Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP
Site id:	FLSO70000035230

F26
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035018**

Permit no:	50-06985-W	App no:	050516-7
Permit typ:	pumpage of <100000/gpd.		
Project na:	BELVEDERE MEDIAN IRRIGATION		
Land Use:	landscape		
Acres serv:	1.78		
Facil id:	218905		
Facil type:	WELL		
Facil name:	G		
Pump type:	CEN		
Diameter:	0		
Pump capac:	40		
Pump depth:	0		
X coord:	954700		
Y coord:	857880		
Well depth:	110		
Case depth:	100		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Water Table aquifer		
Reviewer:	John A. Lockwood, P.G.		
Secno:	30,31,32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035018		

F27
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035019**

Permit no:	50-06985-W	App no:	050516-7
Permit typ:	pumpage of <100000/gpd.		
Project na:	BELVEDERE MEDIAN IRRIGATION		
Land Use:	landscape		
Acres serv:	1.78		
Facil id:	174639		
Facil type:	WELL		
Facil name:	D		
Pump type:	CEN		
Diameter:	0		
Pump capac:	0		

Pump depth:	0		
X coord:	954700		
Y coord:	857880		
Well depth:	110		
Case depth:	100		
Use status:	to-be-plugged-and-abandoned	Fac status:	Proposed
Water use:	Irrigation		
Source:	Water Table Aquifer		
Reviewer:	John A. Lockwood, P.G.		
Secno:	30,31,32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035019		

28
ENE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035099**

Permit no:	50-07090-W	App no:	050725-20
Permit typ:	pumpage of <100000/gpd.		
Project na:	PHILLIPS PALM BEACH INC		
Land Use:	landscape		
Acres serv:	1.21		
Facil id:	180443		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	120		
Pump depth:	0		
X coord:	960233		
Y coord:	858464		
Well depth:	180		
Case depth:	160		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Jose Cruz		
Secno:	28		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035099		

G29
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSA70000008014**

Fluwid:	AAJ0664	Well type:	Limited Use Public Water System
Status :	ACTIVE	Casing mat:	PVC
Longitude:	-80.08535		
Latitude:	26.69222		
Well depth:	0		
Length :	0		
Diameter:	2	Permit num:	Not Reported
Comment :	Not Reported		
Sanit seal:	Yes	Name :	SUBURBAN WATER
First name:	OLD BELVEDERE INC	Last name:	Not Reported
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	Not Reported		
Hae:	9.74		
Gps date:	09-AUG-07	Loc method:	DGPS
Project id:	SUPER	Insp fname:	ISMAEL
Insp lname:	GONZALEZ	Insp chd:	PALM BEACH
Req numb:	Not Reported	Property i:	Not Reported
County:	PALM BEACH	Address:	2203 BELVEDERE RD
Number :	2203	Predir:	Not Reported
Prefix:	Not Reported	Street:	BELVEDERE
Suffix:	RD	Postdir:	Not Reported
Zipcode:	33409	City:	WEST PALM BEACH
Loc id:	939290		
Gps id:	939290		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	OWNER
Other id:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	00434329000007050		
Pws design:	0		
Pws verify:	0		
Site id:	FLSA70000008014		

F30
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSA70000008012**

Fluwid:	AAJ0662	Well type:	Private Water Well
Status :	ACTIVE	Casing mat:	PVC
Longitude:	-80.08567		
Latitude:	26.6918		
Well depth:	0		
Length :	0		
Diameter:	2	Permit num:	Not Reported
Comment :	Not Reported		
Sanit seal:	Yes	Name :	Not Reported
First name:	IAN	Last name:	BRIDGEMASON
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	Not Reported		
Hae:	4.3		
Gps date:	09-AUG-07	Loc method:	DGPS
Project id:	SUPER	Insp fname:	ISMAEL
Insp lname:	GONZALEZ	Insp chd:	PALM BEACH
Req numb:	Not Reported	Property i:	Not Reported
County:	PALM BEACH	Address:	2214 PHILO ST
Number :	2214	Predir:	Not Reported

Prefix:	Not Reported	Street:	PHILO
Suffix:	ST	Postdir:	Not Reported
Zipcode:	33409	City:	WEST PALM BEACH
Loc id:	939286		
Gps id:	939286		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	OWNER
Other id:	Not Reported	Software:	Well_Solo_v2
Streetside:	Yes	Agency:	DOH
Parcel id:	00434329040000070		
Pws design:	0		
Pws verify:	0		
Site id:	FLSA70000008012		

F31
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSA70000008010**

Fluwid:	AAJ0663	Well type:	Limited Use Public Water System
Status :	ACTIVE	Casing mat:	PVC
Longitude:	-80.0858		
Latitude:	26.69163		
Well depth:	0		
Length :	0		
Diameter:	2	Permit num:	Not Reported
Comment :	Not Reported		
Sanit seal:	Yes	Name :	NEW GEN PROP
First name:	Not Reported	Last name:	Not Reported
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	Not Reported		
Hae:	6.13		
Gps date:	09-AUG-07	Loc method:	DGPS
Project id:	SUPER	Insp fname:	ISMAEL
Insp lname:	GONZALEZ	Insp chd:	PALM BEACH
Req numb:	Not Reported	Property i:	Not Reported
County:	PALM BEACH	Address:	2215 BELVEDERE33409 RD
Number :	2215	Predir:	Not Reported
Prefix:	Not Reported	Street:	BELVEDERE33409
Suffix:	RD	Postdir:	Not Reported
Zipcode:	33409	City:	WEST PALM BEACH
Loc id:	939288		
Gps id:	939288		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	OWNER
Other id:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	00434329040000200		
Pws design:	0		
Pws verify:	0		
Site id:	FLSA70000008010		

H32
North
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035340**

Permit no:	50-06700-W	App no:	041109-6
Permit typ:	pumpage of <100000/gpd.		
Project na:	CPW-3-7;CENTREPARK WEST LOT 3-7		
Land Use:	landscape		
Acres serv:	2.22		
Facil id:	163388		
Facil type:	PUMP		
Facil name:	Pump 1		
Pump type:	CEN		
Diameter:	3		
Pump capac:	60		
Pump depth:	0		
X coord:	958022		
Y coord:	860394		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	On-site Lake(s)		
Reviewer:	Stephanie Newell		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035340		

I33
NE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035189**

Permit no:	50-04918-W	App no:	010406-10
Permit typ:	pumpage of <100000/gpd.		
Project na:	CENTREPARK MARRIOTT		
Land Use:	landscape		
Acres serv:	.8		
Facil id:	107175		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	32		
Pump depth:	0		
X coord:	959884		
Y coord:	859363		
Well depth:	240		
Case depth:	195		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Water Table Aquifer		
Reviewer:	Thais Spence		
Secno:	28		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP
Site id:	FLSO70000035189

G34
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035096**

Permit no:	50-04054-W	App no:	980611-8
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT PLAZA		
Land Use:	public-water-supply		
Acres serv:	.01		
Facil id:	27755		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	80		
Pump depth:	0		
X coord:	954665		
Y coord:	858404		
Well depth:	80		
Case depth:	0		
Use status:	Primary	Fac status:	Existing
Water use:	Public water supply		
Source:	Surficial Aquifer System		
Reviewer:	Thais Spence		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000035096		

F35
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034990**

Permit no:	50-01437-W	App no:	100928-20
Permit typ:	pumpage >100000/gpd.		
Project na:	P B I A ON-SITE IRRIGATION		
Land Use:	landscape		
Acres serv:	81.2		
Facil id:	224609		
Facil type:	WELL		
Facil name:	PBIA_Terminal Lake		
Pump type:	SUB		
Diameter:	0		
Pump capac:	300		

Pump depth:	0		
X coord:	954441		
Y coord:	857590		
Well depth:	210		
Case depth:	185		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Morgan LeLay		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MAJ		
Site id:	FLSO70000034990		

I36
NE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035207**

Permit no:	50-06685-W	App no:	041026-10
Permit typ:	pumpage of <100000/gpd.		
Project na:	CENTREPARK LOT 5 NORTH		
Land Use:	landscape		
Acres serv:	.4		
Facil id:	160942		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	60		
Pump depth:	10		
X coord:	959931		
Y coord:	859509		
Well depth:	240		
Case depth:	180		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Stephanie Newell		
Secno:	28		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035207		

