

RQ- 2018-04-30-39

Log-in Checklist

Login Station ID: # 3Shipping Method: FedEx | UPS | HD | Greyhound | _____Date/Time of Receipt: 05/04/2018 / 10:35

Cooler ID	Cooler Temperature*	No. Sample Containers In Cooler	Evidence Tape		*Intact?		Tracking # (fill out only if waybill copy is damaged)
			Present?		Yes	No	
<u>RQ4</u>	<u>2-7 C</u>	<u>14</u>		<u>X</u>			
<u>RQ4</u>	<u>3-6 C</u>	<u>14</u>		<u>X</u>			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes X No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes _____ No X Date _____

CONTAINER CHECK

**Evidence Tape on Bottles? Yes _____ No X If yes, is it intact? Yes _____ No _____

**Caps on tight? Yes X No _____ **Containers intact? Yes X No _____

**Sufficient Sample Volume: Yes X No _____

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No _____ NA _____ Init: ABS

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes _____ No _____ NA ✓ Init: ABS

Coolers Unpacked/Checked by: ABS Date: 05/04/2018 NCRs (Y/N)? _____

Event ID: Dead River X4 + D&B
CEN-DIST-2018-05-04-04 (SMP)
Date Received: 04-MAY-2018 10:35
 NCR # _____

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_03_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516 EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No X

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Dead River X4 + D&B

last revised Jan 25, 2018

Customer: CEN-DIST

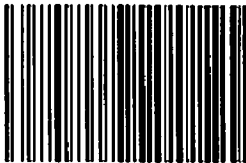
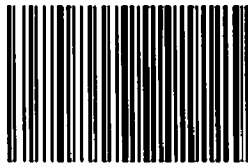
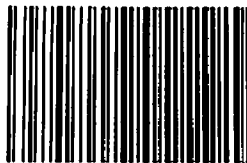
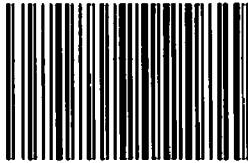
Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: K. March

Collected By: T. Rordan, K. March

Sampling Agency: ZIFCEN

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/3/18 Time 1128	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	Dead River @ 100m from Lake Harris (2817C)	G1CE0099		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.12	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STOR				Temp (C) 24.37	pH 8.50	Sample Depth 0.3	Sp. Conductance (umho/cm) 289	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.14	Comments			A
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/3/18 Time 1142	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Dead River @ Power Lines (2817C)	G1CE0056		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.63	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STOR				Temp (C) 24.35	pH 8.34	Sample Depth 0.3	Sp. Conductance (umho/cm) 305	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.14	Comments			A
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/3/18 Time 1155	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Dead River @ 50m S of US441 (2817C)	G1CE0100		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.03	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STOR				Temp (C) 24.61	pH 8.00	Sample Depth 0.3	Sp. Conductance (umho/cm) 337	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.16	Comments			A
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/3/18 Time 1205	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Dead River @ 150m from Lake Eustis (2817C)	G1CE0101		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.58	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/STOR				Temp (C) 25.14	pH 8.13	Sample Depth 0.3	Sp. Conductance (umho/cm) 349	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.17	Comments			A

Relinquished By: K. March	Date/Time: 5/3/18 1600	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time: 5-4-18 1635
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					4
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					4
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					4
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					4
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					4
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					2
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					2
	W-ICPMS					

