

**From:** [Weaver, Emily](#)  
**To:** [SWD\\_Waste](#)  
**Cc:** [Wargo, Emily](#); [Tafuni, Steven](#)  
**Subject:** FW: Pasco Leachate Tank and Containment Reports  
**Date:** Monday, April 10, 2023 3:15:36 PM  
**Attachments:** [image001.png](#)  
[L - 2022R062 Spring Hill FL - Warranty Repair Procedure.pdf](#)  
[Warranty Repair Procedure Follow Up - Spring Hill FL -2022R062.pdf](#)  
[032211527 West Pasco Resource Recovery Leachate Tank, OC Documentation Report, 4-4-23.pdf](#)

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FYI

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**From:** Justin G. Roessler <[jroessler@pascocountyfl.net](mailto:jroessler@pascocountyfl.net)>  
**Sent:** Monday, April 10, 2023 3:07 PM  
**To:** Weaver, Emily <[Emily.Weaver@FloridaDEP.gov](mailto:Emily.Weaver@FloridaDEP.gov)>  
**Cc:** Timothy J. Treshler <[ttreshler@pascocountyfl.net](mailto:ttreshler@pascocountyfl.net)>  
**Subject:** Pasco Leachate Tank and Containment Reports

**EXTERNAL MESSAGE**

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

All items have been inspected and are in full working order.

Thanks,



**Justin G. Roessler, PhD, PE**  
Solid Waste Director  
Solid Waste and Resource Recovery  
Department  
Pasco County  
P 727-847-2411 Ext. 2084  
14230 Hays Rd.  
Spring Hill, FL 34610  
[jroessler@pascocountyfl.net](mailto:jroessler@pascocountyfl.net)  
[www.mypasco.net](http://www.mypasco.net)

“Serving our community to create a better future.”



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CUSA18A7

March 30, 2023

Via Email: [jroessler@pascocountyfl.net](mailto:jroessler@pascocountyfl.net)

Justin G. Roessler  
Pasco County Solid Waste  
and Resource Recovery Department  
14230 Hays Road  
Spring Hill, FL 34610

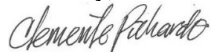
Re: 2,000,000-Gallon Leachate Storage Tank  
Warranty Repair Procedure Follow Up  
Spring Hill, Florida  
Crom Job No. 2022R062

Dear Mr. Roessler:

CROM, LLC performed an initial assessment and completed the warranty repairs listed below for the 2,000,000-Gallon Leachate Storage Tank in Pasco County, FL. The Sikagard 7600 Lining System assessment and subsequent warranty repairs started on December 19, 2022, and finished on December 30, 2022. Leak testing was completed the week of March 24, 2023, with no visible signs of leakage observed.

Please let us know if you have any questions or concerns regarding the information in this report by calling (352) 262-7289 or contacting me by email at [cpichardo@cromcorp.com](mailto:cpichardo@cromcorp.com).

Sincerely,



Clemente J. Pichardo  
Project Manager

/bfb.mkk

October 24, 2022

**Via Email:** [jroessler@pascocountyfl.net](mailto:jroessler@pascocountyfl.net)

**Cc:** [spower@pascocountyfl.net](mailto:spower@pascocountyfl.net)

Justin G. Roessler  
Pasco County Solid Waste  
and Resource Recovery Department  
14230 Hays Road  
Spring Hill, FL 34610

Re: 2,000,000-Gallon Leachate Storage Tank  
Warranty Repair Procedure  
Spring Hill, Florida  
Crom Job No. 2022R062

Dear Mr. Roessler:

CROM, LLC proposes the following warranty repair procedure for your review regarding the Sika 7600 application performed by CROM on the leachate storage tank.