H37
NNE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035353**

Permit no:	50-07077-W	App no:	050801-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	HAMPTON INN (PALM BEACH)		
Land Use:	landscape		
Acres serv:	.45		
Facil id:	179382		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	30		
Pump depth:	6		
X coord:	958217		
Y coord:	860531		
Well depth:	180		
Case depth:	170		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Jennifer Beatty		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035353		

G38
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSA70000008015**

Fluwid:	AAH9087	Well type:	Non Community Public Water System
Status :	ACTIVE	Casing mat:	Not Reported
Longitude:	-80.08649		
Latitude:	26.69232		
Well depth:	0		
Length :	0		
Diameter:	Not Reported	Permit num:	4504097
Comment :	DATUM 84		
Sanit seal:	Not Reported	Name :	AIRPORT PLAZA
First name:	Not Reported	Last name:	Not Reported
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	WS1984		
Hae:	0		
Gps date:	07-FEB-03	Loc method:	DGPS
Project id:	DEP	Insp fname:	Not Reported
Insp lname:	Not Reported	Insp chd:	Not Reported
Req numb:	Not Reported	Property i:	Not Reported
County:	PALM BEACH	Address:	2424 NO.CONGRESS-UNIT #22
Number :	2424	Predir:	Not Reported
Prefix:	Not Reported	Street:	NO.CONGRESS-UNIT #22
Suffix:	Not Reported	Postdir:	Not Reported
Zipcode:	33409	City:	WEST PALM BEACH
Loc id:	156308		
Gps id:	156308		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	Not Reported
Other id:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported		

Pws design:	10000
Pws verify:	0
Site id:	FLSA70000008015

J39
NNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035368**

Permit no:	50-09125-W	App no:	090624-1
Permit typ:	pumpage of <100000/gpd.		
Project na:	L-2 CANAL STORMWATER PUMPING STATION		
Land Use:	dewatering		
Acres serv:	1		
Facil id:	230321		
Facil type:	PUMP		
Facil name:	A		
Pump type:	CEN		
Diameter:	6		
Pump capac:	1000		
Pump depth:	0		
X coord:	956811		
Y coord:	860618		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Mining / Dewatering		
Source:	LWDD Canal (L-2)		
Reviewer:	Nexhip Maska, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	STDEW		
Site id:	FLSO70000035368		

J40
NNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035373**

Permit no:	50-09125-W	App no:	090624-1
Permit typ:	pumpage of <100000/gpd.		
Project na:	L-2 CANAL STORMWATER PUMPING STATION		
Land Use:	dewatering		
Acres serv:	1		
Facil id:	230322		
Facil type:	PUMP		
Facil name:	B		
Pump type:	CEN		
Diameter:	6		
Pump capac:	1500		

Pump depth:	0		
X coord:	956835		
Y coord:	860639		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Mining / Dewatering		
Source:	LWDD Canal (L-2)		
Reviewer:	Nexhip Maska, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	STDEW		
Site id:	FLSO70000035373		

J41
NNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035382**

Permit no:	50-09125-W	App no:	090624-1
Permit typ:	pumpage of <100000/gpd.		
Project na:	L-2 CANAL STORMWATER PUMPING STATION		
Land Use:	dewatering		
Acres serv:	1		
Facil id:	230323		
Facil type:	PUMP		
Facil name:	C		
Pump type:	CEN		
Diameter:	6		
Pump capac:	1500		
Pump depth:	0		
X coord:	956849		
Y coord:	860689		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Mining / Dewatering		
Source:	LWDD Canal (L-2)		
Reviewer:	Nexhip Maska, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	STDEW		
Site id:	FLSO70000035382		

42
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035054**

Permit no:	50-06004-W	App no:	030523-6
Permit typ:	pumpage of <100000/gpd.		
Project na:	CONGRESS AVENUE MEDIAN IMPROVEMENTS PROJECT		
Land Use:	landscape		
Acres serv:	.12		
Facil id:	133822		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	80		
Pump depth:	0		
X coord:	954261		
Y coord:	858122		
Well depth:	165		
Case depth:	140		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Chad Brcka		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035054		

K43
WSW
1/2 - 1 Mile
Higher

FRDS PWS **FL4504097**

Pwsid:	FL4504097	Epa region:	04
State:	FL	County:	Palm Beach
Pws name:	AIRPORT PLAZA		
Population Served:	25	Pwssvcconn:	1
PWS Source:	Groundwater		
Pws type:	TNCWS		
Status:	Active	Owner type:	Private
Facility id:	100019564		
Facility name:	GUY SCOTCHEL OFFICE BUILDING		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Contact name:	BOB & MADALYN, INC		
Original name:	BOB & MADALYN, INC		
Contact phone:	561-688-6287	Contact address1:	2424 NORTH CONGRESS AVE.#22
Contact address2:	Not Reported		
Contact city:	WEST PALM BEACH		
Contact zip:	33409		

Facility id:	84574504097		
Facility name:	GUY SCOTCHEL OFFICE BUILDING		
Facility type:	Treatment_plant	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

PWS ID: FL4504097
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: GUY SCOTCHEL OFFICE BUILDING
2424 NO.CONGRESS
WEST PALM BEACH, FL 33406

Addressee / Facility: System Owner/Responsible Party
SCOTCHEL ENTERPRISES
NONE
1000 N. CONGRESS AVE
WEST PALM BEACH, FL 33406

Facility Latitude: 26 41 06 Facility Longitude: 080 05 12
City Served: Not Reported
Treatment Class: Treated Population: 00000025

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 03/31/2009 Pwsid: FL4504097
Pwsname: AIRPORT PLAZA
Retpopsrvd: 25 Pwstypecod: NC
Vioid: 20050004270 Contaminant: COLIFORM (TCR)
Viol. Type: Monitoring, Routine Minor (TCR)
Complperbe: 10/1/2004 0:00:00
Complperen: 12/31/2004 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: FL4504097
Pwsname: AIRPORT PLAZA
Retpopsrvd: 25 Pwstypecod: NC
Vioid: 20060007220 Contaminant: COLIFORM (TCR)
Viol. Type: MCL, Monthly (TCR)
Complperbe: 6/1/2006 0:00:00
Complperen: 6/30/2006 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: FL4504097
Pwsname: AIRPORT PLAZA
Retpopsrvd: 25 Pwstypecod: NC
Vioid: 20060007221 Contaminant: COLIFORM (TCR)
Viol. Type: Monitoring, Repeat Major (TCR)
Complperbe: 4/1/2006 0:00:00
Complperen: 6/30/2006 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: FL4504097
Pwsname: AIRPORT PLAZA
Retpopsrvd: 25 Pwstypecod: NC
Vioid: 20070008665 Contaminant: COLIFORM (TCR)
Viol. Type: Monitoring, Routine Major (TCR)
Complperbe: 7/1/2007 0:00:00
Complperen: 9/30/2007 0:00:00 Enfdate: No Enf Action as of
Enf action: 7/8/2009 0:00:00
Violmeasur: Not Reported

ENFORCEMENT INFORMATION:

System Name:	AIRPORT PLAZA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2004 0:00:00 - 12/31/2004 0:00:00		
Violation ID:	20050004270		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	AIRPORT PLAZA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2004 0:00:00 - 12/31/2004 0:00:00		
Violation ID:	20050004270		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	AIRPORT PLAZA		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2006 0:00:00 - 6/30/2006 0:00:00		
Violation ID:	20060007220		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	AIRPORT PLAZA		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2006 0:00:00 - 6/30/2006 0:00:00		
Violation ID:	20060007220		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	AIRPORT PLAZA		
Violation Type:	Monitoring, Repeat Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2006 0:00:00 - 6/30/2006 0:00:00		
Violation ID:	20060007221		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	AIRPORT PLAZA		
Violation Type:	Monitoring, Repeat Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2006 0:00:00 - 6/30/2006 0:00:00		
Violation ID:	20060007221		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported