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F					

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Dead River X4 + D&B

last revised Jan 25, 2018

Customer: CEN-DIST

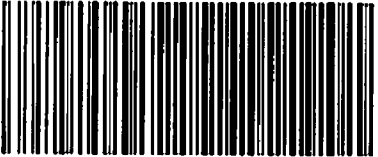
Requester: Michael Linger

Field Report Prepared By: _____

Project ID: SMP

Collected By: _____

Sampling Agency: _____

Location	Field ID → G1CE0056_DUP		☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s) (See pg 2)
Field ID	WIN → G1CE0056		☒ Grab	Date 5/3/18 Time 1145	Central	Date Time	
WIN/STORET #	Location → Dead River @ Power Lines		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth 0.3	☐ ft ☒ m
Location	Field ID →		☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s)
Field ID	Field Blank		☒ Grab	Date 5/3/18 Time 1217	Central	Date Time	
WIN/STORET #	Location/DI source Washroom		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m
Location			☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s)
Field ID	BLANK_05032018		☒ Grab	Date 5/3/18 Time 1217	Central	Date Time	
WIN/STORET #	DI water		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m
Location			☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s)
Field ID			☐ Grab	Date Time	Central	Date Time	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m
Location			☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s)
Field ID			☐ Grab	Date Time	Central	Date Time	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m
Location			☐ Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle Group(s)
Field ID			☐ Grab	Date Time	Central	Date Time	
WIN/STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	☐ ft ☐ m

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
					5-4-18 / 10:35

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F				

Date of Request: 09-APR-2018
 Created By: LINGER_M On: 09-APR-2018
 Modified By: SWANSON_C On: 10-APR-2018
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Dead River X4 + D&B

Send Coolers To:

Phone: 407-897-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Program Module Number: 1306
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 10-APR-2018
 Biology Request Reviewed By: SWANSON_C On: 10-APR-2018
 Sampling Kit Required: YES Ship on: 20-APR-2018
 Sampling Kit Shipped: YES On: 16-APR-2018
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 30-APR-2018
 Received By: SHAIK_A On: 04-MAY-2018

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: A: Site X4
 B: D&B

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 4	Preserved With: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-500ML	Number of Bottles: 4	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Arsenic
Cadmium
Copper
Lead
Silver

Bottle Type: P-500ML	Number of Bottles: 4	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 4	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Calcium
Chromium
Iron
Magnesium
Nickel
Potassium
Sodium
Zinc

W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
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Arsenic
Cadmium
Copper
Lead
Silver

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

SHIP DATE: 16APR18
ACTGHT: 10.00 LB HAN
CAD: 0468970/CAFE3111

TO JOHN WATTS

**FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD**

TALLAHASSEE FL 32399

(850) 246-8077

128

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RMA: III III III

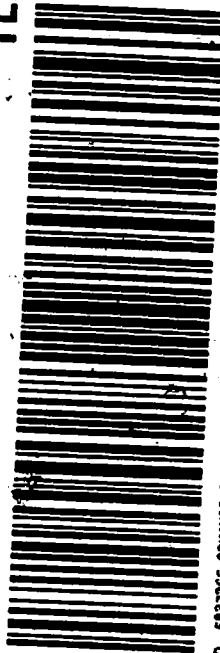
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Express

FedEx.
TRK# 4385 5028 3325
0221

FRI - 04 MAY 10:30A
PRIORITY OVERNIGHT

36 TLHA

32399
FL-US
TLH



FID 5037366 03MAY18 ORLA 546C2/782B/0008A

100-443887-100

ORIGIN ID:TLHA (407) 894-7555
MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232
ORLANDO, FL 32803767
UNITED STATES US

SHIP DATE: 16APR18
ACTWTG: 10.00 LB MAN
CAD: 046970/CAFE3111

TO JOHN WATTS

**FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD**

TALLAHASSEE FL 32399

(855) 245-8077

3136

130

WMA-III 111111

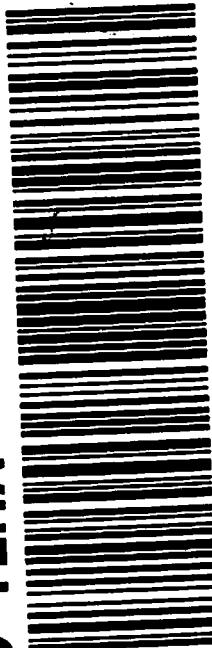
FedEx
Express

FedEx.
TRK# 4385 5028 3314
0221

**FRI - 04 MAY 10:30A
PRIORITY OVERNIGHT**

36 TLHA

32399
FL-US
TLH



546C2/782B/0C8A