# WELL ABANDONMENT AND CLOSURE REPORT PHASE 4 INTERIM STORMWATER BERM, CELL 14 MONITOR WELL CLUSTERS MW-24, MW-25, AND PIEZOMETERS 18, 19

### Prepared for:



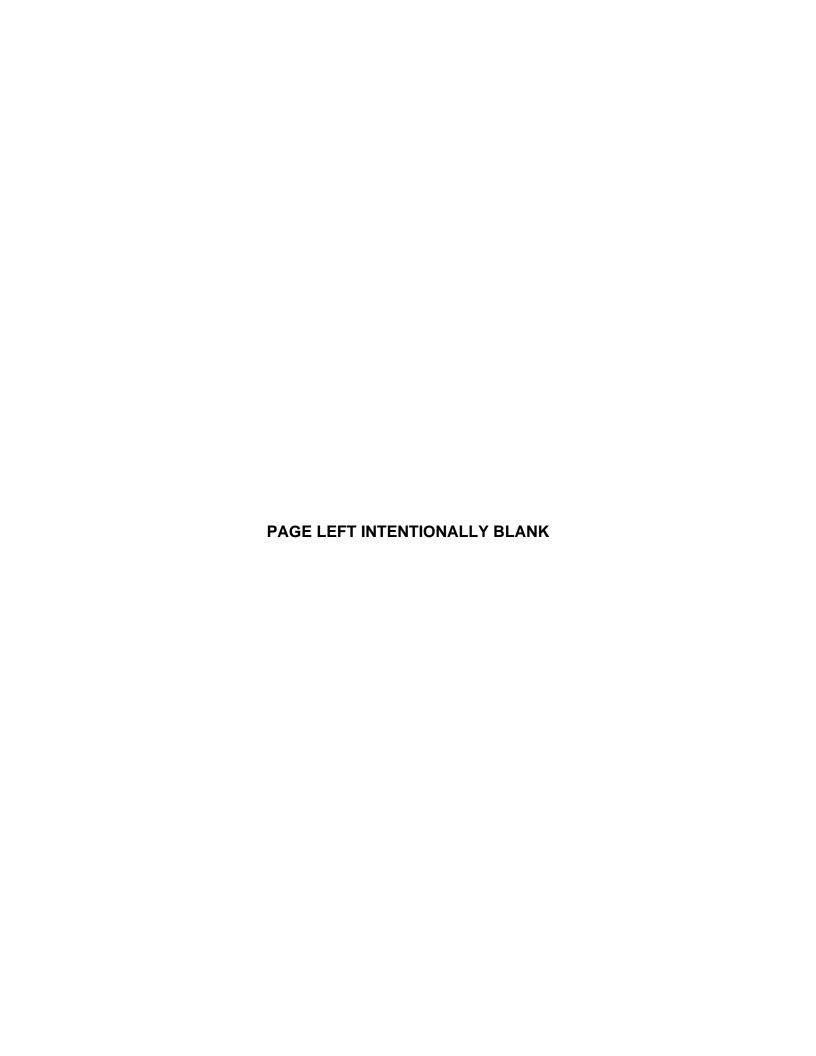
### Waste Connections of Florida, Inc. 5135 Madison Ave Tampa, FL 33619

#### Prepared by:



MSE GROUP, LLC 5858 South Semoran Blvd. Orlando, FL 32822

> August 2021 Revision 1





#### **Table of Contents**

Table	of Contents	i
	REGISTERED PROFESSIONAL GEOLOGIST CERTIFICATION	
2.0	INTRODUCTION	3
2.1	Background	3
3.0	PLUG AND ABANDONMENT	5
3.1	Well Plugging Clusters MW-24, and MW-25	5
3.2	Well Plugging Piezometers DP-18, and DP-19	5
3.3	Wellhead/Casing Removal	6
4.0	REFERENCES	7

#### **List of Tables**

Table 1 – Type I/II Portland Cement Calculation Results

#### **List of Appendices**

Appendix A – Permits and Supporting Documentation

#### **List of Acronyms and Abbreviations**

ALS Above land surface

F.A.C. Florida Administrative Code

Facility JED Solid Waste Management Facility

FDEP Florida Department of Environmental Protection

NET National Environmental Technologies

WCOC Waste Connections of Osceola Country, LLC

WCI Waste Connections, Inc.



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#### 1.0 REGISTERED PROFESSIONAL GEOLOGIST CERTIFICATION

I hereby certify that I have directed and supervised the field work and preparation of this document, in accordance with State Rules and Regulations. As a registered Professional Geologist, I certify that I am a qualified groundwater professional, as defined by the Florida State Board of Professional Geologists. All of the information and/or laboratory data in this document and in all of the attachments are true, accurate, complete, and in accordance with applicable state rules and regulations.

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Donald Thompson, P.G.	Stamp
April 26, 2021	
Date	

MSE Group, LLC 1 May 2021



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#### 2.0 INTRODUCTION

On behalf of Waste Connections Incorporated (WCI), the MSE Group (MSE), a Montrose Group Company, has prepared this Well Abandonment and Closure Report on behalf of Waste Connections of Osceola County, LLC (WCOC), a subsidiary company of WCI. The document provides a summary of recent work to support construction of the Cell 14 disposal area at the JED Solid Waste Management Facility (facility). Plugging and abandonment of select monitor well (MW) cluster sites and piezometers was completed in accordance with applicable guidance and standards from the Florida Department of Environmental Protection (FDEP) Central District-Solid Waste Permitting Department and the St. Johns River Water Management District Chapter 40C-3.

**Section 2.1** of this report presents background information relative to the facility and objectives of the well plugging and abandonment program. **Section 3.0** provides a description of the plugging and abandonment methodology and associated regulatory requirements. **Section 4.0** provides a listing of select references.

#### 2.1 Background

WCOC is in the initial stages of construction of the Cell 14 disposal area, which is located within the vicinity of the MW-24 and MW-25 monitoring well clusters. As with previous construction and expansion efforts (i.e., Cell 12 disposal area) the well clusters were installed in temporary locations on the Phase 4 perimeter storm water berms. To facilitate construction of the Cell 14 disposal area, WCOC requested and received approval from the FDEP to abandon the temporary well clusters and replace MW-24 in a permanent permitted location on the back slope of the Cell 12 perimeter berm (i.e., MW-30 cluster). MW-25 is not scheduled for replacement due to planned construction of the Phase 5 disposal areas.

This report summarizes field activities associated with all plugging and abandonment activities for MW-24, MW-25, and piezometers DP-18 and DP-19. **Figure 1** presents a site map showing the locations and designations of site monitor well clusters and piezometers within the Cell 12 construction area.



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#### 3.0 PLUG AND ABANDONMENT

Monitoring well clusters MW-24 and MW-25 (Zones A and B) were plugged and abandoned on 01 April 2021 with the subcontracted assistance of National Environmental Technologies (NET). All plugging and abandonment procedures were completed in accordance with regulatory guidance as noted in Chapter 40C-3, Florida Administrative Code (F.A.C.). Permits and supporting documentation are presented in **Appendix A**.