CONTACT INFORMATION:

Name:	AIRPORT PLAZA	Population:	25
Contact:	BOB & MADALYN, INC	Phone:	Not Reported
Address:	2424 NORTH CONGRESS AVE.#22		
Address 2:	WEST PALM BEACH		
	FL, 33 561-6		

44
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000237801**

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264047080044101		
Monloc name:	PB - 817		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6800659
Longitude:	-80.0778198	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	17.62
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	24
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-05-04		8.62	1975-10-09		8.81

J45
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000237939**

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264155080044601		
Monloc name:	PB - 611		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6989542
Longitude:	-80.0792087	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	14.00
Vert measure units:	feet	Vertacc measure val:	1.
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Surficial aquifer system		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

K46
WSW **FL WELLS** **FLSO70000034811**
1/2 - 1 Mile
Higher

Permit no:	50-09476-W	App no:	100624-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH INT AIRPORT TAXIWAY F MISC PAVEMENT REPAIR &REHAB		
Land Use:	dewatering		
Acres serv:	1		
Facil id:	255704		
Facil type:	PUMP		
Facil name:	Pump 2		
Pump type:	SUC		
Diameter:	8		
Pump capac:	25		
Pump depth:	0		
X coord:	954172		
Y coord:	856014		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Mining / Dewatering		
Source:	Water Table aquifer		
Reviewer:	Michael Albert, P.E.		
Secno:	31		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	STDEW		
Site id:	FLSO70000034811		

47
WNW **FED USGS** **USGS40000237916**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264140080051301		
Monloc name:	PB - 825		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6947877
Longitude:	-80.086709	Sourcemap scale:	Not Reported

Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.99
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	25
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-05-04		8.94	1975-10-09		9.33

L48
North
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035452**

Permit no:	50-09037-W	App no:	090814-8
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH ICE WORKS		
Land Use:	industrial		
Acres serv:	2		
Facil id:	230941		
Facil type:	WELL		
Facil name:	Well 2		
Pump type:	CEN		
Diameter:	0		
Pump capac:	100		
Pump depth:	0		
X coord:	958000		
Y coord:	861112		
Well depth:	180		
Case depth:	170		
Use status:	Primary	Fac status:	Proposed
Water use:	Air Conditioning / Withdrawal		
Source:	Surficial Aquifer System		
Reviewer:	Lisa J. Ullman, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035452		

49
SE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034639**

Permit no:	50-08597-W	App no:	080516-5
Permit typ:	pumpage of <100000/gpd.		
Project na:	PBAU ATHLETIC COMPLEX		
Land Use:	landscape		
Acres serv:	60.18		
Facil id:	222996		
Facil type:	PUMP		
Facil name:	SW-4		
Pump type:	SUB		
Diameter:	4		
Pump capac:	330		
Pump depth:	0		
X coord:	960152		
Y coord:	854758		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	West Palm Beach Stub Canal		
Reviewer:	Krista Reger		
Secno:	33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MAJ		
Site id:	FLSO70000034639		

L50
North
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035455**

Permit no:	50-06940-W	App no:	050509-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	DUNBAR ARMORED CARS		
Land Use:	landscape		
Acres serv:	1.9		
Facil id:	173439		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	35		
Pump depth:	0		
X coord:	958118		
Y coord:	861123		
Well depth:	100		
Case depth:	80		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Stephanie Newell		
Secno:	29		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP MIN
Site id:	FLSO70000035455

51
WNW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035143**

Permit no:	50-02348-W	App no:	100601-14
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH KENNEL CLUB		
Land Use:	landscape		
Acres serv:	5		
Facil id:	131467		
Facil type:	WELL		
Facil name:	Well 3		
Pump type:	CEN		
Diameter:	0		
Pump capac:	32		
Pump depth:	0		
X coord:	953851		
Y coord:	858936		
Well depth:	70		
Case depth:	60		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Thushari Liyanage		
Secno:	30		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035143		

M52
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000237835**

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264100080040001		
Monloc name:	EST LOCATION OF DRILLED WELL PALMBCH		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6836769
Longitude:	-80.0664306	Sourcemap scale:	Not Reported

Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

53
North
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035518**

Permit no:	50-09037-W	App no:	090814-8
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH ICE WORKS		
Land Use:	industrial		
Acres serv:	2		
Facil id:	228977		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	50		
Pump depth:	0		
X coord:	957650		
Y coord:	861557		
Well depth:	180		
Case depth:	170		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Lisa J. Ullman, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035518		

N54
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035060**

Permit no:	50-02348-W	App no:	100601-14
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH KENNEL CLUB		
Land Use:	landscape		
Acres serv:	5		
Facil id:	8729		
Facil type:	WELL		
Facil name:	Well 2		
Pump type:	SUB		
Diameter:	0		
Pump capac:	145		
Pump depth:	135		
X coord:	953472		
Y coord:	858149		
Well depth:	135		
Case depth:	100		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Thushari Liyanage		
Secno:	30		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035060		

N55
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035066**

Permit no:	50-02348-W	App no:	100601-14
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH KENNEL CLUB		
Land Use:	landscape		
Acres serv:	5		
Facil id:	8728		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	SUB		
Diameter:	0		
Pump capac:	145		
Pump depth:	135		
X coord:	953451		
Y coord:	858178		
Well depth:	135		
Case depth:	100		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Thushari Liyanage		
Secno:	30		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP MIN
Site id:	FLSO70000035066

O56
SSE **FED USGS** **USGS40000237786**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264040080042801		
Monloc name:	PB - 697		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6781216
Longitude:	-80.0742086	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19740201	Welldepth:	322
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

57
NNE **FL WELLS** **FLSO70000035506**
1/2 - 1 Mile
Higher

Permit no:	50-05640-W	App no:	020924-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	PREMIER AIRPORT CENTER, LLP		
Land Use:	landscape		
Acres serv:	5.55		
Facil id:	122987		
Facil type:	PUMP		
Facil name:	Pump 1		
Pump type:	CEN		
Diameter:	4		
Pump capac:	200		

Pump depth:	0		
X coord:	958951		
Y coord:	861493		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	On-site Canal(s)		
Reviewer:	Jennifer Phillips, P.G.		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035506		

58
WSW **FED USGS** **USGS40000237851**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264105080052201		
Monloc name:	PB - 816		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6850658
Longitude:	-80.089209	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.90
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	25
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-05-04		9.93	1975-10-09		10.45

P59
NW **FL WELLS** **FLSA70000008088**
1/2 - 1 Mile
Higher

Fluwid:	AAI9749	Well type:	Limited Use Public Water System
Status :	ACTIVE	Casing mat:	Galvanized
Longitude:	-80.08637		
Latitude:	26.69798		
Well depth:	0		
Length :	0		
Diameter:	2	Permit num:	Not Reported
Comment :	Not Reported		
Sanit seal:	YES	Name :	HAMLIN'S
First name:	Not Reported	Last name:	Not Reported
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	WS1984		
Hae:	0		
Gps date:	10-JUN-05	Loc method:	DGPS
Project id:	SUPER	Insp fname:	ISMAEL
Insp lname:	GONZALEZ	Insp chd:	PALM BEACH
Req numb:	Not Reported	Property i:	Not Reported
County:	PALM BEACH	Address:	1932 N CONGRESS AVE
Number :	1932	Predir:	N
Prefix:	Not Reported	Street:	CONGRESS
Suffix:	AVE	Postdir:	Not Reported
Zipcode:	33409	City:	WEST PALM BEACH
Loc id:	756600		
Gps id:	756600		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	Not Reported
Other id:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported		
Pws design:	0		
Pws verify:	0		
Site id:	FLSA70000008088		

M60
ESE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034722**

Permit no:	50-08597-W	App no:	080516-5
Permit typ:	pumpage of <100000/gpd.		
Project na:	PBAU ATHLETIC COMPLEX		
Land Use:	landscape		
Acres serv:	60.18		
Facil id:	222992		
Facil type:	WELL		
Facil name:	1A		
Pump type:	SUB		
Diameter:	0		
Pump capac:	825		
Pump depth:	160		
X coord:	961277		
Y coord:	855263		
Well depth:	180		
Case depth:	180		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Krista Reger		
Secno:	33		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP MAJ
Site id:	FLSO70000034722