Lining System Assessment:

- Pasco County drains the tanks' contents and CROM immediately inspects the interior lining system for defects after the tank has been drained.
- CROM provides an assessment of the interior lining system.
- If no issues can be identified, refilling of the tank with potable or reclaimed water may be required to determine the source of the leaks. The tank will need to be filled to an operating level of 14-feet+/- . Once the tank draining begins, the tank should be completely drained as quickly as possible and CROM will reinspect the interior lining system. Any areas passing fluid thru the tank wall should be noticeable on the tank interior using this method if the tank is able to be drained quickly enough.
- CROM will coordinate warranty repair work schedule with Pasco County after the identification of problem area(s) are identified.
- Mobilization of crew and equipment for repairs would ensue at a mutually agreed upon date between Pasco County and CROM.

Warranty Repair Procedure:

- CROM will spot repair the defective area(s) of Sikagard 7600. The spot repairs will cover the defective areas and extend 1-foot beyond defective area in all directions.
- Abrade the areas to be repaired and extend 1-foot beyond in all directions.
- Solvent wipe the prepared areas with Xylene to remove any contaminants.
- Apply Sikalastic FTP primer to the prepared and cleaned repair areas.
- Apply an intermediate coat of Sikagard 7600 over the Sikalastic primer at 30 mils DFT.
- Apply a final coat of Sikagard 7600 over the intermediate coat at 30 mils DFT.
- Allow the repair areas to cure for 96 hours before immersion.

250 S.W. 36TH TERRACE | GAINESVILLE, FLORIDA | 32607-2889

PHONE 352.372.3436 | FAX 352.372.6209 | [WWW.CROMCORP.COM](http://WWW.CROMCORP.COM)

CHATTANOOGA, TN – FORT MYERS, FL – GAINESVILLE, FL – RALEIGH, NC – WEST PALM BEACH, FL



- Leak test the tank with potable or reclaimed water to ensure a watertight repair.
- Drain the tank after successful leak testing and place the tank back into service.

Please let us know if you have any questions or concerns regarding the proposed warranty repair solution by calling (352) 262-7289 or email [cpichardo@cromcorp.com](mailto:cpichardo@cromcorp.com).

Sincerely,



Clemente J. Pichardo  
Project Manager

/ry



# GEOSYNTHETICS QUALITY CONTROL DATA

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**PROJECT NO.** 032211527

**PROJECT NAME** WEST PASCO RESOURCE RECOVERY LEACHATE TANK

Last Revised 4-4-23

COMANCO ENVIRONMENTAL CORPORATION | 4301 STERLING COMMERCE DRIVE, PLANT CITY, FL 33566

(813) 988 – 8829 | FAX (813) 652 – 8702

[WWW.COMANCO.COM](http://WWW.COMANCO.COM)

## PROJECT INFORMATION

**CONTRACT DATE:** 10.19.2022

**JOB ADDRESS:** 14230 Hays Rd

**CONTRACT NO.:** 032211527

**CITY/STATE/ZIP:** Spring Hill, FL. 34610

**OWNER:** Pasco County Solid Waste  
Department

**CEC SUPERINTENDENT:** Todd Kirkman

**ENGINEER:** N/A

**CEC QA/QC TECHNICIAN:** Erico Deleon

## QUALITY CONTROL PLAN

At COMANCO, Quality equates to Value, and that is our competitive advantage. COMANCO follows a strict quality control protocol and has set minimum test requirements that meet or exceed ASTM and the Geosynthetic Institute, (GSI) standards. Our Quality Control and Assurance Team are vigilant in their pursuit of excellence. Over the past 32 years, we have developed an extensive and thorough quality control program using advanced testing equipment, designed and built by COMANCO.

