3.6	0.44 U	1.2	0.76	0.90 U	-	-	-	-	-	-	-	-	-	
	2/7/2017	0.38 U	0.70 U	0.50 U	1.6 U	BDL	0.74 U	0.085 U	0.067 U	0.055 U	-	-	-	-	-	-	-	-	-	
**DMW-31	3/13/2003	<1	<5	<1	<3	<10	<1	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	180	
	7/18/2016	0.50 U	0.51 U	0.44 U	0.50 U	BDL	0.44 U	0.22 U	0.22 U	0.22 U	-	-	-	-	-	-	-	-	-	
	2/7/2017	0.38 U	0.70 U	0.50 U	1.6 U	BDL	0.74 U	0.085 U	0.067 U	0.055 U	-	-	-	-	-	-	-	-	-	
MW-5	7/30/2008	85	8.2	6.9	190	290	0.3 U	29	29	14	0.40 U	0.44 U	0.24 U	0.26 U	0.34 U	0.20 U	0.20 U	0.25	900	
	5/23/2013	197	47.8	197	690	1131.8	0.50 U	51.0	221	38.1	0.025 U	0.025 U	1.6	0.49	0.037 I	0.025 U	0.025 U	0.025 U	NS	
	12/7/2015	91.5	0.50 U	148	243	480.5	0.50 U	36.3	29.4	29.9	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	6/28/2016	27.8	0.50 U	76.4	127	384	0.50 U	16.5	12.3	14.2	0.11 I	0.025 U	BDL	BDL	0.065 I	BDL	BDL	BDL	NS	
	7/27/2018	29.7	0.50 U	151	672	853	0.50 U	45.7	28.1	34.4	0.030 U	0.17 I	BDL	BDL	0.043 U	BDL	BDL	BDL	NS	
	2/9/2020	2.0	0.33 U	61.6	157	221	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/7/2015	20.8	0.50 U	76.1	382	399	0.72 I	34.5	29.8	30.4	0.025 U	0.025 U	BDL	BDL	0.098 I	BDL	BDL	BDL	NS	
MW-9	6/28/2016	56.4	0.83 I	63.3	283	384	0.50 U	22.4	17.9	17.1	0.26 I	0.025 U	BDL	BDL	0.065 I	BDL	BOL	BDL	NS	
	2/9/2020	33.3	0.33 U	46.0	72.1	151	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/27/2018	21.4	0.50 U	60.3	23.6	105	0.50 U	18.9	15.7	16.1	0.030 U	0.12 I	BDL	BDL	0.043 U	BDL	BDL	BDL	NS	
MW-10	2/9/2020	7.5	0.81 I	176	81.9	265	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/27/2018	4.0	0.99 I	182	306	493	1.6	50.3	23.4	33.8	0.030 U	1.1	BDL	BDL	0.23 I	BDL	BDL	BDL	NS	
MW-14	7/27/2018	0.73 I	3.4	59.3	316	379	0.50 U	21.4	17.5	20.0	0.030 U	0.19 I	BDL	BDL	0.043 U	BDL	BDL	BDL	NS	
	2/9/2020	17.2	0.33 U	60.4	148	226	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-1	9/24/2012	0.36 U	0.36 I	9.1	28	37.46	0.35 U	2.8 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-2	9/24/2012	0.7 I	1.2	2.7	13	17.6	0.35 U	1.3 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/7/2015	14.2	0.50 U	57.9	77.0	149.1	4.3	7.7	4.0	5.5	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	6/28/2016	2.4	0.50 U	34.7	95.5	133	0.50 I	3.5	2.0 I	2.9	0.028 I	0.025 U	BDL	BDL	0.025 U	BDL	BDL	BDL	NS	
	7/27/2018	0.41 I	0.50 U	7.6	6.8	14.8	0.50 U	0.13 I	0.032 U	0.11 U	0.030 U	0.040 U	BDL	BDL	0.043 U	BDL	BDL	BDL	NS	
	2/9/2020	0.30 U	0.33 U	6.5	6.1	12.6	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-3	9/24/2012	0.36 U	0.36 U	0.35 U	0.95 U	BDL	0.35 U	0.57 I	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/7/2015	0.31 I	3.5	14.2	192	210	0.50 U	26.8	10.7	15.1	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	6/28/2016	0.38 I	0.50 U	14.8	10.6	25.8	0.50 U	14.6	3.6	6.6	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	2/9/2020	0.30 U	0.33 U	2.5	2.1 U	2.5	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-4	9/24/2012	0.36 U	0.36 U	0.35 U	0.95 U	BDL	0.36 U	0.41 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/7/2015	0.10 U	0.50 U	0.50 U	0.50 U	BDL	0.50 U	1.0 U	1.0 U	1.0 U	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	6/28/2016	0.10 U	0.50 U	0.50 U	1.0 U	BDL	0.50 U	1.0 U	1.0 U	1.0 U	0.025 U	0.025 U	BDL	BDL	BDL	BDL	BDL	BDL	NS	
	7/27/2018	0.10 U	0.50 U	0.50 U	1.5 U	BDL	0.50 U	0.048 U	0.035 I	0.11 U	0.030 U	0.040 U	BDL	BDL	0.043 U	BDL	BDL	BDL	NS	
	2/9/2020	0.30 U	0.33 U	0.30 U	2.1 U	BDL	0.51 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-5	9/24/2012	0.36 U	1.5	0.35 U	1.3 I	2.8	0.35 U	0.41 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
M-6	7/17/2013	0.10 U	0.50 U	0.50 U	0.50 U	BDL	0.50 U	1.0 U	1.0 U	1.0 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	NS	

Bold Values indicate an exceedance of GCTL  
Values in red indicate an exceedance of the NADC

BDL = Below Detection Limits  
- = Not listed in report  
NS = Not Sampled  
GCTL = Groundwater Cleanup Target Level, per Chapter 62-777, F.A.C.  
NADC = Natural Attenuation Default Concentration, per Chapter 62-777, F.A.C.

Notes: The qualifier "L" denotes the value reported is off-scale high. The actual value may be higher than the value given. The reported value is above the calibration range.  
The qualifier "I" denotes the reported value is between the MDL (method detection limit) and the PQL (practical quantitation limit).  
The qualifier "U" denotes that the analyte was not present, and the value preceding the "U" is the MDL.

\*\*Wells are located at Kerner Truck Stop, 8300 N. Century Blvd, Century Florida. Facility Site ID No 178507841

**TABLE 2: Groundwater Elevation Data**

Facility Name: Panhandle 66  
 Facility ID No: 17/8944981

NA-Data Not Available  
 NI-Not Installed

WELL NO	MW-1			MW-2			MW-3		
DIAMETER		2			2			2	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION		85.78			85.71			85.84	
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	68.95	16.83	14.76	69.11	16.60	14.73	68.89	16.95	14.84
1/23/2009	68.55	17.23	16.25	69.13	16.58	16.30	69.17	16.67	16.46
6/11/2010	72.98	12.80	12.80	73.20	12.51	12.51	73.17	12.67	12.67
8/25/2011	68.67	17.86	16.85	68.65	17.90	16.75	68.29	18.40	16.83
9/14/2011	68.47	18.20	17.00	68.43	18.35	16.89	NG	NA	NA
10/20/2011	67.98	19.00	17.37	67.98	18.91	17.30	NG	NA	NA
3/1/2012	67.84	18.80	17.64	67.83	18.83	17.53	65.41	19.25	17.63
4/12/2012	68.02	18.62	17.45	68.02	18.57	17.36	66.06	18.82	17.53
6/21/2012 B	68.06	18.60	17.41	68.04	18.61	17.32	66.15	18.76	17.48
6/21/2012 A	68.11	18.10	17.52	68.15	17.71	17.50	67.80	17.88	17.66
9/5/2012 B	68.22	18.33	17.29	68.21	18.30	17.20	66.51	18.50	17.36
9/5/2012 A	68.25	17.91	17.41	68.26	17.73	17.35	NA	NA	NA
12/28/12 B	67.92	18.80	17.52	67.90	18.77	17.45	65.50	19.16	17.55
12/28/12 A	68.04	17.75	NP	68.30	17.44	17.40	67.97	17.86	17.85
1/23/2013	68.74	17.95	17.05	68.71	17.80	17.00	68.69	17.80	17.15
4/25/2013	70.73	15.05	15.05	70.74	15.04	14.95	70.72	15.12	15.12
7/27/2018	70.39	15.78	15.30	NM	NM	NM	70.38	15.67	15.41
2/9/2020	69.08	16.98	16.64	NM	NM	NM	69.05	16.81	16.79