#### 3.1 Well Plugging Clusters MW-24 and MW-25

Initial well plugging activities at the facility included the removal of the above ground protective polyvinyl-chloride (PVC) covers and individual concrete well pads. Once the PVC casing was exposed, the well casing was cut-off to extend approximately 1.5-feet above land surface (ALS). NET was then directed to prepare for cementing operations to seal the well, screen, and filter pack using neat Type I/II Portland cement. No additives or cement modifiers were utilized during any of the plugging operations.

Theoretical cement volumes were calculated based on the total internal volume of the PVC well and screen. In addition, a theoretical fill-volume was estimated based on the filter pack/well screen interval. Cement volumes were estimated based on the following equation:

$$C_{vol} = (W_c * W_{Total}) + (n_{Filt} * L_{Filt} * B_c)$$

Where:

C<sub>vol</sub> = cement volume required to back plug the well including the well-screen filter pack;

W<sub>c</sub> = well capacity gallons-per-ft (gal/ft) (0.1632 gal/ft [2" PVC casing]);

 $W_{Total}$  = well length total includes casing and screen (ft);

 $n_{Filt}$  = porosity of the filter pack (0.20);

LFilt = length of the well filter pack (ft); and

 $B_c$  = borehole capacity gallons-per-ft (gal/ft) (1.02 gal/ft [5" borehole]).

A summary of theoretical cement volumes required to back plug the wells is shown on **Table 1**.

#### 3.2 Well Plugging Piezometers DP-18 and DP-19

Well plugging activities for the site piezometers are identical to steps previously described. The piezometers were constructed in support of the original hydrogeologic and geotechnical characterization for the facility's original permit. As a result, site records were referenced in order to determine the depths of the piezometers to accommodate plugging and abandonment.

Initial well plugging activities at the facility included the removal of the above ground protective covers and individual concrete well pads. Once the polyvinyl-chloride (PVC) casing was exposed, the well casing was cut-off to extend approximately 1.5-feet ALS. NET was then

MSE Group, LLC 5 May 2021



directed to prepare for cementing operations to seal the well, screen and filter pack using neat Type I/II Portland cement. No additives or cement modifiers were utilized during any of the plugging operations.

Theoretical cement volumes were calculated based on the total internal volume of the PVC well and screen. In addition, a theoretical fill-volume was estimated based on the filter pack/well screen interval. Cement volumes were estimated based on the following equation:

$$C_{vol} = (W_c * W_{Total}) + (n_{Filt} * L_{Filt} * B_c)$$

#### Where:

C<sub>vol</sub> = cement volume required to back plug the well including the well-screen filter pack;

 $W_c$  = well capacity gallons-per-ft (gal/ft) (0.1632 gal/ft [2" PVC casing]);

W<sub>Total</sub> = well length total includes casing and screen (ft);

 $n_{Filt}$  = porosity of the filter pack (0.20);

L<sub>Filt</sub> = length of the well filter pack (ft); and

B<sub>c</sub> = borehole capacity gallons-per-ft (gal/ft) (1.02 gal/ft [5" borehole]).

A summary of theoretical cement volumes required to back plug the wells is shown on **Table 1**.

#### 3.3 Wellhead/Casing Removal

Subsequent to the completion of all cementing and back-plugging operations, WCOC personnel directed the excavation contractor to remove approximately 6-ft of the cemented well casing. The final step of the abandonment program was implemented to ensure that any potential obstructions (i.e., the abandoned well casing) would not interfere with remaining grading and base liner installation operations for Cell 14.

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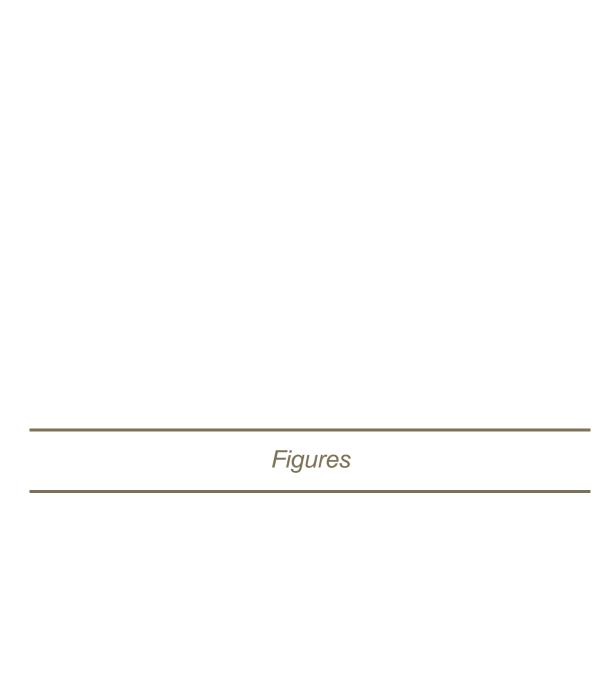


#### 4.0 REFERENCES

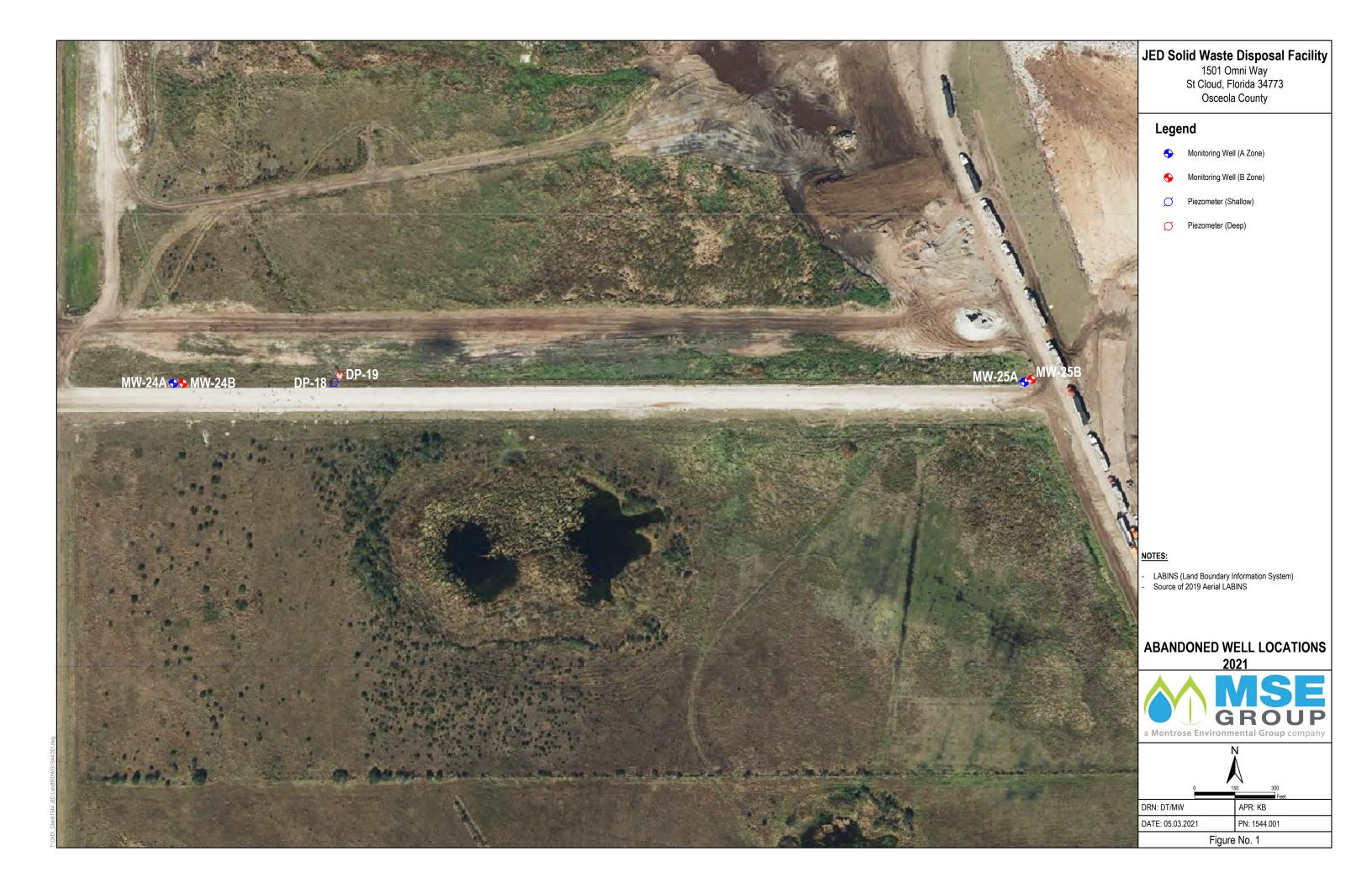
St. Johns River Water Management District Chapter 40C-3.