M61
ESE **FL WELLS** **FLSO70000034718**
1/2 - 1 Mile
Higher

Permit no:	50-08597-W	App no:	080516-5
Permit typ:	pumpage of <100000/gpd.		
Project na:	PBAU ATHLETIC COMPLEX		
Land Use:	landscape		
Acres serv:	60.18		
Facil id:	222993		
Facil type:	WELL		
Facil name:	1B		
Pump type:	SUB		
Diameter:	0		
Pump capac:	825		
Pump depth:	160		
X coord:	961277		
Y coord:	855232		
Well depth:	180		
Case depth:	180		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Krista Reger		
Secno:	33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MAJ		
Site id:	FLSO70000034718		

P62
NW **FL WELLS** **FLSO70000035372**
1/2 - 1 Mile
Higher

Permit no:	50-06852-W	App no:	050302-8
Permit typ:	pumpage of <100000/gpd.		
Project na:	CONGRESS COMMERCIAL CENTER		
Land Use:	landscape		
Acres serv:	.25		
Facil id:	169075		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	55		

Pump depth:	0		
X coord:	954584		
Y coord:	860614		
Well depth:	100		
Case depth:	90		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Nikki Carlson		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035372		

63
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000237899**

Org. Identifier:	USGS-FL		
Formal name:	USGS Florida Water Science Center		
Monloc Identifier:	USGS-264125080052601		
Monloc name:	PB - 818		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	03090202	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	26.6906211
Longitude:	-80.0903202	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	13.83
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	25
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-05-04		8.37	1975-10-09		10.80

Q64
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034484**

Permit no:	50-03150-W	App no:	090123-18
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT CENTER BLDG #1		
Land Use:	landscape		
Acres serv:	12.5		
Facil id:	2657		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	0		
Pump depth:	13		
X coord:	958038		
Y coord:	853062		
Well depth:	150		
Case depth:	130		
Use status:	PNC	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Andrew Steiner		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000034484		

O65
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034483**

Permit no:	50-03150-W	App no:	090123-18
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT CENTER BLDG #1		
Land Use:	landscape		
Acres serv:	12.5		
Facil id:	2656		
Facil type:	WELL		
Facil name:	3		
Pump type:	SUB		
Diameter:	0		
Pump capac:	60		
Pump depth:	0		
X coord:	958138		
Y coord:	853062		
Well depth:	150		
Case depth:	140		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Andrew Steiner		
Secno:	32		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP MIN
Site id:	FLSO70000034483

Q66
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034479**

Permit no:	50-03150-W	App no:	090123-18
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT CENTER BLDG #1		
Land Use:	landscape		
Acres serv:	12.5		
Facil id:	133066		
Facil type:	WELL		
Facil name:	4		
Pump type:	SUB		
Diameter:	0		
Pump capac:	60		
Pump depth:	0		
X coord:	958035		
Y coord:	853028		
Well depth:	150		
Case depth:	140		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Andrew Steiner		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000034479		

N67
West
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035029**

Permit no:	50-06985-W	App no:	050516-7
Permit typ:	pumpage of <100000/gpd.		
Project na:	BELVEDERE MEDIAN IRRIGATION		
Land Use:	landscape		
Acres serv:	1.78		
Facil id:	174641		
Facil type:	WELL		
Facil name:	C		
Pump type:	CEN		
Diameter:	0		
Pump capac:	40		

Pump depth:	0		
X coord:	953130		
Y coord:	857945		
Well depth:	110		
Case depth:	100		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Water Table Aquifer		
Reviewer:	John A. Lockwood, P.G.		
Secno:	30,31,32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035029		

Q68
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034472**

Permit no:	50-03150-W	App no:	090123-18
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT CENTER BLDG #1		
Land Use:	landscape		
Acres serv:	12.5		
Facil id:	2658		
Facil type:	WELL		
Facil name:	2		
Pump type:	CEN		
Diameter:	0		
Pump capac:	0		
Pump depth:	13		
X coord:	958038		
Y coord:	852962		
Well depth:	150		
Case depth:	130		
Use status:	PNC	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Andrew Steiner		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000034472		

69
SE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034577**

Permit no:	50-08597-W	App no:	080516-5
Permit typ:	pumpage of <100000/gpd.		
Project na:	PBAU ATHLETIC COMPLEX		
Land Use:	landscape		
Acres serv:	60.18		
Facil id:	222994		
Facil type:	WELL		
Facil name:	2		
Pump type:	SUB		
Diameter:	0		
Pump capac:	825		
Pump depth:	160		
X coord:	960937		
Y coord:	854182		
Well depth:	180		
Case depth:	180		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Krista Reger		
Secno:	33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MAJ		
Site id:	FLSO70000034577		

70
NW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035444**

Permit no:	50-02660-W	App no:	110328-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	NORTH CONGRESS, INC		
Land Use:	landscape		
Acres serv:	2.47		
Facil id:	259017		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	30		
Pump depth:	0		
X coord:	954520		
Y coord:	861055		
Well depth:	90		
Case depth:	80		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Morgan LeLay		
Secno:	29		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP MIN
Site id:	FLSO70000035444

71
East
1/2 - 1 Mile
Higher

Site ID:	8514511	**AQUIFLOW**	**1392**
Groundwater Flow:	E		
Water Table Depth:	Avg. 10 ft.		
Date:	7/85		

R72
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034453**

Permit no:	50-05175-W	App no:	010926-17
Permit typ:	pumpage of <100000/gpd.		
Project na:	STATE ROAD 80 (SOUTHERN BOULEVARD)		
Land Use:	landscape		
Acres serv:	4.14		
Facil id:	112698		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	75		
Pump depth:	0		
X coord:	956725		
Y coord:	852763		
Well depth:	100		
Case depth:	60		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Biscayne Aquifer		
Reviewer:	John A. Lockwood, P.G.		
Secno:	32,33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000034453		

Q73
South
1/2 - 1 Mile
Higher

Site ID:	8514253	**AQUIFLOW**	**1412**
Groundwater Flow:	SSW		
Water Table Depth:	4 ft.		
Date:	2/90		

R74
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034436**

Permit no:	50-05175-W	App no:	010926-17
Permit typ:	pumpage of <100000/gpd.		
Project na:	STATE ROAD 80 (SOUTHERN BOULEVARD)		
Land Use:	landscape		
Acres serv:	4.14		
Facil id:	112697		
Facil type:	WELL		
Facil name:	2		
Pump type:	CEN		
Diameter:	0		
Pump capac:	75		
Pump depth:	0		
X coord:	957070		
Y coord:	852652		
Well depth:	100		
Case depth:	60		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Biscayne Aquifer		
Reviewer:	John A. Lockwood, P.G.		
Secno:	32,33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000034436		

75
WSW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034832**

Permit no:	50-09476-W	App no:	100624-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	PALM BEACH INT AIRPORT TAXIWAY F MISC PAVEMENT REPAIR &REHAB		
Land Use:	dewatering		
Acres serv:	1		
Facil id:	255703		
Facil type:	PUMP		
Facil name:	Pump 1		
Pump type:	SUC		
Diameter:	8		
Pump capac:	25		
Pump depth:	0		
X coord:	952900		
Y coord:	856200		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Mining / Dewatering		
Source:	Water Table aquifer		
Reviewer:	Michael Albert, P.E.		
Secno:	31		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	STDEW
Site id:	FLSO70000034832

76
South
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034433**

Permit no:	50-07001-W	App no:	050620-13
Permit typ:	pumpage of <100000/gpd.		
Project na:	STATE ROAD 80		
Land Use:	landscape		
Acres serv:	4.14		
Facil id:	177835		
Facil type:	WELL		
Facil name:	Well 1		
Pump type:	SUB		
Diameter:	0		
Pump capac:	80		
Pump depth:	4		
X coord:	957548		
Y coord:	852626		
Well depth:	100		
Case depth:	90		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Jose Cruz		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000034433		