WELL NO	MW-4			MW-5			MW-6		
DIAMETER		2			2			2	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION		85.61			85.96			85.90	
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	68.95	16.83	14.76	69.11	16.60	14.73	68.89	16.95	14.84
1/23/2009	68.55	17.23	16.25	69.13	16.58	16.30	69.17	16.67	16.46
6/11/2010	73.21	12.40	12.40	73.13	12.83	12.83	73.10	12.80	12.71
8/25/2011	68.71	17.42	16.71	68.67	17.29	NA	68.56	18.49	16.91
9/14/2011	68.46	18.13	16.79	NG	NA	NA	68.33	18.89	17.08
10/20/2011	NG	NA	NA	NA	NA	NA	NA	NA	NA
3/1/2012	67.86	18.68	17.41	NG	NA	NA	67.76	19.24	17.74
4/12/2012	68.03	18.44	17.26	68.04	17.92	NA	67.92	19.10	17.57
6/21/2012 B	68.29	17.60	17.22	68.13	17.83	NP	67.96	19.01	17.54
6/21/2012 A	68.11	17.70	17.42	NP	NP	NP	68.03	18.23	17.74
9/5/2012 B	68.22	18.18	17.10	68.27	17.69	NP	68.14	18.71	17.41
9/5/2012 A	68.29	17.50	17.25	CAR PARKED ON TOP			NA	NA	NA
10/9/2012	NA	NA	NA	68.53	17.43	NP	NA	NA	NA
12/28/12 B	67.94	18.58	17.34	67.95	18.01	NP	68.03	19.21	17.37
12/28/12 A	68.03	17.61	17.57	NP	NP	NP	67.57	18.33	NP
1/23/2013	68.73	17.60	16.88	68.52	17.44	NP	68.65	18.14	17.25
4/25/2013	70.76	14.86	14.85	70.68	15.28	15.28	70.69	17.06	14.81
7/27/2018	NM	NM	NM	70.35	15.61	NP	70.35	15.64	15.53
2/9/2020	NM	NM	NM	69.01	16.95	NP	69.01	17.23	16.81

**TABLE 2: Groundwater Elevation Data**

Facility Name: Panhandle 66  
 Facility ID No: 17/8944981

NA-Data Not Available  
 NI-Not Installed

WELL NO	MW-7			MW-9			MW-10		
DIAMETER		2			2			2	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION		85.83			85.59			85.28	
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	68.75	17.08	14.88	70.25	15.34	15.02	70.51	14.77	14.75
1/23/2009	68.92	16.91	16.46	69.25	16.34	16.32	69.26	16.02	0.00
6/11/2010	73.07	12.76	12.32	73.37	12.22	12.22	73.46	11.82	11.82
8/25/2011	68.55	18.32	16.89	68.66	16.95	16.92	85.28	NA	NA
9/14/2011	68.33	18.80	17.02	68.43	17.50	17.04	NA	NA	NA
3/1/2012	67.76	19.08	17.70	67.70	18.99	17.49	NA	NA	NA
4/12/2012	67.92	18.98	17.52	67.90	18.80	17.28	NA	NA	NA
6/21/2012 B	67.97	18.90	17.48	67.93	18.66	17.29	68.12	17.16	NP
6/21/2012 A	68.03	18.09	17.69	DNP	DNP	DNP	NP	NP	NP
9/5/2012 B	68.11	18.55	17.41	68.12	18.35	17.14	68.28	17.00	NP
9/5/2012 A	68.17	17.82	17.60	NA	NA	NA	NA	NA	NA
10/9/2012	NA	NA	NA	NA	NA	NA	68.35	16.93	NP
12/28/12 B	67.84	19.14	17.57	67.82	18.83	17.38	67.96	17.32	NP
12/28/12 A	67.95	17.89	17.88	67.97	17.63	17.52	NP	NP	NP
1/23/2013	68.61	17.88	17.22	68.57	17.32	17.02	68.54	16.74	NP
4/25/2013	70.68	15.22	15.14	70.65	14.94	14.94	70.66	14.62	14.62
7/27/2018	70.36	15.90	15.38	NM	NM	NM	70.32	14.96	NP
2/9/2020	69.01	16.83	16.82	68.98	16.61	NP	69.02	16.26	NP

WELL NO	MW-11			MW-12			MW-13		
DIAMETER		2			2			2	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION		85.42			85.39			85.80	
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	69.03	16.39	14.39	69.1	16.29	14.38	68.89	16.91	14.75
1/23/2009	68.94	16.48	15.94	68.7	16.69	15.87	68.58	17.22	16.27
6/11/2010	73.94	12.08	12.08	73.22	12.17	12.17	73.30	12.50	12.45
8/25/2011	68.71	17.26	16.50	68.68	17.51	16.41	68.67	17.87	16.85
9/14/2011	68.46	17.95	16.59	68.49	17.85	16.55	68.46	18.30	16.99
10/20/2011	67.87	18.53	17.19	68.01	18.53	16.95	68.03	18.92	17.35
3/1/2012	67.87	18.35	17.26	67.91	17.92	17.32	68.24	17.53	17.57
4/12/2012	68.04	18.23	17.06	68.07	18.02	17.06	68.04	18.46	17.50
6/21/2012 B	68.07	18.14	17.06	68.11	17.89	17.06	68.11	18.38	17.44
6/21/2012 A	68.17	17.41	17.19	68.13	17.55	17.15	68.15	17.80	17.60
9/5/2012 B	68.12	17.90	16.95	68.25	17.70	16.93	68.18	18.20	17.40
9/5/2012 A	68.27	17.30	17.10	NA	NA	NA	68.18	17.80	17.55
10/9/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/28/12 B	67.93	18.35	17.17	67.94	18.36	17.11	67.95	18.95	17.45
12/28/12 A	68.04	17.39	17.38	68.08	17.34	17.30	67.94	17.88	17.85
1/23/2013	67.97	16.74	17.45	68.69	17.21	16.70	68.20	17.10	17.60
4/25/2013	70.76	14.66	14.66	70.78	14.61	14.61	70.77	15.21	14.99
7/27/2018	70.42	15.00	NP	NM	NM	NM	70.42	15.74	15.30
2/9/2020	68.99	16.97	16.31	69.14	16.26	16.25	69.16	16.65	16.64



**TABLE 2: Groundwater Elevation Data**

Facility Name: Panhandle 66  
 Facility ID No: 17/8944981

NA-Data Not Available  
 NI-Not Installed

WELL NO	MW-14			DMW-20			DMW-21		
DIAMETER	2			2			2		
WELL DEPTH	25			20			20		
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION	85.72			84.50			84.33		
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	68.82	16.9	14.75	70.6	13.90	13.88	70.61	13.72	13.7
1/23/2009	68.92	16.8	16.34	68.79	15.71	0.00	69.32	15.01	0.00
6/11/2010	73.18	12.54	12.54	73.12	11.38	11.38	73.13	11.20	11.20
8/25/2011	68.61	17.99	16.79	68.77	15.72	15.70	68.73	15.60	NA
9/14/2011	68.37	18.40	16.96	68.60	15.90	NA	68.58	15.75	NA
10/20/2011	67.89	19.29	17.29	NA	NA	NA	NA	NA	NA
3/1/2012	68.16	17.53	17.57	67.94	16.56	16.46	Dry	NA	NA
4/12/2012	67.98	18.61	17.42	68.18	16.32	NA	NA	16.16	NA
6/21/2012 B	68.02	18.55	17.39	68.21	16.29	NP	68.22	16.11	NP
6/21/2012 A	68.07	17.95	17.54	NP	NP	NP	NP	NP	NP
9/5/2012 B	68.20	18.20	17.27	68.39	16.11	NP	68.37	15.96	NP
9/5/2012 A	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/9/2012	NA	NA	NA	NA	NA	NA	68.62	15.71	NP
12/28/12 B	67.87	18.95	17.45	68.07	16.43	NP	68.03	16.30	NP
12/28/12 A	67.99	17.73	NP	NP	NP	NP	NP	NP	NP
1/23/2013	68.60	17.52	17.12	68.63	15.87	NP	68.63	15.70	NP
4/25/2013	70.69	15.03	15.03	70.74	13.76	13.76	70.73	13.60	13.60
7/27/2018	70.35	15.37	NM	NM	NM	NM	NM	NM	NM
2/9/2020	69.05	16.67	NM	NM	NM	NM	NM	NM	NM