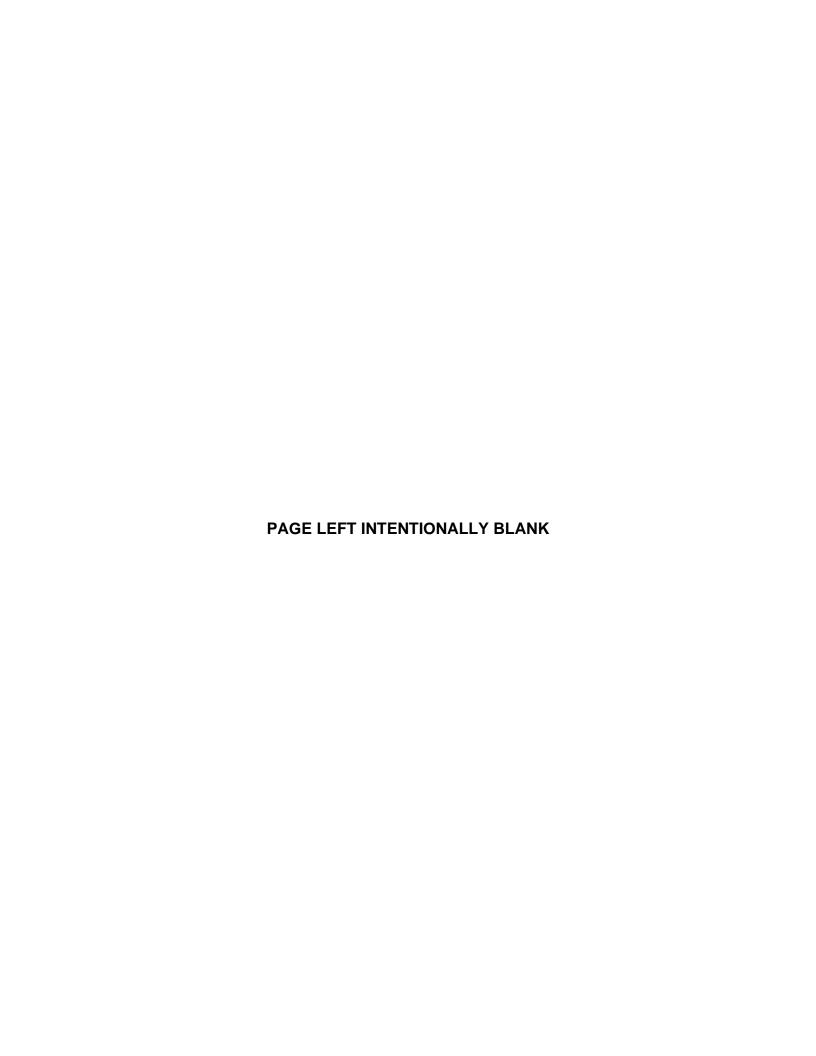


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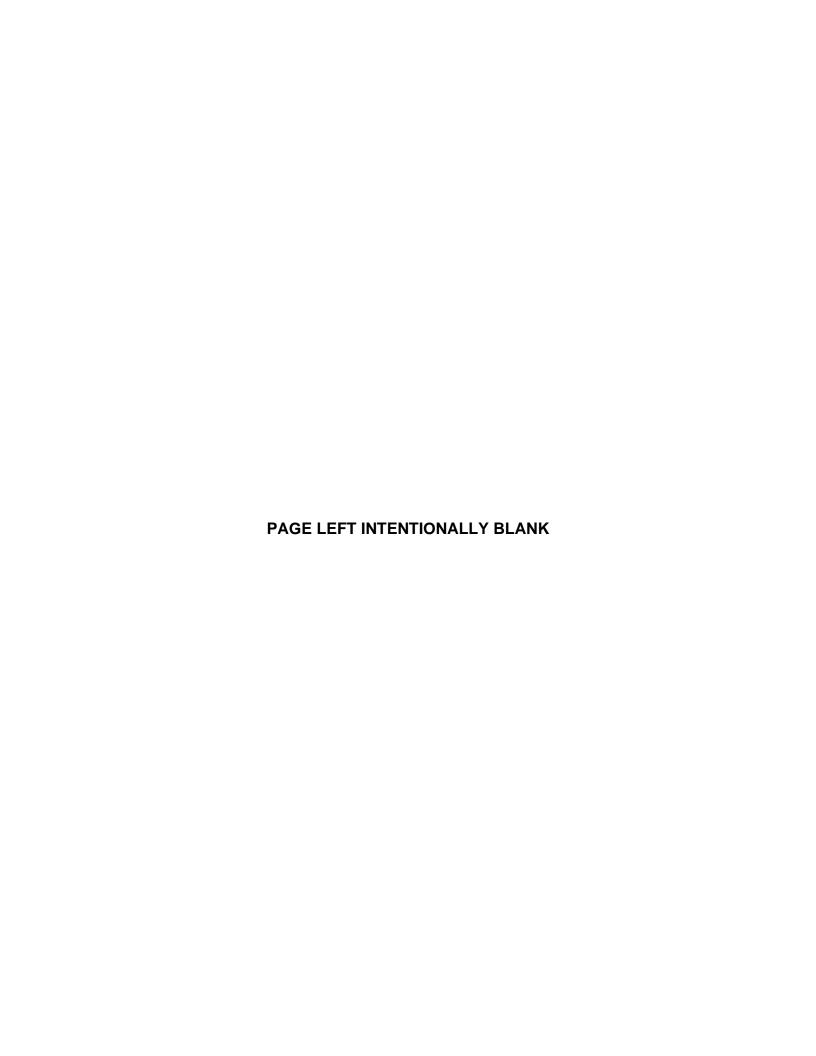


Table 1. Type I/II Portland Cement Calculation Results.