77
SSE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034460**

Permit no:	50-03150-W	App no:	090123-18
Permit typ:	pumpage of <100000/gpd.		
Project na:	AIRPORT CENTER BLDG #1		
Land Use:	landscape		
Acres serv:	12.5		
Facil id:	227354		
Facil type:	WELL		
Facil name:	Well 5		
Pump type:	CEN		
Diameter:	0		
Pump capac:	65		

Pump depth:	0		
X coord:	959131.1		
Y coord:	852846.9		
Well depth:	80		
Case depth:	80		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Andrew Steiner		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000034460		

S78
SSW **FL WELLS** **FLSO70000034489**
1/2 - 1 Mile
Higher

Permit no:	50-04384-W	App no:	990719-4
Permit typ:	pumpage of <100000/gpd.		
Project na:	JET AVIATION		
Land Use:	landscape		
Acres serv:	1.35		
Facil id:	30904		
Facil type:	WELL		
Facil name:	1		
Pump type:	SUB		
Diameter:	0		
Pump capac:	85		
Pump depth:	0		
X coord:	955180		
Y coord:	853181		
Well depth:	200		
Case depth:	168		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Jeffery Scott		
Secno:	32		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000034489		

79
North **FL WELLS** **FLSO70000035584**
1/2 - 1 Mile
Higher

Permit no:	50-04762-W	App no:	001120-3
Permit typ:	pumpage of <100000/gpd.		
Project na:	OAK RIDGE BUSINESS PARK		
Land Use:	landscape		
Acres serv:	.5		
Facil id:	104096		
Facil type:	WELL		
Facil name:	Well		
Pump type:	CEN		
Diameter:	0		
Pump capac:	50		
Pump depth:	0		
X coord:	957895		
Y coord:	862285		
Well depth:	220		
Case depth:	200		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Stephen E. Bell		
Secno:	29		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000035584		

80
East
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034871**

Permit no:	50-02505-W	App no:	030829-23
Permit typ:	pumpage of <100000/gpd.		
Project na:	BELVEDERE ELEMENTARY SCHOOL		
Land Use:	landscape		
Acres serv:	5.96		
Facil id:	29775		
Facil type:	WELL		
Facil name:	1		
Pump type:	SUB		
Diameter:	0		
Pump capac:	150		
Pump depth:	42		
X coord:	962336		
Y coord:	856563		
Well depth:	80		
Case depth:	60		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Alex Glebocki		
Secno:	33		

Twp:	43
Rge:	43
Cnty code:	Palm Beach
Fee catego:	GP
Site id:	FLSO70000034871

81
NW
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000035378**

Permit no:	50-02580-W	App no:	101208-13
Permit typ:	pumpage of <100000/gpd.		
Project na:	BELVEDERE BAPTIST CHURCH		
Land Use:	landscape		
Acres serv:	.5		
Facil id:	9018		
Facil type:	WELL		
Facil name:	1		
Pump type:	CEN		
Diameter:	0		
Pump capac:	30		
Pump depth:	0		
X coord:	953818		
Y coord:	860652		
Well depth:	165		
Case depth:	150		
Use status:	Primary	Fac status:	Existing
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Michael Albert, P.E.		
Secno:	30		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MIN		
Site id:	FLSO70000035378		

82
ESE
1/2 - 1 Mile
Higher

FL WELLS **FLSO70000034704**

Permit no:	50-08597-W	App no:	080516-5
Permit typ:	pumpage of <100000/gpd.		
Project na:	PBAU ATHLETIC COMPLEX		
Land Use:	landscape		
Acres serv:	60.18		
Facil id:	222995		
Facil type:	WELL		
Facil name:	3		
Pump type:	SUB		
Diameter:	0		
Pump capac:	330		

Pump depth:	160		
X coord:	961904		
Y coord:	855125		
Well depth:	180		
Case depth:	180		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Krista Reger		
Secno:	33		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP MAJ		
Site id:	FLSO70000034704		

S83
SSW **FL WELLS** **FLSO70000034466**
1/2 - 1 Mile
Higher

Permit no:	50-05613-W	App no:	010912-15
Permit typ:	pumpage of <100000/gpd.		
Project na:	SR 80 (SOUTHERN BLVD)		
Land Use:	landscape		
Acres serv:	17.22		
Facil id:	122061		
Facil type:	WELL		
Facil name:	Well 8		
Pump type:	CEN		
Diameter:	0		
Pump capac:	75		
Pump depth:	0		
X coord:	955153		
Y coord:	852895		
Well depth:	100		
Case depth:	60		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Stephen E. Bell		
Secno:	35,36		
Twp:	43		
Rge:	42		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000034466		

84
NNE **FL WELLS** **FLSO70000035551**
1/2 - 1 Mile
Higher

Permit no:	50-04497-W	App no:	991123-6
Permit typ:	pumpage of <100000/gpd.		
Project na:	THE STORAGE AUTHORITY WEST PALM BEACH		
Land Use:	landscape		
Acres serv:	.67		
Facil id:	42864		
Facil type:	PUMP		
Facil name:	1		
Pump type:	CEN		
Diameter:	3		
Pump capac:	75		
Pump depth:	0		
X coord:	960036		
Y coord:	861963		
Well depth:	0		
Case depth:	0		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Canal		
Reviewer:	Thomas Colios		
Secno:	28		
Twp:	43		
Rge:	43		
Cnty code:	Palm Beach		
Fee catego:	GP		
Site id:	FLSO70000035551		

S85
SSW **FL WELLS** **FLSO70000034477**
1/2 - 1 Mile
Higher

Permit no:	50-05613-W	App no:	010912-15
Permit typ:	pumpage of <100000/gpd.		
Project na:	SR 80 (SOUTHERN BLVD)		
Land Use:	landscape		
Acres serv:	17.22		
Facil id:	122060		
Facil type:	WELL		
Facil name:	Well 7		
Pump type:	CEN		
Diameter:	0		
Pump capac:	120		
Pump depth:	0		
X coord:	954814		
Y coord:	852992		
Well depth:	100		
Case depth:	60		
Use status:	Primary	Fac status:	Proposed
Water use:	Irrigation		
Source:	Surficial Aquifer System		
Reviewer:	Stephen E. Bell		
Secno:	35,36		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Twp:	43
Rge:	42
Cnty code:	Palm Beach
Fee catego:	GP
Site id:	FLSO70000034477

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites>4pCi/L	Data Source
33406	36	2.8	Certified Residential Database
33406	46	4.3	Mandatory Non-Residential Database
33406	11	0.0	Mandatory Residential Database

Federal EPA Radon Zone for PALM BEACH County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for PALM BEACH COUNTY, FL

Number of sites tested: 104

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.650 pCi/L	99%	1%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environmental Protection
Telephone: 850-245-8238

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

DEP GWIS - Generalized Water Information System Well Data
Source: Department of Environmental Protection
Telephone: 850-245-8507
Data collected for the Watersed Monitoring Section of the Department of Environmental Protection.

DOH and DEP Historic Study of Private Wells
Source: Department of Environmental Protection
Telephone: 850-559-0901
Historic database for private supply wells.

Well Construction Permitting Database
Source: Northwest Florida Water Management District
Telephone: 850-539-5999

Consumptive Use Permit Well Database
Source: St. Johns River Water Management District
Telephone: 386-329-4841

Permitted Well Location Database
Source: South Florida Water Management District
Telephone: 561-682-6877

Super Act Program Well Data
This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investiagations of drinking water contamination complaints and education of the public
Source: Department of Health
Telephone: 850-245-4250

Water Well Location Information
Source: Suwannee River Water Management District
Telephone: 386-796-7211

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Water Well Permit Database
Source: Southwest Water Management District
Telephone: 352-796-7211

OTHER STATE DATABASE INFORMATION

Florida Sinkholes
Source: Department of Environmental Protection, Geological Survey
The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

Oil and Gas Permit Database
Source: Department of Environmental Protection
Telephone: 850-245-3194
Locations of all permitted wells in the state of Florida.