- **QA/QC Professionals** – COMANCO has a dedicated team of Quality Assurance/Quality Control professionals highly trained and skilled in the quality process. Military hardened tablets running off the shelf software and custom coded solutions from our in-house software development team, coupled with Trimble GPS Survey equipment, ensures our QA/QC team gets precise measurements.
- **CAAB** – CAAB or Computer Aided As-Built is COMANCO's in-house developed proprietary software used for 3D modeling and documentation of panel installation on Geosynthetic Liner Installation projects. This software allows us to provide the OWNER with an AutoCAD® (.dxf) file that contains all the details of the project, including the location of each panel and every repair, including a three-dimensional drawing that displays all of the elevations. In addition to providing the customer a 3D, panel documented model of the installation, CAAB also interfaces with COMANCO's 5-Station Tensiometer. It's the only solution of this type in the industry and sets COMANCO far above the competition.



- **Testing** – For liner installation projects, destructive samples are taken on seam frequency dictated by project specifications. These samples are marked, documented and tested. Panel placement, destructive samples, repairs and complete as-builts of the job scope will be available to the OWNER for this project.
- **GPS As-Built** - as-built is not certified by licensed surveyor. Trained and qualified field QAQC technicians utilize base-rover GPS systems to create state plane specific as-builts. If site benchmarks were provided, corresponding coordinates were calibrated to the provided coordinates. If no site benchmark coordinates were provided prior to installation, COMANCO creates at least 3 control points and calibrates off those.

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## SECTION A

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# Trial-Welds/Start-Ups



## Preweld Test Report

**Job Number:** 032211527

**Layer:** Primary

**Material:** 60 mil liner

**Description:** Repair holes from inspection

**Job Name:** West Pasco Resource Recovery Leachate Tank

**Superintendent:** Todd Kirkman

**QC Technician:** Todd Kirkman/Erico Deleon

**Peel Test Extrusion Minimum:** 78 PPI

**Peel Test Fusion Minimum:** \_\_\_\_\_ PPI

**Shear Test Minimum:** 115 PPI

**Max Incursion Percentage:** \_\_\_\_\_ %

Weld Date	Liner Type	Weld Time	Operator Name	Machine Number	Mach. Speed	Mach. Temp	Preheat Temp	Ambient Temp	Coupon 1		Coupon 2		Coupon 3		Coupon 4		Coupon 5		Test Results
									A	B	A	B	A	B	A	B	A	B	
3-20-23	60 mil	1:15 PM	Erico Deleon	ET-A014		550	500	68	Peel	137		138		145		130		139	Pass
									Inc %	FTB		FTB		FTB		FTB		FTB	
									Shear	144		141		137		135		142	



SAFETY ★ QUALITY ★ SERVICE



## SECTION B

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# Repair Report



## Repair Report

**Job Number:** 032211527

**Layer:** Primary

**Job Name:** West Pasco Resource Recovery Leachate Tank

**Superintendent:** Todd Kirkman

**Description:** Repair holes inspection

**Material:** 60 mil liner

**QC Technician:** Todd Kirkman/Erco Deleon

Damage Codes							SF Patch Material	Test Type	Abbrv	Repair Types		
CR-Crease	FS-Failed Seam	MatD-Material Def.	LL-Lost Lap	CF-Custom Fit		Vacuum				VAC	C--Cap Strip	
DS-Destruct Sam	WR-Wrinkle	WS-Welder Restart	MD-Mech. Damage	PB-Pipe Boot		Air Pressure		AP	P--Patch			
SI-Subgrade Irreg	AV-Airvent	RW-Roller Wrinkle	DO-Damage By Others	BO-Burn Out		Spark		SP	B--Extrusion Bead			
SJ-Seam Joint	AO-Add On	CS-Concrete Structure		AT-Air Test		Air Lance	AL	CV--Cover				





## SECTION C

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# Google Maps Location



# West Pasco

Leachate Tank Repairs

**Legend**

 Repairs







## SECTION D

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# Job Site Progress Photos

















SECTION

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# Pasco County Inspection Letter



## *Summary*

COMANCO performed a complete inspection of the West Pasco Resource Recovery Leachate Tank and completed all necessary repairs on 3-20-2023. COMANCO verifies that the integrity of the secondary containment area to be up to design intent.