WELL NO	DMW-31		
DIAMETER	2		
WELL DEPTH	20		
SCREEN INTERVAL	unknown		
TOC ELEVATION	83.72		
DATE	ELEV	DTW	DTP
4/25/2013	70.73	13.77	13.77

WELL NO	RW-1			RW-2			RW-3		
DIAMETER	6			6			6		
WELL DEPTH	25			25			25		
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION	unknown			unknown			unknown		
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	NM	NM	NM	NM	NM	NM	69.8	13.92	13.90
1/23/2009	NM	17.39	16.41	NM	16.65	16.51	NM	15.86	15.77
6/11/2010	NM	12.82	12.82	NM	12.63	12.63	NM	12.66	12.66
4/25/2013	NM	15.21	15.21	NM	15.05	15.05	NM	15.05	15.05

**TABLE 2: Groundwater Elevation Data**

Facility Name: Panhandle 66  
 Facility ID No: 17/8944981

NA-Data Not Available  
 NI-Not Installed

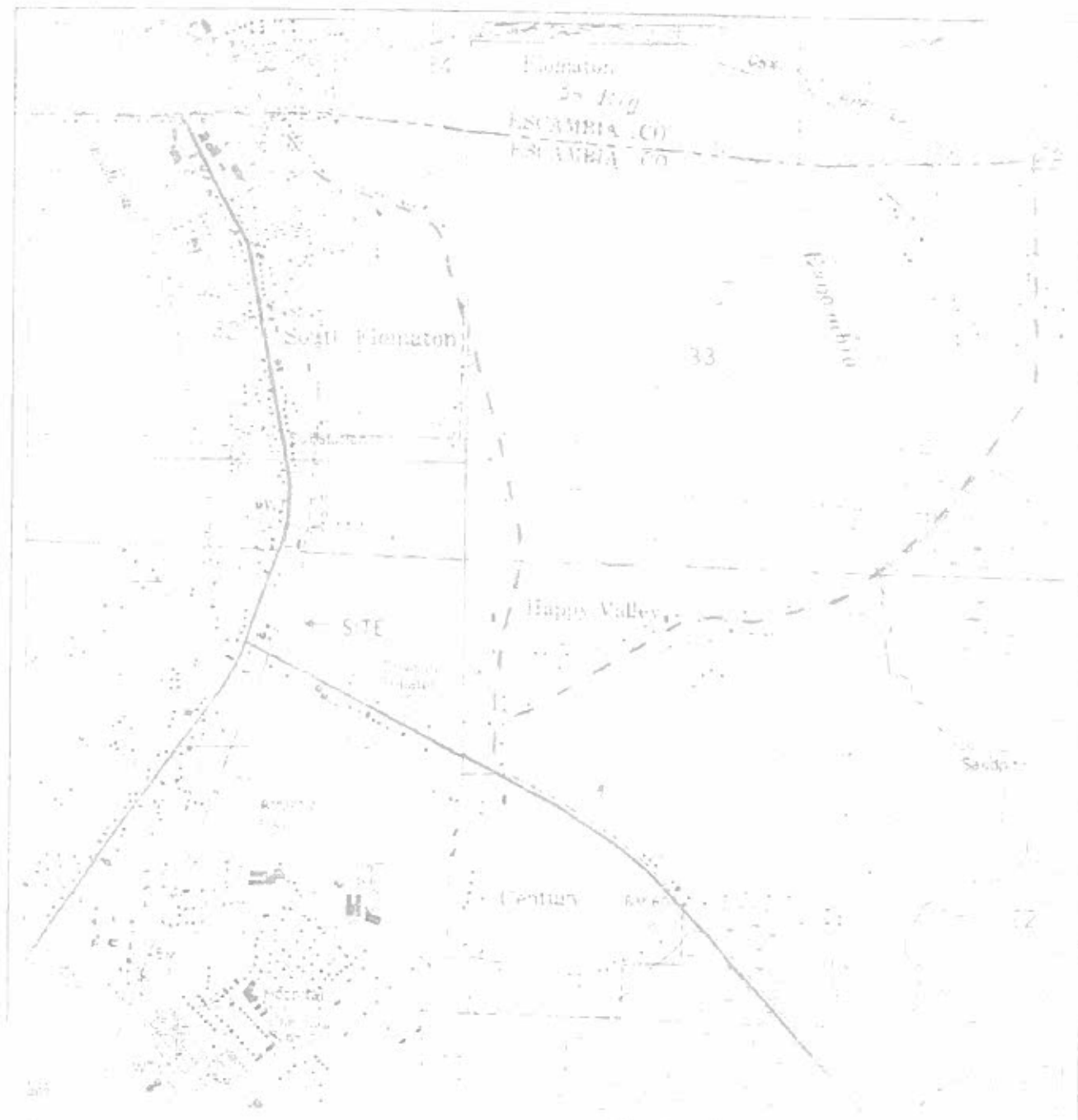
WELL NO	RW-4			RW-5			RW-6		
DIAMETER		6			6			6	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	unknown			unknown			unknown		
TOC ELEVATION	unknown			unknown			unknown		
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
7/30/2008	NM	NM	NM	NM	NM	NM	69.80	13.92	13.90
1/23/2009	NM	16.31	16.04	NM	16.23	15.79	NM	16.63	16.01
6/11/2010	NM	12.55	12.55	NM	12.57	12.57	NM	12.79	12.79
4/25/2013	NM	14.93	14.93	NM	14.90	14.90	NM	15.06	15.06

WELL NO	M-1			M-2			M-3		
DIAMETER		2			2			2	
WELL DEPTH		25			25			25	
SCREEN INTERVAL	10-25'			10-25'			10-25'		
TOC ELEVATION	84.79			85.93			85.35		
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
9/24/2012	68.48	16.31	NP	68.54	17.39	NP	--	16.81	NP
10/9/2012	68.58	16.21	NP	68.63	17.30	NP	68.6	16.75	NP
4/25/2013	70.72	14.07	NP	70.75	15.18	NP	70.72	14.63	NP
7/27/2018	NM	NM	NM	70.40	15.53	NP	NM	NM	NM
2/9/2020	NM	NM	NM	69.12	16.81	NP	69.13	16.22	NP

WELL NO	M-4			M-5			M-6		
DIAMETER		2			2			2	
WELL DEPTH		26			26			26	
SCREEN INTERVAL	10-25'			10-25'			10-25'		
TOC ELEVATION	85.48			85.91			Not Measured		
DATE	ELEV	DTW	DTP	ELEV	DTW	DTP	ELEV	DTW	DTP
9/24/2012	68.55	16.93	NP	68.6	17.31	NP	--	--	--
10/9/2012	68.62	16.86	NP	68.67	17.24	NP	--	--	--
4/25/2013	70.72	14.76	NP	70.86	15.05	NP	--	--	--
7/17/2013	NM	NM	NM	NM	NM	NM		15.35	NP
7/27/2018	70.36	15.12	NP	NM	NM	NM	NM	NM	NM
2/9/2020	69.13	16.35	NP	NM	NM	NM	NM	NM	NM

## **FIGURES**

- Figure 1**      **Topographic Map**
- Figure 2**      **Site Map**
- Figure 3**      **Groundwater Concentration Map**
- Figure 4**      **Groundwater Elevation Map (February 9, 2020)**



Source: <http://www.mytopo.com>

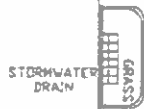


Ridge Environmental Solutions, Inc  
 912 7<sup>th</sup> AVENUE EAST  
 BRADENTON, FLORIDA 34208

Topographic Map

Panhandle 66  
 8400 North Century Boulevard  
 Century, FL 32535

04/30/2013	Drafted 6/1/13	P.C. 27	Figure 1	1 of 1500
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M-5

STORMWATER DRAIN

MW-5

MV-3

MV-6

MW-11

MV-2

RV-2

MV-4

MV-1

RV-1

RV-4

RV-6

RV-3

RV-5

FORMER DIESEL TANK FARM

MW-7

MW-9

MV-12

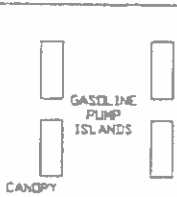
MV-13

MV-14

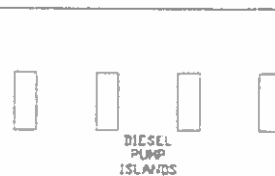
MW-10



PANHANDLE 66 ONE-STORY BUILDING



GASOLINE PUMP ISLANDS



DIESEL PUMP ISLANDS

CANOPY

CANOPY

M-2

GASOLINE PUMP ISLANDS

TANK PIT

M-1

ABANDONED PUMP ISLANDS

M-4

M-3

DMV-21

DMV-32

DMV-20

DMV-30



STORMWATER DRAIN

LEGEND:

- MONITORING WELL
- ◆ DEEP MONITORING WELL
- ⊕ DESTROYED DEEP MONITORING WELL
- RECOVERY WELL

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PANHANDLE 66  
8400 NORTH CENTURY BLVD.  
CENTURY, FLORIDA  
FDEP FAC. ID# 17/8944981

**SITE MAP**

SCALE:

1" = 40'

DRAFTED BY:

PC

DATE:

04/29/13

PE:

PZ

FIGURE

2



MW-14		
	7/27/18	2/9/20
B	0.73 I	17.2
T	3.4	0.33 U
E	59.3	60.4
X	316	148
N	21.4	NS
1MN	17.5	NS
2MN	20.0	NS

MW-5				
	12/7/15	6/28/16	7/27/18	2/9/20
B	91.5	27.8	29.7	2.0
T	0.50 U	0.50 U	0.50 U	0.33 U
E	146	76.4	151	61.6
X	243	327	672	157
N	36.3	16.5	45.7	NS
1MN	29.4	12.3	28.1	NS
2MN	29.9	14.2	34.4	NS

MW-9			
	12/7/15	6/28/16	2/9/20
B	20.6	56.4	33.3
T	0.50 U	0.83 I	0.33 U
E	76.1	63.3	46.0
X	382	263	72.1
N	34.5	22.4	NS
1MN	29.8	17.9	NS
2MN	30.4	17.1	NS

MW-10		
	7/27/18	2/9/20
B	21.4	7.5
T	0.50 U	0.81 I
E	60.3	176
X	23.6	81.9
N	18.9	NS
1MN	15.7	NS
2MN	16.1	NS

M-2				
	12/7/15	6/28/16	7/27/18	2/9/20
B	14.2	2.4	0.41 I	0.30 U
T	0.50 U	0.50 U	0.50 U	0.33 U
E	57.9	34.7	7.6	6.5
X	77.0	95.5	6.8	6.1
N	7.7	3.5	0.13 I	NS
1MN	4.0	2.01	0.032 U	NS
2MN	5.5	2.9	0.11 U	NS

M-4				
	12/7/15	6/28/16	7/27/18	2/9/20
B	0.10 U	0.10 U	0.10 U	0.30 U
T	0.50 U	0.50 U	0.50 U	0.33 U
E	0.50 U	0.50 U	0.50 U	0.30 U
X	0.50 U	1.0 U	1.5 U	2.1 U
N	1.0 U	1.0 U	0.048 U	NS
1MN	1.0 U	1.0 U	0.035 I	NS
2MN	1.0 U	1.0 U	0.11 U	NS

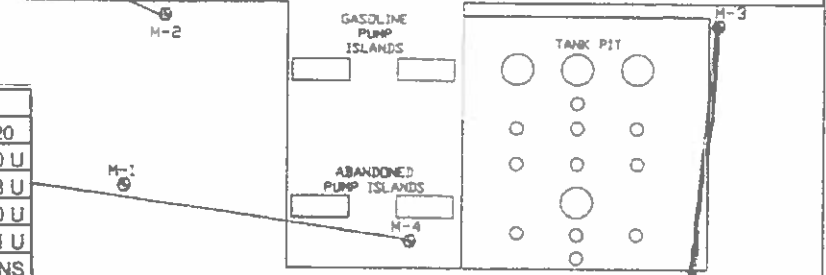
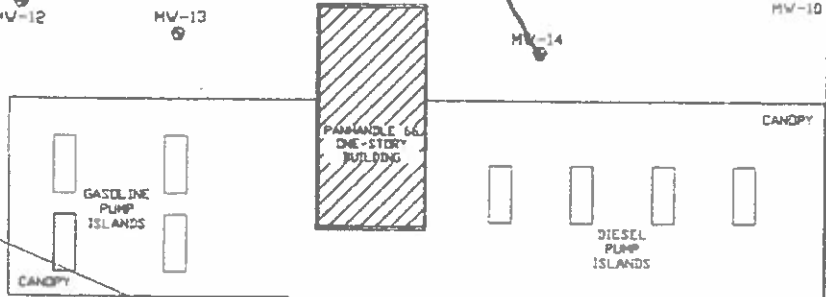
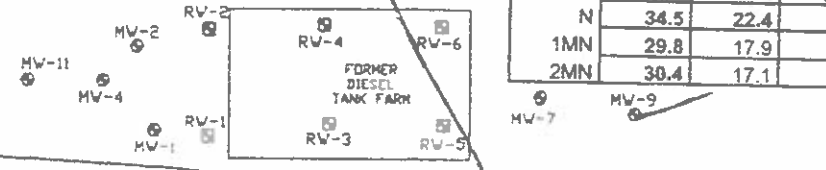
M-3				
	9/24/12	12/7/15	6/28/16	2/9/20
B	0.36 U	0.31 I	0.38 I	0.30 U
T	0.36 U	3.5	0.50 U	0.33 U
E	0.35 U	14.2	14.8	2.5
X	0.95 U	192	10.6	2.1 U
N	0.57 I	26.9	14.6	NS
1MN	NS	10.7	3.6	NS
2MN	NS	15.1	6.6	NS

- LEGEND:
- MONITORING WELL
  - ◆ DEEP MONITORING WELL
  - ⊛ DESTROYED DEEP MONITORING WELL
  - ⊞ RECOVERY WELL

STORMWATER DRAIN

GRASS

GRASS



**Ridge Environmental Solutions, Inc.**

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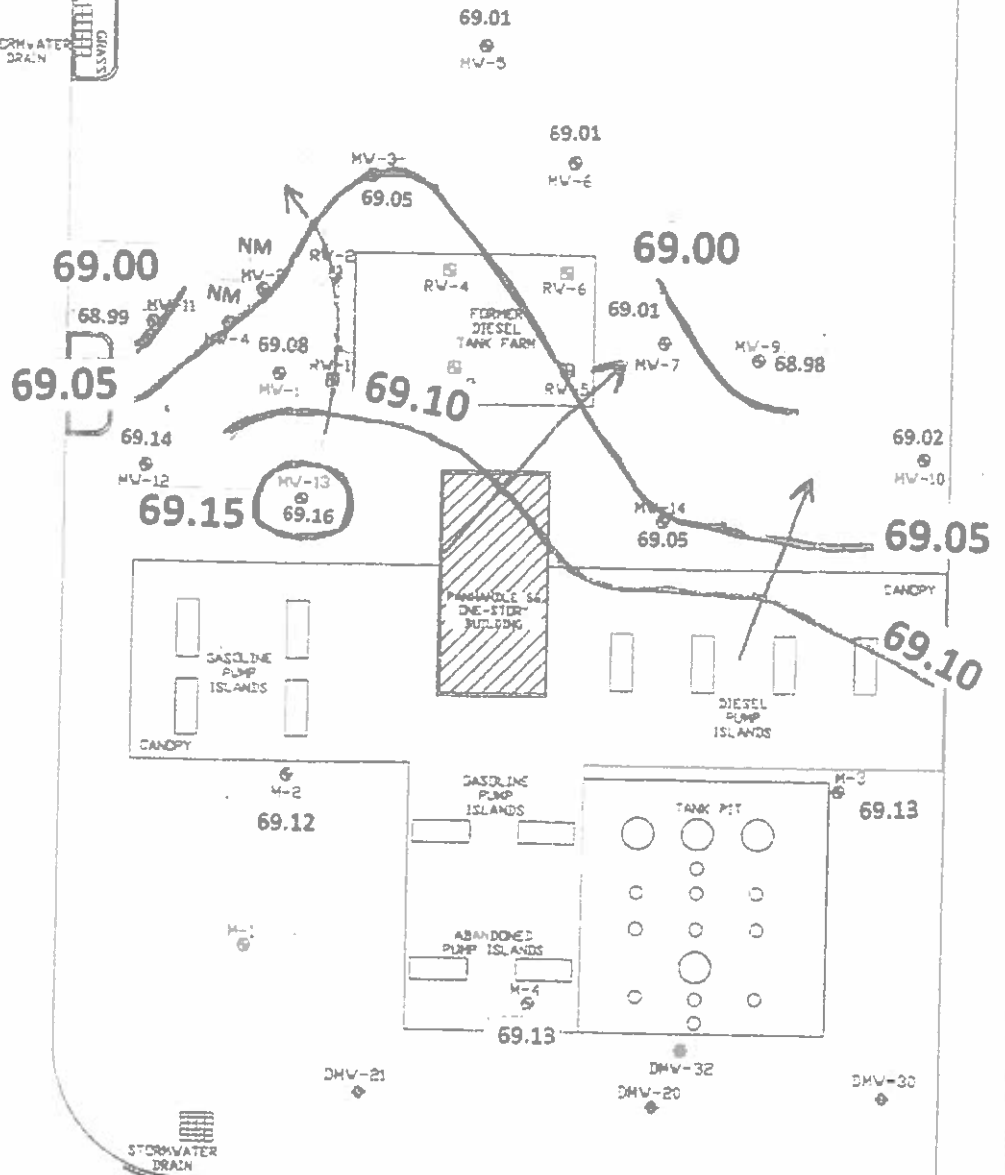
PANHANDLE 66  
 8400 NORTH CENTURY BLVD.  
 CENTURY, FLORIDA  
 FDEP FAC. ID# 17/8944981