RADON

State Database: FL Radon
Source: Department of Health
Telephone: 850-245-4288
Zip Code Based Radon Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

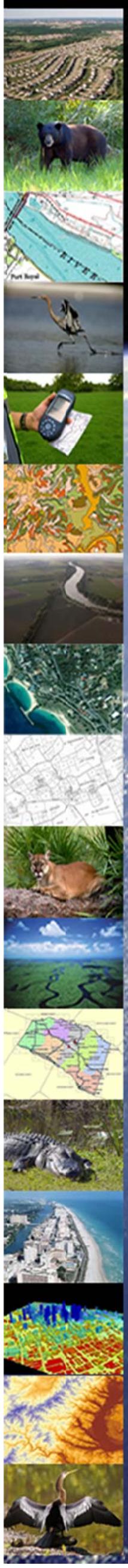
Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

APPENDIX E

SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER WELL SURVEY

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



AREA OF INTEREST REPORT No.: 20140605-1

Name: URS Phase I ESA Well Search 1

AREA OF INTEREST STANDARD REPORT No.: 20140605-1

Name: URS Phase I ESA Well Search 1

INTRODUCTION

The following Area of Interest Report was prepared by the Regulation Division, Regulatory Support Bureau of the South Florida Water Management District. The project site consists of approximately 711.12 acres of land located in Section 32, Township 43S, Range, 43E, City of West Palm Beach, Palm Beach County, Florida.

The purpose of this report is to document the occurrence of the following features:

ABSTRACT

Permitted Facilities (Wells) E(District) Y(2014) S(SFWMD) SECTION

This data set is known as Water Use Permitting Facilities and consist of wells, pumps and culverts. These facilities are within the 16 counties located in the jurisdictional area of the South Florida Water Management District. The facilities represent a subset of all wells, pumps and culverts associated with Water Use Permits. A Water Use Permit is required for all water uses except single family and duplex use and fire fighting. A Water Use Permit (WUP) allows withdrawal of a specified amount of water, either from the ground or from a lake or river. The water can be used for a public water supply; to irrigate crops, nursery plants or golf courses; or for industrial processes. There are two types of Water Use Permits: general and individual. General permits are issued by District staff. Individual permits are issued by District's Governing Board. Water use is divided into five use types depending on the land use. Many water use permits are for combined use.

The query used to extract this subset is as follows -

select A.permit_no, A.app_no, A.actual_permit_file, A.project_name, L.lu_code, A.acres_served, C.id, C.facinv_type, C.name, C.pumptype_code, C.pump_diameter, C.cul_diameter, C.well_diameter, C.pump_capacity, C.pump_intake_depth, C.pump_intake_elevation, C.invert_elevation, C.pump_coordx, C.pump_coordy, C.well_depth, C.cased_depth, T.usests_code, C.facwlsts_code, W.factypwu_code, Y.name, Z.display_name from admin A, wu_app_facility B, wu_fac_inv C, wu_fac_sts_trk T, wu_fac_sources S, app_landuses L, wu_fac_wu_type W, tl_sources Y, app_reviewers X, tl_reviewers Z where A.app_no = L.admin_app_no and A.app_no = B.admin_app_no and B.facinv_id = C.id and L.use_priority = 1 and C.id = T.facinv_id(+) and C.id = S.facinv_id(+) and W.facinv_id(+) = C.id and S.source_id = Y.id and ((A.ACTIVE_MOD = 'Y') or (NVL(A.final_action_date,sysdate-16) >= (sysdate-15))) and A.permit_no like %county_num% and A.app_no = X.admin_app_no and X.rev_sys_id = Z.sys_id and T.end_date is null and X.rev_type = 'WU'

DISCLAIMER

This data is a conceptual tool utilized for project development and implementation only. This data is not self executing or binding, and does not otherwise affect the interests of any person including any vested rights or existing uses of real property. Any information, including but not limited to maps and data, received from the SFWMD is provided 'as is' without any warranty and the SFWMD expressly disclaims all express and implied warranties of merchantability and fitness for a particular purpose. The District does not make any representations regarding the use, or the results of the use, of the information provided to you by the District.

Detailed Report of Features in Permitted Facilities (Wells) E(District) Y(2014) S(SFWMD)

APP_NO	PERMIT_NO	PROJECT_NAME	ID	LU_CODE	ACTUAL_PERMIT_FILE	ACRES_SERVED	FAC_NAME	PUMPTYPE_CODE	WELL_DIAMETER	PUMP_CAPACITY	PUMP_INTAKE_DEPTH	PUMP_COORDX	PUMP_COORDY	WELL_DEPTH	CASED_DEPTH	USESTS_CODE	FACWLSTS_CODE	FACTYPWU_CODE	SOURCE_NAME
010406-10	50-04918-W	CENTREPARK MARRIOTT	107175	LAN	GP	0.8	1	CEN	4	32	32	959884	859363	223	189	PRM	E	IRR	Water Table Aquifer
011019-8	50-05204-W	DRP HOLDINGS	113035	LAN	GP	0.82	1	CEN	2	30	30	959050	855905	80	70	PRM	P	IRR	Biscayne Aquifer
011101-2	50-05221-W	CENTREPARK WEST WAREHOUSE	113647	LAN	GP	1	1	CEN	2	30	30	957901	858870	205	195	PRM	E	IRR	Surficial Aquifer System
020614-15	50-05563-W	AMERICAN HEART ASSOCIATION	121077	LAN	GP	0.85	1	CEN	2	30	0	957949	859072	180	170	PRM	E	IRR	Surficial Aquifer System
020816-7	50-05606-W	ENTERPRISE RENT-A-CAR	121817	LAN	GP	1.25	W-1	CEN	2	30	30	957561	858266	100	90	PRM	P	IRR	Surficial Aquifer System
020830-4	50-05680-W	CENTREPARK WEST FLEX II	123939	LAN	GP	3.44	1	CEN	2	30	30	957909	859210	200	190	PRM	P	IRR	Surficial Aquifer System
021114-8	50-05791-W	PALM BEACH COUNTY BANK	127453	LAN	GP	0.48	1	CEN	3	120	120	958078	859370	150	100	PRM	P	IRR	Surficial Aquifer System
090306-10	50-04755-W	CENTREPARK WEST	131930	LAN	GP	0.8	2	CEN	3	0	0	957700	859360	188	170	TBPA	E	IRR	Water Table Aquifer
040706-8	50-06556-W	1601 BELVEDERE	155318	LAN	GP	8	Well 1	CEN	4	80	80	958005	858453	250	200	PRM	P	IRR	Surficial Aquifer System
041026-10	50-06685-W	CENTREPARK LOT 5 NORTH	160942	LAN	GP	0.4	Well 1	CEN	4	60	10	959931	859509	240	180	PRM	P	IRR	Surficial Aquifer System
050516-7	50-06985-W	BELVEDERE MEDIAN IRRIGATION	174635	LAN	GP	1.78	F	CEN	4	40	40	958730	857730	110	100	PRM	P	IRR	Water Table Aquifer
050516-7	50-06985-W	BELVEDERE MEDIAN IRRIGATIO	174636	LAN	GP	1.78	E	CEN	4	40	40	957500	857790	110	100	PRM	P	IRR	Water Table Aquifer

Detailed Report of Features in Permitted Facilities (Wells) E(District) Y(2014) S(SFWMD)