Location	Well Length <sup>/a</sup>	Filter Pack Length <sup>/b</sup>	Theoretical Volume <sup>/c</sup>	Type I/II Portland Cement <sup>/d</sup>
		(feet)	(gallons)	(94 pounds-per-sack)
MW-24 A	20	10	5.30	1.06
MW-24 B	40	10	8.57	1.71
MW-25A	20	10	5.30	1.06
MW-25B	40	10	8.57	1.71
DP-18	55	10	11.02	2.20
DP-19	18	10	4.98	1.00

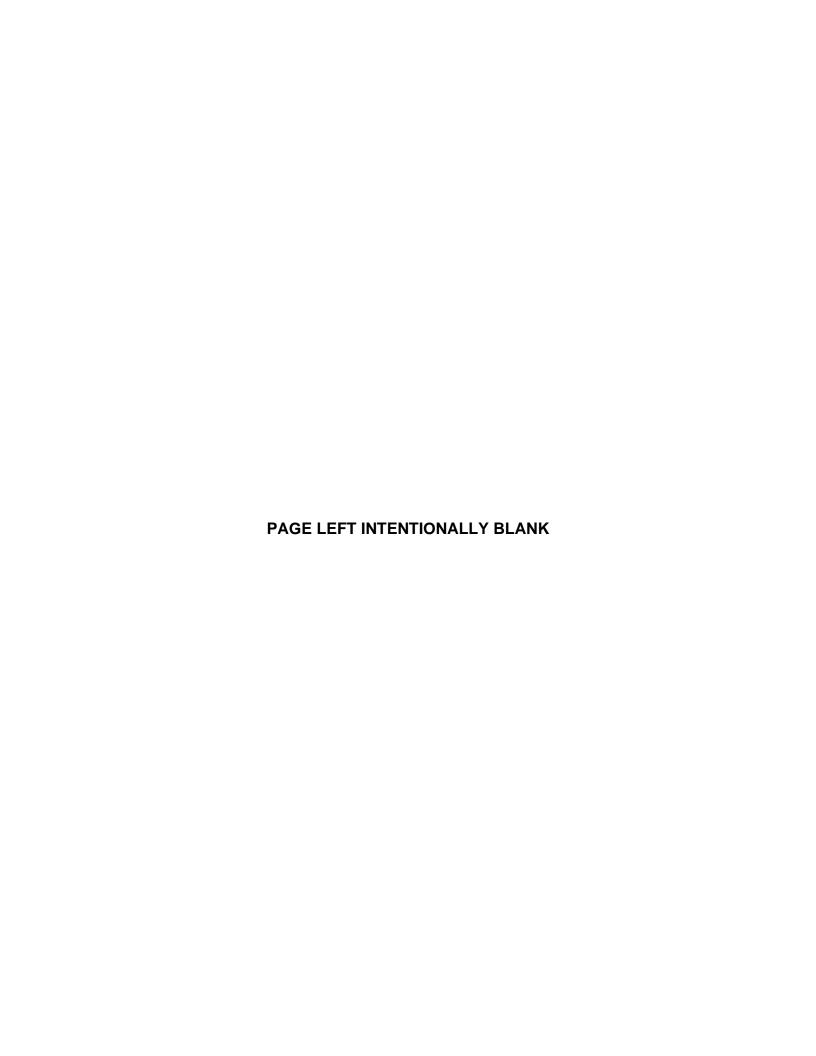
#### notes:

- a. Total casing and screen length.
- b. Approximate assume a nominal Length of the screen interval.
- c. Portland cement volume required to backplug/abandon the well casing, screen interval, and filter pack.
- d. Total number sacks required Type I/II Portland Cement. Assume an ideal mix ratio of 6:1 to yield 10 gallons cement slurry.

Cement Volume = (0.1632 gallons/ft \* Well Length) + (0.3 \* Filter Pack Length \* 1.47 gallons/ft)

assumptions:

- 0.1632 capacity of 2" pipe
- 1.02 capacity of 5-in borehole
- 0.2 porosity of filter pack



Appendix A – Permits and Supporting Documentation PAGE LEFT INTENTIONALLY BLANK

## SO WILLS

#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS
Northwest (\*Denotes Required Fields Where Applicable)
St. Johns River

South Florida Suwannee River DEP

Delegated Authority (If Applicable) DP-18

.....

Date Stamp

Delegated Authority (If Applicable) 5/15 Official use Only
1.*Permit Number 49 WP 2254790 *CUP/WUP Number *DID Number 62-524 Delineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's Name OMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date4-1-2021 5. Florida Unique ID
6
7.*County OSCEOLA *Section 11 Land Grant *Township 28S *Range 32E
8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84
10.*Type of Work: Construction Repair Modification Abandonment  11.*Specify Intended Use(s) of Well(s) Site Investigations  Domestic Landscape Irrigation Agricultural Irrigation Livestock Test  Bottled Water Supply (Limited Use/DOH) Nursery Irrigation Earth-Coupled Geothermal HVAC Supply (Class I Injection Gass V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage  Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)
12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) ✓ Other ABANDONMENT
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at GPM  14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface *Flowing: Yes V No. 15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other
16.*Total Well Depth 55 ft, Cased Depth 55 ft, *Open Hole: From To ft. *Screen: From To ft. Slot Size
17.*Abandonment:   Other (Explain)  From 0 ft To 55 ft No of Bans 2.5 Seal Material (Check One):   Next Cement Bentonite Other
From 0 ft. To 55 ft. No. of Bags 2.5 Seal Material (Check One):
18. Surface Casing Diameter and Depth:  Diain. Fromft. Toft. No. of Bags Seal Material (Check One):  Diain. Fromft. Toft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other
19. *Primary Casing Diameter and Depth:  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Seal Material (Check One):  Neat Cement Bentonite Other  Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other
20.*Liner Casing Diameter and Depth:  Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
22. Pump Type (If Known):  Centrifugal  Jet Submersible Turbine Horsepower Pump Capacity (GPM) NONE  Pump Depth Intake Depth  23. Chemical Analysis (When Required): Iron N/A ppm Sulfate ppm Chloride ppm Chloride ppm Chloride ppm Laboratory Test  Laboratory Test Field Test Kit
*Contractor Name ROSS CHINANDER *License Number 11093 E-mail Address netross@tampabay.rr.com
*Contractor's Signature *Driller's Name (Print or Type) WILLIAM D. TENNANT (Ice with the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500

WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

9225 CR 49

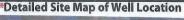
LIVE OAK, FL 32060

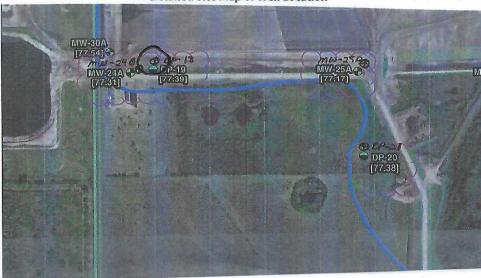
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

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From0	ft.	To 55	ft.	Color	Grain Size (F, M, C)	Material ABANDONMENT
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From	ft.	То				
From	ft.	То	ft.	Color	Grain Size (F, M, C)	
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From	ft.	To	ft.			Material
From	ft.	To	ft.			
From	ft.	To	ft.	Color	Grain Size (F, M, C)	
From	ft.	То	ft.	Color	Grain Size (F, M, C)	
From	ft.	To	ft.	Color	Grain Size (F, M, C)	Material
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From	ft.	То	ft.	Color		Material
From	ft.	То	ft.	Color		
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
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From	ft.	To	ft.	Color	Grain Size (F, M, C)	
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From		To				
From	ft.	То	ft.			
From		То		Color	Grain Size (F, M, C)	Material
From	ft.	То	ft.	Color	Grain Size (F, M, C)	
From		То			Grain Size (F, M, C)	
From	ft.	To	ft.	Color		

Comments: ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 55' IN DEPTH (DP-18).