**GROUNDWATER CONCENTRATION MAP – FEBRUARY 9, 2020**

SCALE:	DRAFTED BY:	PC	DATE:	04/29/13
1" = 40'	PE:	PZ	FIGURE	3



STORMWATER DRAIN  
 RECOVERY WELL



- LEGEND:
- MONITORING WELL
  - ◆ DEEP MONITORING WELL
  - ⊕ DESTROYED DEEP MONITORING WELL
  - RECOVERY WELL

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PANHANDLE 66  
 8400 NORTH CENTURY BLVD.  
 CENTURY, FLORIDA  
 FDEP FAC. ID# 17/8944981

**GROUNDWATER ELEVATION MAP – FEBRUARY 9, 2020**

SCALE: 1" = 40'	DRAFTED BY:	PC	DATE:	04/29/13
	PE:	PZ	FIGURE	4

**APPENDIX A**  
**Groundwater Sampling and Calibration Logs**



DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: PANHADLES 66	SITE LOCATION: 8400 NORTH CENTURY BLVD, CENTURY, FLORIDA
WELL NO: M-2	SAMPLE ID: _____ DATE: 2-9-20

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 16.81	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 16.81 feet ) X .16 gallons/foot = 1.31 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = NA gallons + ( NA gallons/foot X NA feet ) + NA gallons = NA gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 10:47	PURGING ENDED AT: 11:14	TOTAL VOLUME PURGED (gallons): 3:05

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:56	1.55	1.35	.15	17.22	5.8	23.4	70	.95	44	Clear	none
10:58	.3	1.65	.15	17.22	5.8	23.4	70	1.62	53	↓	↓
11:00	.3	1.95	.15	17.22	5.8	23.4	60	2.25	55		
11:10	1.5	2.45	.15	17.22	5.8	23.5	50	4.25	19		
11:12	.3	2.75	.15	17.22	5.7	23.4	50	4.28	18		
11:14	.3	3.05	.15	17.22	5.7	23.5	50	4.24	17		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016  
 PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID L YAZAK / RIDGE ENVIRONMENTAL SOLUTIONS				SAMPLER(S) SIGNATURE(S): <i>David Yazak</i>			SAMPLING INITIATED AT: 11:14		SAMPLING ENDED AT: 11:15	
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N (replaced))		DUPLICATE: Y (N)				

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW	3	CG	40mL	HCl		8.60	BTEX-M	APP	2200

REMARKS: \_\_\_\_\_

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: PANHADLES 66	SITE LOCATION: 8400 NORTH CENTURY BLVD. CENTURY, FLORIDA
WELL NO: M-3	SAMPLE ID: _____ DATE: 2-9-20

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 16.22	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 16.22 feet ) X .16 gallons/foot = 1.42 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( NA gallons/foot X NA feet ) + NA gallons = NA gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 11:48	PURGING ENDED AT: 12:07	TOTAL VOLUME PURGED (gallons): 2.1							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:03	1.5	1.5	.15	16.27	5.6	24.2	60	2.51	10	clear	none
12:05	.3	1.8	.15	16.27	5.6	24.3	60	2.53	8	↓	↓
12:07	.3	2.1	.15	16.27	5.6	24.3	60	2.54	7	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: DAVID L YAZAK / RIDGE ENVIRONMENTAL SOLUTIONS				SAMPLER(S) SIGNATURE(S): <i>David Yazak</i>			SAMPLING INITIATED AT: 12:07		SAMPLING ENDED AT: 12:08	
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: HDPE			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N (replaced))			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
M3	3	CG	40 ml	HCl		8.60	BTEX-M		APP	2200
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: + 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: PANHADLES 66	SITE LOCATION: 8400 NORTH CENTURY BLVD, CENTURY, FLORIDA
WELL NO: M-4	SAMPLE ID: _____ DATE: 29-20

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 16.35	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 16.35 feet ) X _____ gallons/foot = 1.37 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( NA gallons/foot X NA feet ) + NA gallons = NA gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 11:26	PURGING ENDED AT: 11:40	TOTAL VOLUME PURGED (gallons): 2.1							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:36	1.5	1.5	.15	16.39	5.5	24.2	60	8.47	7	clear	none
11:38	.3	1.8	.15	16.39	5.5	24.2	60	8.50	6	↓	↓
11:40	.3	2.1	.15	16.39	5.5	24.2	60	8.44	6	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: DAVID L YAZAK / RIDGE ENVIRONMENTAL SOLUTIONS				SAMPLE(S) SIGNATURE(S): <i>David Yazak</i>				SAMPLING INITIATED AT: 18:40		SAMPLING ENDED AT: 18:41	
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (replaced)		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
M4	3	CG	40ml	HCl			BTEX-M		APP	220	
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)





**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: PANHADLES 66	SITE LOCATION: 8400 NORTH CENTURY BLVD. CENTURY, FLORIDA
WELL NO: MW-10	DATE: 2-9-20

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 16.26	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 25 feet - 16.26 feet ) X .16 gallons/foot = 1.39 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = NA gallons + ( NA gallons/foot X NA feet ) + NA gallons = NA gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 9:18	PURGING ENDED AT: 9:32	TOTAL VOLUME PURGED (gallons): 2.1							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:28	1.5	1.5	.15	16.29	6.0	23.1	220	.23	2	clear	none
9:30	.3	1.8	.15	16.29	6.0	23.2	210	.22	2	↓	↓
9:32	.3	2.1	.15	16.29	6.0	23.2	210	.22	2	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: DAVID L YAZAK / RIDGE ENVIRONMENTAL SOLUTIONS				SAMPLER(S) SIGNATURE(S): <i>David Yazak</i>				SAMPLING INITIATED AT: 9:32		SAMPLING ENDED AT: 9:33		
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: HDPE				FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (replaced)				DUPLICATE: Y (N)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
MW0	3	CG	40ml	HCl		8.60	BTEX-M		APP		< 200	
REMARKS:												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

## DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: PANHADLES 66	SITE LOCATION: 8400 NORTH CENTURY BLVD. CENTURY, FLORIDA
WELL NO: MW-14	SAMPLE ID: _____ DATE: 2-9-20

### PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: 10 feet to 25 feet	STATIC DEPTH TO WATER (feet): 16.67	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 2.5 feet - 16.67 feet ) X .16 gallons/foot = 1.32 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( NA gallons/foot X NA feet ) + NA gallons = NA gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 9:43	PURGING ENDED AT: 9:56	TOTAL VOLUME PURGED (gallons): 1.95							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:52	1.35	1.35	.15	16.76	6.2	21.8	150	.31	2	clear	none
9:54	.3	1.65	.15	16.76	6.2	21.8	150	.33	2	↓	↓
9:56	.3	1.95	.15	16.76	6.2	21.9	150	.34	2	↓	↓
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.010, 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID L YAZAK / RIDGE ENVIRONMENTAL SOLUTIONS				SAMPLER(S) SIGNATURE(S): <i>David Yazak</i>			SAMPLING INITIATED AT: 9:56		SAMPLING ENDED AT: 9:57		
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: HD79			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-14	3	CG	40 ml	HCl		9.260	BTEX-M	APP	200		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Project/Site: P 66