APP_NO	PERMIT_NO	PROJECT_NAME	ID	LU_CODE	ACTUAL_PERMIT_FILE	ACRES_SERVED	FAC_NAME	PUMPTYPE_CODE	WELL_DIAMETER	PUMP_CAPACITY	PUMP_INTAKE_DEPTH	PUMP_COORDX	PUMP_COORDY	WELL_DEPTH	CASED_DEPTH	USESTS_CODE	FACWLSTS_CODE	FACTYPWU_CODE	SOURCE_NAME
		N																	
050516-7	50-06985-W	BELVEDERE MEDIAN IRRIGATION	174639	LAN	GP	1.78	D	CEN	4	0	0	954700	857880	110	100	TBPA	P	IRR	Water Table Aquifer
050725-20	50-07090-W	PHILLIPS PALM BEACH INC	180443	LAN	GP	1.21	Well 1	CEN	4	120	120	960233	858464	180	160	PRM	P	IRR	Surficial Aquifer System
050516-7	50-06985-W	BELVEDERE MEDIAN IRRIGATION	218905	LAN	GP	1.78	G	CEN	4	40	40	954700	857880	110	100	PRM	P	IRR	Water Table aquifer
100928-20	50-01437-W	P B I A ON-SITE IRRIGATION	224609	LAN	IND	81.2	PBIA_Terminal Lake	SUB	8	300	300	954441	857590	210	185	PRM	E	IRR	Surficial Aquifer System
100928-20	50-01437-W	P B I A ON-SITE IRRIGATION	224610	LAN	IND	81.2	PBIA_Park & Ride	CEN	4	120	120	955510	855901	100	80	PRM	E	IRR	Surficial Aquifer System
090306-10	50-04755-W	CENTREPARK WEST	228368	LAN	GP	0.8	3	CEN	3	50	50	957715	859365	180	170	PRM	E	IRR	Surficial Aquifer System
090810-4	50-09188-W	BRISTOL DRIVE	252173	LAN	GP	0.1	Well 1	CEN	2	20	20	957565	858375	188	178	PRM	E	IRR	Surficial Aquifer System
121128-6	50-10183-W	S C P DISTRIBUTOR	264027	LAN	GP	1.28	Well	CEN	2	40	5	957591	859328	75	55	PRM	P	IRR	Surficial Aquifer System
130826-9	50-10253-W	PBA JOINT VENTURE INC	265110	LAN	GP	0.68	WELL	SUB	4	30	12	957260	859745	210	190	PRM	E	IRR	Surficial Aquifer System
980611-8	50-04054-W	AIRPORT PLAZA	27755	PWS	GP	0.01	1	CEN	2	80	0	954665	858404	80	0	PRM	E	PWS	Surficial Aquifer System
Total number of records: 22																			

WATER USE FACILITIES INFORMATION

For Water Use facility allocation tables (in Microsoft Access format), download the database from the SFWMD FTP site at: ftp://ftp.sfwmd.gov/pub/err_gis/ftp/waterUseExtracts/accdb/.

Data include records such as: Total Annual Allocation, Total Maximum Month Allocation, Total Maximum Day Allocation, Total Average Day, Total Maximum Month Allocation, Total Average Month

APP_PURPOSE	PURPOSE_DESC	PERMIT_TYPE		APP TYPES	Name	Allocation limits	monthly limit /30
CONAG	CONSENT AGREEMENT	WU		GP MIN	Minor General Permit	< 3 MGM	< .1 MGD
DI	DIVERSION & IMPOUNDMENT	WU		GP MAJ	Major General Permit	> 3 MGM <= 15 MGM	> .1 MGD - .5 MGD
DI2	DIV & IMP SECONDARY USER	WU		IND	Individual	> 15 MGM	> .5 MGD
EXTBA	BASIN EXTENSION	WU					
GP	GENERAL PERMIT	WU					
GP MAJ	GENERAL PERMIT - MAJOR	WU					
GP MIN	GENERAL PERMIT - MINOR	WU					
GPREN	GENERAL PERMIT RENEWAL	WU					
INDUS	INDUSTRIAL	WU					
IRR	IRRIGATION	WU					
IRR<20	IRRIGATION < 20 YRS	WU					
IRRAG	AGRICULTURAL IRRIGATION	WU					
IRRAGR	AGR IRRIGATION < 20 YRS	WU					
IRRAL	LAND/NURS/GOLF IRRIGATION	WU					
IRRGF	GOLF IRRIGATION RENEW	WU					
IRRLS	LAND/NURS IRRIGATION REN	WU					
LTRTR1	GP MAJOR LETR MOD W/TRANS	WU					
LTRTRS	LTR MOD W/TRANSFER	WU					
MININ	MINING/DEWATERING	WU					
NPMR	NO PERMIT MOD REQUIRED	WU					
NPR	NO PERMIT REQUIRED	WU					
PREAPP	PRE APPLICATION REVIEW	WU					
PWS	PUBLIC WATER SUPPLY	WU					
STDEW	SHORT-TERM DEWATERING	WU					
TRANS	PERMIT TRANSFER	WU					
TRANS2	PERMIT TRANSFER GP MAJOR	WU					
VAR	VARIANCE	WU					
WULTR	LETTER MOD	WU					
WULTR1	LETTER MOD - GP MAJOR	WU					

lu= landuse code
anl_alloc= annual allocation in million gallons per year
act_mod = active permit
type 'ind' = individual water use permit (larger use)
type "gp" = general permit is smaller use (volume of water withdrawn)- allocations vary by annual or daily allocation- either mgy or mgd.
as of August 2002 the water use permit types (size) changed from Individual (ind) and general permits (gp) to:
Individual permits use > 15 MGM (Ind)
Major General Permits > 3 mgm <= 15 mgm (major gps)
General Permit , 3 mgm (aka minor gp)

county #	name		LANDUSE_CODE	LANDUSE_DESC	PERMIT_TYPE
6	Broward		PWS	PUBLIC WATER SUPPLY	WU
8	Charlotte		REC	RECREATIONAL	WU
11	Collier		AGR	AGRICULTURAL	WU
13	Dade		DEW	DEWATERING	WU
22	Glades		IND	INDUSTRIAL	WU
26	Hendry		LAN	LANDSCAPE	WU
28	Highlands		LIV	LIVESTOCK	WU
36	Lee		MIN	MINING	WU
43	Martin		OTH	OTHER	WU
44	Monroe		GOL	GOLF COURSE	WU
47	Okeechobee		AQU	AQUACULTURE	WU
48	Orange		NUR	NURSERY	WU
49	Osceola		DIV	DIVERSION AND IMPOUNDMENT	WU
50	Palm Beach		WEL	GENERIC (OLD GP'S)	WU
53	Polk		IRR	IRRIGATION	WU
56	St Lucie		ASR	AQUIFER STORAGE AND RECOVERY	WU
			DI2	DIV & IMP SECONDARY USER	WU

APPLICATION TYPES	
APPKIND	**DESCP**
REN	MODIFICATION/RENEWAL
MOD	LETTER MODIFICATION
MOD	MODIFICATION
NEW	PROPOSED
NEW	EXISTING/UNPERMITTED
MOD	MODIFICATION/RENEWAL
NEW	EXPIRED/PREVIOUSLY PERMITTED
REN	RENEWAL
MOD	MODIFICATION/TRANSFER
NEW	LETTER MODIFICATION
NEW	EXISTING/PREVIOUSLY PERMITTED

DISCLAIMER:

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District GIS data is projected in Stateplane feet, Florida East Zone, NAD83.

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All information in the Water Use Regulation database is provisional and subject to revision. The user hereby recognizes that the information, data and materials are dynamic and may change over time without notice. However, the Water Use Regulation Division makes no commitment to update the information, data, apparatus, products, processes or materials contained herein.

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The data have been collected and entered for a wide variety of projects and purposes over a long period of time and the resulting database entries vary in quality and detail. The data represent a combination of measured and reported information. Data users are cautioned to carefully consider the provisional nature of the information before using it for decisions that concern personal or public safety or the conduct of business that involves substantial monetary or operational consequences.

Information about the site locations have been entered into the various computer databases over the decades using the latest maps and location information available at the time. Some locations are updated as necessary, but some older sites may not have had the site information checked or updated since the last update. Information such as latitude and longitude, county, and other data may not be accurate by today's standards or information.