#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS (\*Denotes Required Fields Where Applicable) Northwest

St. Johns River South Florida Suwannee River DEP

ated Authority (If Applicable) MW-248

Date Stamp

Delegated Authority (If Applicable) MW-24B	Official Use Only
1.*Permit Number 49 WP 2254790 *CUP/WUP Number *DID Number 62-524 De	lineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repair	red, or abandoned 0
3.*Owner's Name OMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date 4-1-2021 5. Florida Unio	que ID
6. JED SOLID WASTE DISPOSAL FACILITY, 1501 OMNI WAY, ST. CLOUD, FL	
*Well Location - Address, Road Name or Number, City, ZIP	_
7.*County *Section11 Land Grant *Township	285 *Range32E
8. Latitude Longitude 9. Data Obtained From: GPS  Map Survey Datum:NAD 27NAI	D 83 WGS 84
10.*Type of Work: ☐ Construction ☐ Repair ☐ Modification ☑ Abandonment	
Domestic Landscape Irrigation Agricultural Irrigation William Livestock Toward Public Water Supply Recreation Area Irrigation Livestock Toward Public Water Supply (Limited Use/DOH) Nursery Irrigation Cass I Injection Golf Course Irrigation Golf Course Irrigation Hr Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe)	ite Investigations lonitoring est arth-Coupled Geothermal VAC Supply VAC Return
Other (Describe)	
☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ✓ Other ABANDONMENT	Sonic
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at 14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface 15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other	*Flowing: Yes V No
16. *Total Well Depth 40 ft. Cased Depth 40 ft. *Open Hole: From To ft. *Screen: From To	ft. Slot Size
17.*Abandonment:  Other (Explain)	
Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite	Other Other Other Other Other
	ntonite Other
Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Ber Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Ber Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Ber Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Ber Dia	ntonite Other ntonite Other ntonite Other ntonite Other
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Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bei Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bei	ntonite Other ntonite Other ntonite Other
22. Pump Type (If Known):  Centrifugal Jet Submersible Turbine Iron N/A ppm Sulfate ppm	Chlorido
Horsepower Pump Capacity (GPM) NONE	
Pump Depth ft. Intake Depth ft.	Kit
*Contractor Name ROSS CHINANDER *License Number 11093 E-mail Address netross@tampaba	y.rr.com
*Contractor's Signature*Driller's Name (Print or Type) WILLIAM D. TEN	INANT

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

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PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US **SOUTH FLORIDA WATER MANAGEMENT DISTRICT** 

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

9225 CR 49

LIVE OAK, FL 32060

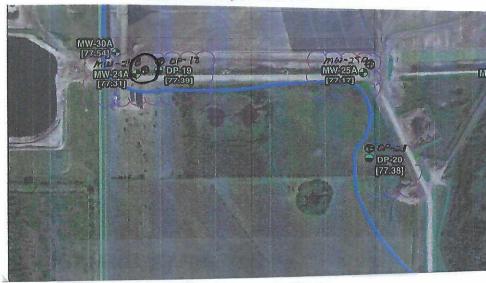
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

WWW.MYSUWANNEERIVER.COM

*DRILL CUT			ine cu	ttings every	20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine,
M=Medium,		Coarse) To <u>40</u>	ft	Color	Grain Size (F, M, C) Material ABANDONMENT
From					Grain Size (F, M, C) Material ADAMOGNIMENT
From		To To	—". ft.		Grain Size (F, M, C) Material Material
From		To			Grain Size (F, M, C) Material
From	ft.	То			Grain Size (F, M, C) Material Material
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From			-	-	Grain Size (F, M, C) Material
From		То			Grain Size (F, M, C) Material
From		То		DATE OF THE PARTY	Grain Size (F, M, C) Material
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From		То			Grain Size (F, M, C) Material
From	ft.	То			Grain Size (F, M, C) Material
From	ft.	То			Grain Size (F, M, C) Material
The same		То			Grain Size (F, M, C) Material
From		То			Grain Size (F, M, C) Material
From				Color	Grain Size (F, M, C) Material
From	ft.	То		Color	Grain Size (F, M, C) Material
From	ft.	То			Grain Size (F, M, C) Material
From	ft.	To	ft.		Grain Size (F, M, C) Material
From	ft.	То	ft.		Grain Size (F, M, C) Material
From	ft.	То	ft.	Color	Grain Size (F, M, C) Material

Comments: ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 40' IN DEPTH (MW-24B).







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#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS (\*Denotes Required Fields Where Applicable)

St. Johns River South Florida Suwannee River DEP

Delegated Authority (If Applicable) MW-25B

Official Use Only

Date Stamp

1.*Permit Number 49 WP 2254790 *CUP/WUP Number *DID Number 62-524 Delineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's Name OMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date4-1-2021 5. Florida Unique ID
6. JED SOLID WASTE DISPOSAL FACILITY, 1501 OMNI WAY, ST. CLOUD, FL *Well Location - Address, Road Name or Number, City, ZIP
7.*County*Township_28S*Range_32E
8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84
10.*Type of Work: Construction Repair Modification Abandonment  11.*Specify Intended Use(s) of Well(s) Site Investigations  Domestic Landscape Irrigation Agricultural Irrigation Livestock Test  Public Water Supply (Limited Use/DOH) Nursery Irrigation Earth-Coupled Geothermal Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Golf Course Irrigation Golf Course Irrigation Aquifer Storage and Recovery Drainage  Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)
12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) 🗸 Other ABANDONMENT
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at GPM  14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface *Flowing: Yes V No  15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other
16. *Total Well Depth 40 ft, Cased Depth 40 ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size
17.*Abandonment:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  19. *Primary Casing Diameter and Depth:  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  20.*Liner Casing Diameter and Depth:
Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
22. Pump Type (If Known):  Centrifugal Jet Submersible Turbine Iron N/A ppm Sulfate ppm Chloride ppm Horsepower Pump Capacity (GPM) NONE  Pump Depth ft. Intake Depth ft.  23. Chemical Analysis (When Required):  Iron N/A ppm Sulfate ppm Chloride ppm Chl
*Contractor's Signature *Driller's Name (Print or Type) WILLIAM D. TENNANT