Date: 2-9-20

Meter # YSI 550

Boldly "X" this box if there is qualified data on this page

Temperature (Quarterly)				For Date of Last Temperature Verification see				in log book			
Dissolved Oxygen	DEP SOP	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L	Pass or Fail

CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									

Specific Conductance	DEP SOP	Initials	Date	Time	Standard umhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading umhos/cm	Pass or Fail
----------------------	---------	----------	------	------	-------------------	-----------	-------	----------	---------------	------------------	--------------

CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									

Ph	DEP SOP	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	Slope	Reading SU	Pass or Fail
----	---------	----------	------	------	-------------	-----------	-------	----------	-------	------------	--------------

CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									
CAL	ICV	CCV									

Maintenance: Weekly ph Slope: \_\_\_\_\_ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:  
 Perform only in Calibrate Mod: CAL - Calibrate  
 Perform only in Run Mod: ICV - Initial Calibration Verification  
 Perform only in Run Mod: CCV - Continuing Calibration Verification



Project/Site: P 66

Date: 2.9.20

Meter # Eco-Tester

Boldly "X" this box if there is qualified data on this page

Temperature (Quarterly)		For Date of Last Temperature Verification see				In log book					
Dissolved Oxygen	DEP SOP	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °c	% DO	Saturation	Pass or Fail

CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P

Specific Conductance	DEP SOP	Initials	Date	Time	Standard umhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading umhos/cm	Pass or Fail
----------------------	---------	----------	------	------	-------------------	-----------	-------	----------	---------------	------------------	--------------

CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P

Ph	DEP SOP	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	Slope	Reading SU	Pass or Fail
----	---------	----------	------	------	-------------	-----------	-------	----------	-------	------------	--------------

CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P

Maintenance: Weekly ph Slope: \_\_\_\_\_ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

Notes:  
 Perform only in Calibrate Mod: CAL - Calibrate  
 Perform only in Run Mod: ICV - Initial Calibration Verification  
 Perform only in Run Mod: CCV - Continuing Calibration Verification



**APPENDIX B**  
**Laboratory Analytical Report**



February 13, 2020

Patrick W. Zomer  
Ridge Environmental Solutions, Inc.  
912 7th Avenue East  
Bradenton, FL 34208

RE: Project: Century Florida GW  
Pace Project No.: 35529744

Dear Patrick Zomer:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lori Palmer  
lori.palmer@pacelabs.com  
813-855-1844  
Project Manager

Enclosures



### REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Century Florida GW  
Pace Project No.: 35529744

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### **Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Arizona Certification# AZ0819  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maryland Certification: #346  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: Century Florida GW  
Pace Project No.: 35529744

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35529744001	MW-5	Water	02/09/20 08:29	02/11/20 09:45
35529744002	MW-10	Water	02/09/20 09:33	02/11/20 09:45
35529744003	MW-14	Water	02/09/20 09:57	02/11/20 09:45
35529744004	MW-9	Water	02/09/20 09:09	02/11/20 09:45
35529744005	M-2	Water	02/09/20 11:15	02/11/20 09:45
35529744006	M-3	Water	02/09/20 12:08	02/11/20 09:45
35529744007	M-4	Water	02/09/20 11:40	02/11/20 09:45

### REPORT OF LABORATORY ANALYSIS

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**SAMPLE ANALYTE COUNT**

Project: Century Florida GW  
Pace Project No.: 35529744

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35529744001	MW-5	EPA 8260	SK1	8
35529744002	MW-10	EPA 8260	SK1	8
35529744003	MW-14	EPA 8260	SK1	8
35529744004	MW-9	EPA 8260	SK1	8
35529744005	M-2	EPA 8260	SK1	8
35529744006	M-3	EPA 8260	SK1	8
35529744007	M-4	EPA 8260	SK1	8

**REPORT OF LABORATORY ANALYSIS**

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### ANALYTICAL RESULTS

Project: Century Florida GW  
Pace Project No.: 35529744

**Sample: MW-5**      **Lab ID: 35529744001**    Collected: 02/09/20 08:29    Received: 02/11/20 09:45    Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	2.0	ug/L	1.0	0.30	1		02/13/20 00:59	71-43-2	
Ethylbenzene	61.6	ug/L	1.0	0.30	1		02/13/20 00:59	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 00:59	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 00:59	108-88-3	
Xylene (Total)	157	ug/L	5.0	2.1	1		02/13/20 00:59	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/13/20 00:59	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		02/13/20 00:59	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		02/13/20 00:59	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: Century Florida GW  
Pace Project No.: 35529744

Sample: MW-10 Lab ID: 35529744002 Collected: 02/09/20 09:33 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	7.5	ug/L	1.0	0.30	1		02/13/20 01:49	71-43-2	
Ethylbenzene	176	ug/L	1.0	0.30	1		02/13/20 01:49	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 01:49	1634-04-4	
Toluene	0.81 I	ug/L	1.0	0.33	1		02/13/20 01:49	108-88-3	
Xylene (Total)	81.9	ug/L	5.0	2.1	1		02/13/20 01:49	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/13/20 01:49	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/13/20 01:49	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		02/13/20 01:49	2037-26-5	

**REPORT OF LABORATORY ANALYSIS**

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**ANALYTICAL RESULTS**

Project: Century Florida GW  
 Pace Project No.: 35529744

Sample: MW-14 Lab ID: 35529744003 Collected: 02/09/20 09:57 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	17.2	ug/L	1.0	0.30	1		02/13/20 02:14	71-43-2	
Ethylbenzene	60.4	ug/L	1.0	0.30	1		02/13/20 02:14	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 02:14	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 02:14	108-88-3	
Xylene (Total)	148	ug/L	5.0	2.1	1		02/13/20 02:14	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/13/20 02:14	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/13/20 02:14	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		02/13/20 02:14	2037-26-5	

**REPORT OF LABORATORY ANALYSIS**

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**ANALYTICAL RESULTS**

Project: Century Florida GW  
 Pace Project No.: 35529744

Sample: MW-9 Lab ID: 35529744004 Collected: 02/09/20 09:09 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	33.3	ug/L	1.0	0.30	1		02/13/20 02:39	71-43-2	
Ethylbenzene	46.0	ug/L	1.0	0.30	1		02/13/20 02:39	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 02:39	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 02:39	108-88-3	
Xylene (Total)	72.1	ug/L	5.0	2.1	1		02/13/20 02:39	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		02/13/20 02:39	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/13/20 02:39	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		02/13/20 02:39	2037-26-5	

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**ANALYTICAL RESULTS**

Project: Century Florida GW  
 Pace Project No.: 35529744

Sample: M-2 Lab ID: 35529744005 Collected: 02/09/20 11:15 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	0.30 U	ug/L	1.0	0.30	1		02/13/20 03:04	71-43-2	
Ethylbenzene	6.5	ug/L	1.0	0.30	1		02/13/20 03:04	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 03:04	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 03:04	108-88-3	
Xylene (Total)	6.1	ug/L	5.0	2.1	1		02/13/20 03:04	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		02/13/20 03:04	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/13/20 03:04	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		02/13/20 03:04	2037-26-5	

**REPORT OF LABORATORY ANALYSIS**

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**ANALYTICAL RESULTS**

Project: Century Florida GW

Pace Project No.: 35529744

Sample: M-3 Lab ID: 35529744006 Collected: 02/09/20 12:08 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>	Analytical Method: EPA 8260								
Benzene	0.30 U	ug/L	1.0	0.30	1		02/13/20 03:29	71-43-2	
Ethylbenzene	2.5	ug/L	1.0	0.30	1		02/13/20 03:29	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 03:29	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 03:29	108-88-3	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/13/20 03:29	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/13/20 03:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/13/20 03:29	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/13/20 03:29	2037-26-5	

**REPORT OF LABORATORY ANALYSIS**

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### ANALYTICAL RESULTS

Project: Century Florida GW

Pace Project No.: 35529744

Sample: M-4 Lab ID: 35529744007 Collected: 02/09/20 11:40 Received: 02/11/20 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV, Short List</b>		Analytical Method: EPA 8260							
Benzene	0.30 U	ug/L	1.0	0.30	1		02/13/20 03:54	71-43-2	
Ethylbenzene	0.30 U	ug/L	1.0	0.30	1		02/13/20 03:54	100-41-4	
Methyl-tert-butyl ether	0.51 U	ug/L	2.0	0.51	1		02/13/20 03:54	1634-04-4	
Toluene	0.33 U	ug/L	1.0	0.33	1		02/13/20 03:54	108-88-3	
Xylene (Total)	2.1 U	ug/L	5.0	2.1	1		02/13/20 03:54	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/13/20 03:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/13/20 03:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/13/20 03:54	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Century Florida GW  
Pace Project No.: 35529744