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 www.swfwmd.state.fl.us

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1429

PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999

WWW.NWFWMD.STATE.FL.US

#### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

#### SUWANNEE RIVER WATER MANAGEMENT DISTRICT

9225 CR 49

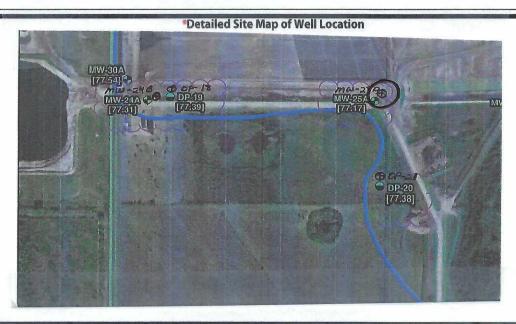
LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

WWW.MYSUWANNEERIVER.COM

From 0	ft.	To 40	ft.	Color	Grain Size (F, M, C)	Material ABANDONMENT
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From		То		Color		
From						Material
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From						Material
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From		То		Color		Material
From				Color		
From	ft.	То	ft.	Color		
From				Color	Grain Size (F, M, C)	Material
From	ft.	То	ft.			Material
From				Color		
From		То				Material
From		То		Color		Material
From		То		Color	Grain Size (F, M, C)	Material
From				Color		
From	ft.	То		Color		
From		То		Color		
From		To		Color		Material
From	NO.(2)	То		Color		
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From	ft.	To	ft.	Color	Grain Size (F, M, C)	Material

Comments; ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 40' IN DEPTH (MW-25B).





#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS (\*Denotes Required Fields Where Applicable) Northwest

St. Johns River South Florida Suwannee River

DEP
Delegated Authority (If Applicable) DP-19

Official Use Only

Date Stamp

1.*Permit Number49 WP 2254778*CUP/WUP Number*DID Number62-524 Delineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repaired, or abandoned
3.*Owner's Name OMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date 4-1-2021 5. Florida Unique ID
6
*Well Location - Address, Road Name or Number, City, ZIP
7.*County OSCEOLA *Section 11 Land Grant *Township 28S *Range 32E
8. Latitude Longitude 9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84
10.*Type of Work: Construction Repair Modification Abandonment  11.*Specify Intended Use(s) of Well(s) Site Investigations  Domestic Landscape Irrigation Agricultural Irrigation  Bottled Water Supply Recreation Area Irrigation Livestock Test  Public Water Supply (Limited Use/DOH) Nursery Irrigation  Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial  Class I Injection  Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage  Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)
12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) V Other ABANDONMENT
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at GPM  14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface *Flowing: Yes V No  15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other
16.*Total Well Depth 18 ft. Cased Depth 18 ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size
17.*Abandonment: 🗸 Other (Explain)
Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
18.*Surface Casing Diameter and Depth:
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other19. *Primary Casing Diameter and Depth:
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
21. *Telescope Casing Diameter and Depth:
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Other Other Other
Dia in. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
22. Pump Type (If Known): 23. Chemical Analysis (When Required):
Centrifugal Jet Submersible Turbine Iron N/A ppm Sulfate ppm Chloride ppm
Horsepower Pump Capacity (GPM) NONE Laboratory Test Field Test Kit
24. Water Well Contractor:
*Contractor Name ROSS CHINANDER *License Number 11093 E-mail Address netross@tampabay.rr.com
*Contractor's Signature*Driller's Name (Print or Type) WILLIAM D. TENNANT
(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429

PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712

(U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999

WWW.NWFWMD.STATE.FL.US

#### **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

#### **SUWANNEE RIVER WATER MANAGEMENT DISTRICT**

9225 CR 49

LIVE OAK, FL 32060

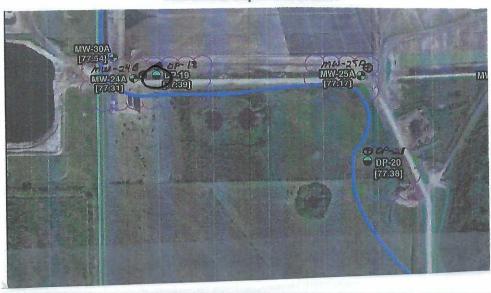
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

WWW.MYSUWANNEERIVER.COM

M=Medium From (	ft	To 18	ft	Color	Grain Size (F, M, C)	Material ABANDONMENT
		To				
From		To		Breaken -		
		То				
		То				
From		То				
		То		-		
From		То				
From		То		Color	Grain Size (F, M, C)	
From		То				
		То		Color		
From		То				
From		To		Color	Grain Size (F, M, C)	
From		То				Material
From		То		Color		
From		To				Material
	ft.	То		Color		
From	ft.	То		Color		
From		То		Color		Material
From				Color		Material
From	ft.	То		Color		Material
From		То		Color	Grain Size (F, M, C)	Material
From		То	ft.	Color	Grain Size (F, M, C)	Material

Comments: ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 18' IN DEPTH (DP-19).

#### \*Detailed Site Map of Well Location





#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS
Northwest \*Denotes Required Fields Where Applicable)

St. Johns River South Florida Suwannee River DEP

Delegated Authority (If Applicable) MW-24A

Official Use Only

Date Stamp

Delegated Additiontly (If Applicable) and the Company
1.*Permit Number 49 WP 2254778 *CUP/WUP Number *DID Number 62-524 Delineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repaired, or abandoned
3.*Owner's Name OMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date 4-1-2021 5. Florida Unique ID
6. JED SOLID WASTE DISPOSAL FACILITY, 1501 OMNI WAY, ST. CLOUD, FL
*Well Location - Address, Road Name or Number, City, ZIP
7.*County*Section11Land Grant*Township28S*Range32E
8. Latitude Longitude NAP 87
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84
10.*Type of Work: Construction Repair Modification Abandonment  11.*Specify Intended Use(s) of Well(s) Site Investigations  Domestic Landscape Irrigation Agricultural Irrigation  Bottled Water Supply Recreation Area Irrigation  Public Water Supply (Limited Use/DOH) Nursery Irrigation  Public Water Supply (Community or Non-Community/DEP) Class I Injection  Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage  Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)
12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) Other ABANDONMENT
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at GPM  14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface *Flowing: Yes V No  15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other
16.*Total Well Depth 20 ft, Cased Depth 20 ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size
17.*Abandonment:
18.*Surface Casing Diameter and Depth:  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Bentonite Other  19. *Primary Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):  Dia in. From ft. To ft. No. of Bags Seal Material (Check One):
Diain, Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain, Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain, Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
21.*Telescope Casing Diameter and Depth:  Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
22. Pump Type (If Known):  Centrifugal  Jet  Submersible  Turbine  Horsepower  Pump Capacity (GPM)  Pump Depth  Intake Depth  Ithicker  Turbine  Ithicker  Turbine  Ithicker  Ithicker  Laboratory Test  Teld Test Kit
24. Water Well Contractor:
*Contractor Name ROSS CHINANDER *License Number 11093 E-mail Address netross@tampabay.rr.com  *Contractor's Signature *Driller's Name (Print or Type) WILLIAM D. TENNANT

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT** 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1429

PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US

#### **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

#### **SUWANNEE RIVER WATER MANAGEMENT DISTRICT**

9225 CR 49

LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

WWW.MYSUWANNEERIVER.COM

From 0	ft.	To	ft	. Color	Grain Size (F, M, C)	Material ABANDONMENT
From	ft.	To_	ft		Grain Size (F, M, C)	
From	ft.	To_	ft	. Color	Grain Size (F, M, C)	
From	ft.	To_		. Color	Grain Size (F, M, C)	
From	ft.	To	ft	. Color	Grain Size (F, M, C)	
From	ft.	To	ft	. Color	Grain Size (F, M, C)	
From	ft.	To_	ft	. Color	Grain Size (F, M, C)	
From	ft.	To_	ft	. Color	Grain Size (F, M, C)	
From	ft.	To			Grain Size (F, M, C)	
From				. Color	Grain Size (F, M, C)	
From	ft.	To_	ft		Grain Size (F, M, C)	
From	ft.	To_		. Color	Grain Size (F, M, C)	
From	ft.	To_		. Color	Grain Size (F, M, C)	
From	ft.	To	ft	. Color	Grain Size (F, M, C)	
From					Grain Size (F, M, C)	
From		To		. Color	Grain Size (F, M, C)	
From	ft.	To		. Color	Grain Size (F, M, C)	Material
From	ft.			. Color	Grain Size (F, M, C)	
From	ft.	To		. Color	Grain Size (F, M, C)	
From	ft.	To_			Grain Size (F, M, C)	
From				. Color	Grain Size (F, M, C)	
From		To_	ft	. Color	Grain Size (F, M, C)	Material
From	ft.	To_	ft	. Color	Grain Size (F, M, C)	

Comments: ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 20' IN DEPTH (MW-24A).







## THE ST.

#### STATE OF FLORIDA WELL COMPLETION REPORT

Southwest PLEASE, FILL OUT ALL APPLICABLE FIELDS (\*Denotes Required Fields Where Applicable)

St. Johns River South Florida Suwannee River DEP

Delegated Authority (If Applicable) MW-25A

Date Stamp

Official Use Only

Official description
1.*Permit Number 49 WP 2254778 *CUP/WUP Number *DID Number 62-524 Delineation No
2.*Number of permitted wells constructed, repaired, or abandoned *Number of permitted wells not constructed, repaired, or abandoned 0
3.*Owner's NameOMNI WASTE OF OSCEOLA COUNTY 4.*Completion Date4-1-2021 5. Florida Unique ID
6. JED SOLID WASTE DISPOSAL FACILITY, 1501 OMNI WAY, ST. CLOUD, FL *Well Location - Address, Road Name or Number, City, ZIP
7.*County*Section11 Land Grant*Township28S*Range32E
8. Latitude Longitude
9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84
10.*Type of Work: Construction Repair Modification Abandonment  11.*Specify Intended Use(s) of Well(s) Site Investigations  Domestic Landscape Irrigation Agricultural Irrigation  Bottled Water Supply Recreation Area Irrigation  Public Water Supply (Limited Use/DOH) Nursery Irrigation  Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial  Class I Injection Golf Course Irrigation  Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage  Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)
12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) ✓ Other ABANDONMENT
13.*Measured Static Water Level 12 ft. Measured Pumping Water Level ft. After Hours at GPM  14.*Measuring Point (Describe) GROUND SURFACE Which is 0 ft. Above X Below Land Surface *Flowing: Yes V No  15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other
16. *Total Well Depth 20 ft. Cased Depth 20 ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size
17.*Abandonment:
From 0 ft. To 20 ft. No. of Bags 0.8 Seal Material (Check One):
18.*Surface Casing Diameter and Depth:  Diain. Fromft. Toft. No. of Bags Seal Material (Check One):  Diain. Fromft. Toft. No. of Bags Seal Material (Check One):  Neat Cement Bentonite Other  Bentonite Other  19. *Primary Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  21. *Telescope Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other  21. *Telescope Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Diain. Fromft. Toft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
22. Pump Type (If Known):  Centrifugal Jet Submersible Turbine Horsepower Pump Capacity (GPM) NONE  Pump Depth ft. Intake Depth ft.  23. Chemical Analysis (When Required):  Iron N/A ppm Sulfate ppm Chloride ppm Laboratory Test Field Test Kit
24. Water Well Contractor:
*Contractor Name ROSS CHINANDER *License Number 11093 E-mail Address netross@tampabay.rr.com
*Contractor's Signature *Driller's Name (Print or Type) WILLIAM D. TENNANT  (I comy that the information provided in this report is accurate and true.)

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT** 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1429

PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee)

PHONE: (850) 539-5999

WWW.NWFWMD.STATE.FL.US

#### **SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

#### **SUWANNEE RIVER WATER MANAGEMENT DISTRICT**

9225 CR 49

LIVE OAK, FL 32060

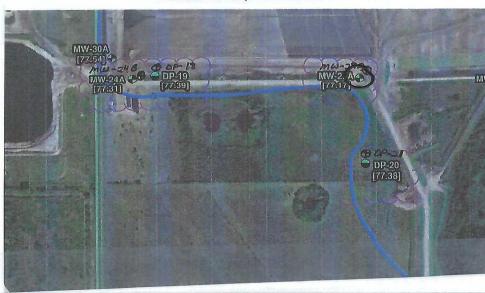
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)

WWW.MYSUWANNEERIVER.COM

*DRILL CUTTII			ine cu	ttings every 2	oft. or at formation changes. Note cavities and d	epth to producing zone. Grain Size: F=Fine,
M=Medium, a From 0	na C=0 ft.	To 20	ft.	Color	Grain Size (F, M, C)	Material ABANDONMENT
From		100000			Grain Size (F, M, C)	
From		То		CONTRACTOR OF THE PROPERTY OF	Grain Size (F, M, C)	
From					Grain Size (F, M, C)	Marie
From		То		A STATE OF THE STA	Grain Size (F, M, C)	Material
From		То		200000000000000000000000000000000000000	Grain Size (F, M, C)	Material
From		То			Grain Size (F, M, C)	
From		То			Grain Size (F, M, C)	Material
From		То			Grain Size (F, M, C)	Material
From					Grain Size (F, M, C)	
From		To		Color	Grain Size (F, M, C)	
From		То			Grain Size (F, M, C)	Material
From					Grain Size (F, M, C)	Material
From	ft.	То	ft.		Grain Size (F, M, C)	
From		To		Color	Grain Size (F, M, C)	Material
From		То		Color	Grain Size (F, M, C)	Material
From				Color	Grain Size (F, M, C)	Material
From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
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From	ft.	То	ft.	Color	Grain Size (F, M, C)	Material
From		То		The same of the sa	Grain Size (F, M, C)	
From	ft.	То	ft.		Grain Size (F, M, C)	
From	ft.	To	ft.	Color	Grain Size (F, M, C)	Material

Comments: ABANDONMENT OF ONE 2" DIA. MONITORING WELL TO 20' IN DEPTH (MW-25A).

#### \*Detailed Site Map of Well Location







### STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☐ Southwest ☐ Northwest	PLEASE FILL OUT ALL APPLICABLE FIELDS (*Denotes Required Fields Where Applicable)
St. Johns River South Florida Suwannee River	The water well contractor is responsible for complexing this form and farwarding the permit application to the appropriate delegated authority where applicable.
□DEP □Delegated Authority	(If Applicable) MW24B,MW25B,DP18,DP2

Permit No. Florida Unique ID	No.
Permit Stipulations Re	equired (See Attached)
62-524 Quad No.	Delineation No.