QC Batch: 609867 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 35529744001, 35529744002, 35529744003, 35529744004, 35529744005, 35529744006, 35529744007

METHOD BLANK: 3314407 Matrix: Water  
Associated Lab Samples: 35529744001, 35529744002, 35529744003, 35529744004, 35529744005, 35529744006, 35529744007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	0.30 U	1.0	0.30	02/12/20 22:55	
Ethylbenzene	ug/L	0.30 U	1.0	0.30	02/12/20 22:55	
Methyl-tert-butyl ether	ug/L	0.51 U	2.0	0.51	02/12/20 22:55	
Toluene	ug/L	0.33 U	1.0	0.33	02/12/20 22:55	
Xylene (Total)	ug/L	2.1 U	5.0	2.1	02/12/20 22:55	
1,2-Dichloroethane-d4 (S)	%	110	70-130		02/12/20 22:55	
4-Bromofluorobenzene (S)	%	93	70-130		02/12/20 22:55	
Toluene-d8 (S)	%	102	70-130		02/12/20 22:55	

LABORATORY CONTROL SAMPLE: 3314408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.5	97	70-130	
Methyl-tert-butyl ether	ug/L	20	17.0	85	64-124	
Toluene	ug/L	20	19.8	99	70-130	
Xylene (Total)	ug/L	60	59.2	99	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 3314410

Parameter	Units	35529744002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	7.5	20	29.3	109	70-130	
Ethylbenzene	ug/L	176	20	199	116	70-130	
Methyl-tert-butyl ether	ug/L	0.51 U	20	18.5	91	64-124	
Toluene	ug/L	0.81 I	20	21.2	102	70-130	
Xylene (Total)	ug/L	81.9	60	151	115	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 3314409

Parameter	Units	35529744001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	2.0	1.8	11	40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Century Florida GW

Pace Project No.: 35529744

SAMPLE DUPLICATE: 3314409

Parameter	Units	35529744001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethylbenzene	ug/L	61.6	61.3	0	40	
Methyl-tert-butyl ether	ug/L	0.51 U	0.51 U		40	
Toluene	ug/L	0.33 U	0.33 U		40	
Xylene (Total)	ug/L	157	157	0	40	
1,2-Dichloroethane-d4 (S)	%	110	107		40	
4-Bromofluorobenzene (S)	%	100	100		40	
Toluene-d8 (S)	%	105	104		40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: Century Florida GW  
Pace Project No.: 35529744

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.  
U Compound was analyzed for but not detected.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Century Florida GW  
Pace Project No.: 35529744

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35529744001	MW-5	EPA 8260	609867		
35529744002	MW-10	EPA 8260	609867		
35529744003	MW-14	EPA 8260	609867		
35529744004	MW-9	EPA 8260	609867		
35529744005	M-2	EPA 8260	609867		
35529744006	M-3	EPA 8260	609867		
35529744007	M-4	EPA 8260	609867		

**REPORT OF LABORATORY ANALYSIS**

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Document Name  
Sample Condition Upon Receipt Form  
Document No  
F-FL-C-007 rev. 13

Document Revised  
May 30, 2018  
Issuing Authority  
Pace Florida Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

**Project #** WO# : 35529744  
**Project Manager:** PM: LAP **Due Date:** 02/18/20  
**Client:** CLIENT: 37-RIDGEENV

**Date and Initials of person:**  
**Examining contents:** JSS  
**Label:** \_\_\_\_\_  
**Deliver:** 2-11-20  
**pH:** \_\_\_\_\_

**Thermometer Used:** T203 **Date:** 2/11/20 **Time:** 945 **Initials:** mvl

**State of Origin:** FL  For WY projects, all containers verified to ≤6 °C

**Cooler #1 Temp. °C** 3.7 (Visual) TC.1 (Correction Factor) 3.8 (Actual)  Samples on ice, cooling process has begun

**Cooler #2 Temp. °C** \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

**Cooler #3 Temp. °C** \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

**Cooler #4 Temp. °C** \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

**Cooler #5 Temp. °C** \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

**Cooler #6 Temp. °C** \_\_\_\_\_ (Visual) \_\_\_\_\_ (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

**Courier:**  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

**Shipping Method:**  First Overnight  Priority Overnight  Standard Overnight  Ground  International Priority  Other \_\_\_\_\_

**Billing:**  Recipient  Sender  Third Party  Credit Card  Unknown

**Tracking #** 3902 6621 0594

**Custody Seal on Cooler/Box Present:**  Yes  No **Seals intact:**  Yes  No **Ice** Wet Blue Dry None

**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

**Samples shorted to lab (If Yes, complete)** Shorted Date: \_\_\_\_\_ Shorted Time: \_\_\_\_\_ Qty: \_\_\_\_\_

**Comments:**

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>No Sampler Name</u>
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<b>Preservation Information:</b> Preservative: _____ Lot #/Trace # _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

**Client Notification/ Resolution:**  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**Comments/ Resolution (use back for additional comments):**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# Clemens Fuel Systems, Inc

1942 Edison Place - Chipley, Florida 32428 - (850)265-8881 - FL Lic. #RQ-0058606 - PC-C050792

EZY 3 Locator Plus

LOCATION: Panhandle Service Station DATE: 8-14-18

ADDRESS:  Hwy 29 + Hwy 4  CITY/STAT: Century, FL

TANK # 4 PRODUCT: Diesel

CAPACITY: \_\_\_\_\_ ULLAGE: \_\_\_\_\_ GALLONS IN TANK: \_\_\_\_\_

FILL DEPTH 30" DIAMETER: 46" OVERALL DEPTH: 138"

WATER TAB 0" TYPE SYSTEM: Sub TYPE TANK: \_\_\_\_\_

### PRESSURE CALCULATIONS

1. INCHES OF PRODUCT X WEIGHT OF PRODUCT 40" X .031 = 1.24 PSI
  2. INCHES OF WATER IN TANK 0 X 0 = 0 PSI
  3. TOTAL POSITIVE HEAD PRESSURE = 1.24 PSI
  4. INCHES OF WATER OUTSIDE TANK 0 X 0 = 0 PSI
  5. TOTAL PRESSURE ON TANK BOTTOM = 1.24 PSI
  6. ALWAYS ADD .5 PSI = 1.74 PSI
- NOTE: If line (6) is less than .5 PSI line (7) shall be .5 PSI
7. TOTAL REQUIRED VACUUM PRESSURE = 1.74 PSI
  8. CONVERT PSI TO INCHES OF WATER COLUMN 1.74 - .036 = 48.33 PSI

### THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- Pass TIGHT TANK, this underground storage tank passes the criteria set forth by the U.S. EPA.
- \_\_\_\_\_ ULLAGE (DRY) PROTION LEAK, this underground storage tank does not meet the criteria set forth by U.S.EPA.
- \_\_\_\_\_ BELOW PRODUCT LEVEL (WET)PROTION LEAK, this underground storage tank does not meet the criteria set forth by the U.S. EPA.

### WATER SENSOR INDICATES:

NO WATER INTRUSION WATER INTRUSION

---

OPERATOR NAME: Robert Thomas CERT.#: FL-578186



# Clemens Fuel Systems, Inc

1942 Edison Place - Chipley, Florida 32428 - (850)265-8881 - FL Lic. #RO-0058606 - PC-C050792

### EZY 3 Locator Plus

LOCATION Panhandle Service Station DATE: 8-14-18

ADDRESS: Hwy 29 & Hwy 4 CITY/STAT Century FL

TANK # 2 PRODUCT Diesel

CAPACITY: \_\_\_\_\_ ULLAGE: \_\_\_\_\_ GALLONS IN TANK: \_\_\_\_\_

FILL DEPTH 32" DIAMETER: 96" OVERALL DEPTH: 127"

WATER TAB 0 TYPE SYSTEM: Sub TYPE TANK: \_\_\_\_\_

### PRESSURE CALCULATIONS

1. INCHES OF PRODUCT X WEIGHT OF PRODUCT 47" X 0.031 = 1.457 PSI

2. INCHES OF WATER IN TANK 0 X 0 = 0 PSI

3. TOTAL POSITIVE HEAD PRESSURE = 1.457 PSI

4. INCHES OF WATER OUTSIDE TANK 0 X 0 = 0 PSI

5. TOTAL PRESSURE ON TANK BOTTOM = 1.457 PSI

6. ALWAYS ADD .5 PSI = 1.957 PSI

NOTE: If line (6) is less than .5 PSI line (7) shall be .5 PSI

7. TOTAL REQUIRED VACUUM PRESSURE = 1.957 PSI

8. CONVERT PSI TO INCHES OF WATER COLUMN 1.957 - .036 = 54.36 PSI

### THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

Pass TIGHT TANK, this underground storage tank passes the criteria set forth by the U.S. EPA.