OMNI WASTE OF OSCEOLA 1235 N	NORTH LOOP W.	STE 205, HOUST	ON TX 77008	(	813) 468-7553
*Owner, Legal Name if Corporation	*Address	*City	*State	*ZIP	Telephone Number
JED SOLID WASTE DISPOSAL FAC		WAY, ST. CLOU	D, FL	on and the second of the secon	Control Contro
"Well Location - Address, Road Name or Nur	mber, City				
11-28-32-0000-0010-000 *Parcel ID No. (PIN) or Alternate Key (Circle	A			Fat	
11 28S 32		IΑ		Lot Bloc	- Administration - Admi
*Section or Land Grant *Township *Rar	CONTRACTOR OF THE PROPERTY OF	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1	Subdivision	Check if 63	2-524: Yes N
ROSS CHINANDER	11093	(813) 655-361		oss@tampabay.	rr com
*Water Well Contractor	*License Number	*Telephone N		E-mail A	
12435 JESS WALDEN ROAD		DOVER	Limbor .	FL	33527
*Water Well Contractor's Address			City	State	The same of the sa
. *Type of Work   Construction  Rep	air Modification				
*Number of Proposed Wells 4	L	-		Repair, Modification or	Abandonment
*Specify Intended Use(s) of Well(s):					Date Stamp
Domestic Landscape Im	igation	gricultural Irrigation	Site Investiga	otione .	
Bottled Water Supply Recreation An	No. of the control of	vestock	Monitoring	Moris	
Public Water Supply (Limited Use/DOH)	The second secon	ursery Irrigation	Test		
Public Water Supply (Community or Non-Co	ommunity/DEP) C	ommercial/Industrial	Earth-Couple	d Geothermal	
Class I Injection	G	olf Course Irrigation	HVAC Supply		
			HVAC Return	1_	
lass V Injection: Recharge Comme	ercial/Industrial Disposa	al Aquifer Stora	ige and Recovery	☐ Drainage	
emediation: Recovery Air Sparge	Other (Describs)			-	Official Use Only
Other (Describe)				- Seemen	
0.*Distance from Septic System if ≤ 200 ft.N/A	11. Facility Desi	criptionLANDFILL		12. Estimated Sta	an Date 4-1-2021
Estimated Screen Interval: From To _			Stainless Steel	in. Open Hale: Fr	romTo
4. Estimated Screen Interval: FromTo_ 5.*Primary Casing Material: Black Steel Not Cased	ft. Galvanized Other.		Stainless Steel	in. Open Hole: Fi	To
Not Cased	ft. Galvanized Other. Liner Surf	✓ PVC §	Stainless Steel	in. Open Hole: Fi	To
4. Estimated Screen Interval: FromTo 5.*Primary Casing Material: Black Steel Not Cased 6. Secondary Casing. Telescope Casing 7. Secondary Casing Material. Black Steel	ft. Galvanized Other: Liner Surf	✓ PVC § Tace Casing Diamet PVC Stainle	Stainless Steel er in.	Other	
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### STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☐ Southwest ☐ Northwest	PLEASE FILL OUT ALL APPLICABLE FIELDS (*Denotes Required Fields Where Applicable
☐St. Johns River ☐South Florida ☐Suwannee River ☐DEP	The water well contracted is responsible for completing this form and farkarding the period application to the appropriate delegated sutheraly where applicable
☐ Delegated Authority	(If Applicable) MW-24A, 25A, DP19, DP2Q

UEF					
Delegated Authority (If	Applicable)	MW-24A,	25A,	DP19,	DP2Q

Permit No	
Florida Unique ID	AND THE CONTRACTOR OF THE PROPERTY OF THE PROP
Permit Stipulations Red	mineri (See Attacheri)
	day of force Little arms
62-524 Quad No.	Delineation No.

OMNI WASTE OF OSCEOL 1235 NORTH LOOP W. STE 205, HOUSTON TX 7	77008 (813)	468-7553
*Owner, Legal Name if Corporation *Address *City	*State *2IP Tele	aphone Number
JED SOLID WASTE DISPOSAL FACILITY 1501 OMNI WAY, ST. CLOUD, FL		
"Well Location - Address, Road Name or Number, City		
11-28-32-0000-0010-000 *Parcel ID No. (PIN) or Alternate Key (Circle One)		
11 28S 32E OSCEOLA	Lot Block	Unit
*Section or Land Grant *Township *Range *County Subdivision	Check if 62-524	Yes N
ROSS CHINANDER 11093 (813) 655-3612	netross@tampabay.rr.co	m
*Water Well Contractor *License Number *Telephone Number	E-mail Address	is
12435 JESS WALDEN ROAD DOVER "Water Well Contractor's Address City	FL	33527
*Vivater Well Contractor's Address City  *Type of Work: ☐ Construction ☐ Repair ☐ Modification ☑ Abandonment NO LONGER	State	ZIP
	NEEDEU Reason for Repair Modification, or Abando	nnvent
*Specify Intended Use(s) of Well(s):		Date Stamp
Domestic Landscape Irrigation Agricultural Irrigation Site In	nvestigations	
Bottled Water Supply Recreation Area Irrigation Livestock Monito		
Public Water Supply (Limited Use/DOH)  Nursery Irrigation  Test		
[ Page   Injuntion	-Coupled Geothermal	
HVAC	Supply	
ass V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Rec	covery Drainage	
emediation Recovery Air Sparge Other (Describe)		ifficial Use Only
Other (Dasonic)		
1.*Distance from Septic System if ≤ 200 ftN/A 11. Facility DescriptionLANDFILL	12. Estimated Start Di	. 4-1-2021
	12. Louingieu ofait Di	BIE TIZOZI
3.*Estimated Well Depth 20 ft. *Estimated Casing Depth 20 ft. Primary Casing Diameter	2 in. Open Hole: From_	To
	2 in. Open Hole: From	To
Estimated Screen Interval From To ft.	2 in. Open Hole: From_	To
Estimated Screen Interval From To ft.	2 in. Open Hole: From_	To
. Estimated Screen Interval: FromToft*Primary Casing Material: Black Steel Galvanized ✓ PVC Stainless St.  Not Cased Other:	2 in. Open Hole: From_	To
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Not Cased Other— Secondary Casing: Telescope Casing Liner Surface Casing Diameter  7. Secondary Casing Material: Black Steel Galvanized PVC Stainless Steel  8. Method of Construction, Repair, or Abandonment: Auger Cable Tool Jetted Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Horizontal Drilling Plugged by Approved Method Other (Describe)  9. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing: From 0 To 20 Seal Material (Bentonite Neat Cement Other From To Seal Material (Bentonite Neat Cement Other Of Indicate total number of existing wells on site 33 List number of existing unused von CUP/MUP Application? Yes No If yes, complete the following: CUP/MUP No.  2. Latitude Longitude  3. Date Obtained From: Sept Map Survey  9. Listing Line Listing Listi	2 in. Open Hole: From_ teel in. Other	errait (CUP/WU) No  8 84 di that I am eware of any, is well to, if certify that I am of their Delegated Authenty acc by this perrei.
8. Estimated Screen Interval From	2 in. Open Hole: From	Effolio (CUP/WU) No S 84 di that I am evere of my is well or, I certify start Delegated Authority acc Tay thus permit