\_\_\_\_\_ ULLAGE (DRY) PROTION LEAK, this underground storage tank does not meet the criteria set forth by U.S.EPA.

\_\_\_\_\_ BELOW PRODUCT LEVEL (WET)PROTION LEAK, this underground storage tank does not meet the criteria set forth by the U.S. EPA.

### WATER SENSOR INDICATES:

\_\_\_\_\_ NO WATER INTRUSION

\_\_\_\_\_ WATER INTRUSION

OPERATOR NAME: Dallas Harris CERT.#: FL-578186



# Clemens Fuel Systems, Inc

1942 Edison Place - Chipley, Florida 32428 - (850)265-8881 - FL Lic #RQ-0058606 - PC-C050792

EZY 3 Locator Plus

LOCATION Panhandle Service Station DATE 8-14-18

ADDRESS  Hwy 29 + Hwy 4  CITY/STAT Century, FL

TANK # 4 PRODUCT Diesel

CAPACITY: \_\_\_\_\_ ULLAGE: \_\_\_\_\_ GALLONS IN TANK: \_\_\_\_\_

FILL DEPTH 30" DIAMETER: 96" OVERALL DEPTH: 138"

WATER TAB 0" TYPE SYSTEM Sub TYPE TANK \_\_\_\_\_

### PRESSURE CALCULATIONS

1. INCHES OF PRODUCT X WEIGHT OF PRODUCT	<u>40"</u>	X	<u>.031</u>	=	<u>1.24</u>	PSI
2. INCHES OF WATER IN TANK	<u>0</u>	X	<u>0</u>	=	<u>0</u>	PSI
3. TOTAL POSITIVE HEAD PRESSURE				=	<u>1.24</u>	PSI
4. INCHES OF WATER OUTSIDE TANK	<u>0</u>	X	<u>0</u>	=	<u>0</u>	PSI
5. TOTAL PRESSURE ON TANK BOTTOM				=	<u>1.24</u>	PSI
6. ALWAYS ADD .5 PSI				=	<u>1.74</u>	PSI
NOTE: If line (6) is less than .5 PSI line (7) shall be .5 PSI						
7. TOTAL REQUIRED VACUUM PRESSURE				=	<u>1.74</u>	PSI
8. CONVERT PSI TO INCHES OF WATER COLUMN	<u>1.74</u>	-	<u>.036</u>	=	<u>48.33</u>	PSI

### THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- P257 TIGHT TANK, this underground storage tank passs the criteria set forth by the U.S. EPA.
- \_\_\_\_\_ ULLAGE (DRY) PROTION LEAK, this underground storage tank does not meet the criteria set forth by U.S.EPA.
- \_\_\_\_\_ BELOW PRODUCT LEVEL (WET)PROTION LEAK, this underground storage tank does not meet the criteria set forth by the U.S. EPA.

### WATER SENSOR INDICATES:

NO WATER INTRUSION WATER INTRUSION

---

OPERATOR NAME: Dan Williams CERT.#: FL-578186



# Department of Environmental Protection

2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(2)  
Form Title: Storage Tank Facility Registration Form  
Effective Date: July 2019  
Incorporated in Rule 62-761.400, F.A.C.

## Storage Tank Facility Registration Form

Review Registration Instructions Before Completing this Form

Submit this completed form for the facility when registration of storage tanks or compression vessels is required by Section 376.303, Florida Statutes

Please check all that apply:  New Registration  Existing Facility Info Update/Correction  New Owner  Existing Owner Info Update/Correction  New Tanks  Existing Tank Info Update/Correction

FACILITY INFORMATION County: ESCAMBIA DEP Facility ID: 8944981

Facility Name: PANHANDLE 66 City: CENTURY Zip: 32535

Facility Address: 8400 N. CENTURY BLVD Business Phone: im

Facility Contact: WALTER ANDERSON Financial Responsibility Mech: ther

Facility Type(s): \_\_\_\_\_ Emergency Phone: \_\_\_\_\_

24 Hour Emergency Contact: \_\_\_\_\_

ACCOUNT OWNER INFORMATION: Identify the Party responsible for payment of Registration Fees at the

Legal Entity: \_\_\_\_\_ Ownership Effective Date: \_\_\_\_\_

Contact Person: \_\_\_\_\_ STCM Account Number (if known): \_\_\_\_\_

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

City: \_\_\_\_\_ Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

REAL PROPERTY OWNER INFORMATION: Identify the Party that is vested with ownership, dominion or legal or rightful title to the real property

Legal Entity: \_\_\_\_\_ Ownership Effective Date: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

City: \_\_\_\_\_ Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

TANK/VESSEL INFORMATION: Complete one row for each storage tank or compression vessel system located at this facility (see Registration Instructions for codes)

Tank ID	T or V	A or U	Capacity	Installation Date	Content Code	Status	Effective Date	Construction	Piping	Monitoring
6	T	U	12,000							
7	T	U	16,000			T	12-2-2019			
8	T	U	12,000							

Facility Registration Certification: To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

The person signing this form is the: (check all that apply)

Account Owner (Responsible for Registration Fees)  Real Property Owner

James E. Campbell Jr Signature (right check to sign) 12-2-2019 Date

James E. Campbell Jr Printed Name President Title

Submit this form to [tankregistration@floridadep.gov](mailto:tankregistration@floridadep.gov)





# Clemens Fuel Systems, Inc

1942 Edison Place - Chipley, Florida 32428 - (850)265-8881 - FL Lic. #RQ-0058606 - PC-C050792

### EZY 3 Locator Plus

LOCATION Panhandle Service Station DATE: 8-14-18

ADDRESS: Hwy 29 & Hwy 4 CITY/STAT Century FL

TANK # 1 PRODUCT Regular

CAPACITY \_\_\_\_\_ ULLAGE: \_\_\_\_\_ GALLONS IN TANK: \_\_\_\_\_

FILL DEPTH 32" DIAMETER: 96" OVERALL DEPTH: 127"

WATER TAB 0 TYPE SYSTEM: Sub TYPE TANK \_\_\_\_\_

### PRESSURE CALCULATIONS

1. INCHES OF PRODUCT X WEIGHT OF PRODUCT	<u>26"</u>	X	<u>0.26</u>	=	<u>.676</u>	PSI
2. INCHES OF WATER IN TANK	<u>0</u>	X	<u>0</u>	=	<u>0</u>	PSI
3. TOTAL POSITIVE HEAD PRESSURE				=	<u>.676</u>	PSI
4. INCHES OF WATER OUTSIDE TANK	<u>0</u>	X	<u>0</u>	=	<u>0</u>	PSI
5. TOTAL PRESSURE ON TANK BOTTOM				=	<u>.676</u>	PSI
6. ALWAYS ADD .5 PSI				=	<u>1.176</u>	PSI
NOTE: If line (6) is less than .5 PSI line (7) shall be .5 PSI						
7. TOTAL REQUIRED VACUUM PRESSURE				=	<u>1.176</u>	PSI
8. CONVERT PSI TO INCHES OF WATER COLUMN	<u>1.176</u>	-	<u>.036</u>	=	<u>32.66</u>	PSI

### THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

Pass TIGHT TANK, this underground storage tank passes the criteria set forth by the U.S. EPA.

\_\_\_\_\_ ULLAGE (DRY) PROTION LEAK, this underground storage tank does not meet the criteria set forth by U.S.EPA.

\_\_\_\_\_ BELOW PRODUCT LEVEL (WET)PROTION LEAK, this underground storage tank does not meet the criteria set forth by the U.S. EPA.

### WATER SENSOR INDICATES:

\_\_\_\_\_ NO WATER INTRUSION

\_\_\_\_\_ WATER INTRUSION

OPERATOR NAME: Dallas Harris CERT.#: FL-578186