	FACILITY STATUS		
CODE	USE_DESC	PROD_Y_N	COMMENTS
PRM	Primary	Y	
SEC	Secondary	Y	
STD	Standby	Y	
OTH	Other	N	
TBPA	To be Plugged and Abandoned	N	
TST	Test	N	
MON	Monitor	N	
#N/A	N/A	N	For migration data
PROD	Production	Y	
ABN	Abandoned	N	
RCH	Recharge	Y	
ASR	Aquifer Storage and Recovery	Y	
XGSS	Inactivated via RegGSS	N	
INJ	Injection	N	
PNC	Proposed But Never Constructed	N	
	WELL STATUS		
CODE	FACWLSTS_DESC	ACTIVE_FLAG	
E	Existing	Y	
P	Proposed	Y	
A	Abandoned	Y	

FACILITY TYPES	WATER USE FACILITIES = WELLS, PUMPS (=SURFACE WATER PUMPS) CULVERTS	
CODE	FACTYPWU_DESC	ACTIVE_FLAG
AC	Air Conditioning / Withdrawal	Y
ARR	Aquifer Remediation and Recovery	Y
DAI	Dairy	Y
DOM	Single Family	Y
DUP	Duplex	Y
ELS	Elevator Shaft	Y
EMR	Emergency Issue	Y
FIR	Fire	Y
IND	Industrial	Y
IRL	Irrigation Water Replacement	Y
IRR	Irrigation	Y
MND	Mining / Dewatering	Y
MON	Monitor	Y
OLT	Oil / Test	Y
OTR	Other	Y
PWS	Public Water Supply	Y
TSB	Test Boring	Y
TST	Test	Y
#N/A	Unspecified	Y
LIV	Livestock	Y
STG	Staff Gauge	Y
ACR	Air Conditioning / Injection	Y
FRZ	Freeze Protection	Y
ASR	Aquifer Storage and Recovery	Y
RCG	Recharge (unspecified)	Y
DIV	Diversion and Impoundment	Y
AQC	Aquaculture	Y
PH	Swimming Pool Heating / Withdrawal	Y
PHR	Swimming Pool Heating / Injection	Y
BTL	Bottled Water	Y
MON-SW-SG	Monitor / Surface Water Staff Gage	N
SWMS	Surface Water Monitoring Station	Y
RECLAIMED	Reclaimed	Y

LANDUSE_CODE	LANDUSE_DESC	PERMIT_TYPE
PWS	PUBLIC WATER SUPPLY	WU
REC	RECREATIONAL	WU
AGR	AGRICULTURAL	WU
DEW	DEWATERING	WU
IND	INDUSTRIAL	WU
LAN	LANDSCAPE	WU
LIV	LIVESTOCK	WU
MIN	MINING	WU
OTH	OTHER	WU
GOL	GOLF COURSE	WU
AQU	AQUACULTURE	WU
NUR	NURSERY	WU
DIV	DIVERSION AND IMPOUNDMENT	WU
WEL	GENERIC (OLD GP'S)	WU
IRR	IRRIGATION	WU
ASR	AQUIFER STORAGE AND RECOVERY	WU
DI2	DIV & IMP SECONDARY USER	WU

PARTY OF CONCERN	
POC_TYPE	POC_TYPE_DESC
APPL	APPLICANT
OWNR	OWNER
ENGR	ENGR CONSULTANT
AGNT	AGENT
ENVI	ENV CONSULTANT
IRCT	CHECK ISSUE
OPER	OPER ENTITY
ADJO	ADJ OWNER
LESE	LESSEE
DEVL	DEVELOPER
RDLC	RESPONSE/DENY LETTER COPY RECIPIENT
RDLB	RESPONSE/DENY LETTER BLIND COPY RCPT.
CONP	CONTRACT PURCHASER
PROW	PREVIOUS OWNER
ATNY	ATTORNEY
PROJ	PROJECT SITE
PRAP	PREVIOUS APPLICANT
AGIE	AGI ENGINEER
AGIC	AGI REPORTING CONTACT
SPON	SPONSOR
ARCH	ARCHITECT
NPO	NEW PROPERTY OWNER
FIRM	FIRM/ENGINEER OF AN EAA APPLICATION

PERMIT_STATUS	PERMIT_STATUS_DESC
EXPA	THIS APP ONLY EXPIRED/CANCELLED
ACT	ACTIVE
EXPP	ENTIRE PERMIT EXPIRED/CANCELLED
APP_STATUS	**APP_STATUS_DESC**
?	UNKNOWN
COMPLETE	COMPLETE
DEFERRED	DEFERRED
DENIED	DENIED
ENFORCEMENT	ENFORCEMENT
HEARING	HEARING
INITIAL REVIEW	INITIAL REVIEW
LEGAL	LEGAL
NO RESPONSE	NO RESPONSE
PENDING BOT	PENDING BOARD OF TRUSTEES
RESPONSE DENY	RESPONSE DENY
RETURNED	RETURNED
TECH DENY	TECHNICAL DENY
UNDER REVIEW	UNDER REVIEW
VOID	VOID
WAIVER	WAIVER
WITHDRAWN	WITHDRAWN

NAME	SOURCE_TYPE	ID	NAME	SOURCE_TYPE	ID	NAME	SOURCE_TYPE	ID
Floridan Aquifer System	GW	2	LWDD Canal (L-7)	SW	100352	FPFWCD CANAL (NO. 18)	SW	100806
Lower Hawthorn Aquifer	GW	3	LWDD Canal (L-8)	SW	100353	FPFWCD CANAL (NO. 20)	SW	100807
Lower Tamiami Aquifer	GW	4	LWDD Canal (L-9)	SW	100354	FPFWCD CANAL (NO. 5)	SW	100808
Mid-Hawthorn Aquifer	GW	5	Lyons Road Canal	SW	100355	GATOR SLOUGH	SW	100809
Sandstone Aquifer	GW	6	Messer Canal	SW	100356	JACKS BRANCH	SW	100810
Surficial Aquifer System	GW	7	Minute Maid Canal	SW	100357	SFWMD Canal (L-41)	SW	100811
Suwannee Aquifer	GW	8	Mullock Creek	SW	100358	LAKE	SW	100812
Water Table Aquifer	GW	9	Myrtle Slough Canal	SW	100359	LAKE BURDEN	SW	100813
Old GW name	GW	100	Nicholas Canal	SW	100360	LAKE BUTLER	SW	100814
Intermediate Aquifer System	GW	100158	NPBCWCD Canal	SW	100361	LAKE HICPOCHEE	SW	100815
Boulder Zone	GW	100642	NSLRWCD Canal (Unspecified)	SW	100362	LAKE HUCKLEBERRY	SW	100816
Biscayne Aquifer	GW	100760	NSLRWCD Canal (C-107)	SW	100363	M-1 CANAL	SW	100817
Upper Floridan Aquifer	GW	100786	NSLRWCD Canal (C-24)	SW	100364	LAKE MARIAN	SW	100818
Lower Floridan Aquifer	GW	100787	NSLRWCD Canal (C-31)	SW	100365	LAKE OSBORNE	SW	100819
Aquifer Unspecified	GW	100867	NSLRWCD Canal (C-44)	SW	100366	LAKE PIERCE	SW	100820
Barron Collier WCD C-1 Canal No. 2	SW	10	NSLRWCD Canal (C-47)	SW	100367	LAKE TOHOPEKALIGA	SW	100821
Bedmans Creek	SW	12	NSLRWCD Canal (C-52)	SW	100368	LAKE WHIPPORRWILL	SW	100822
Big Sand Lake	SW	13	NSLRWCD Canal (C-53)	SW	100369	CANAL	SW	100823
Blumberg Canal	SW	14	NSLRWCD Canal (C-54)	SW	100370	LINED POND	SW	100824
Cape Coral Freshwater Canal System	SW	15	NSLRWCD Canal (C-55)	SW	100371	LOXAHATCHEE GROVES WCD	SW	100825
Carrell Road Canal	SW	16	NSLRWCD Canal (C-56)	SW	100372	MARCO LAKES	SW	100826
Central Broward Drainage District Canal	SW	17	NSLRWCD Canal (C-57)	SW	100373	SFWMD Miami Canal	SW	100827
Clear Lake	SW	18	NSLRWCD Canal (C-58)	SW	100374	N.S.I.D. CANAL (C-5)	SW	100828
Cocohatchee Canal	SW	19	NSLRWCD Canal (C-59)	SW	100375	SFWMD North New River Canal	SW	100829
Cross Canal	SW	20	NSLRWCD Canal (C-61)	SW	100377	NORTH SPRINGS IMPROVEMENT DISTRICT C4-S	SW	100830
Dog Canal	SW	22	NSLRWCD Canal (C-62)	SW	100378	NSID CANAL	SW	100831
East Lake Tohopekaliga	SW	23	NSLRWCD Canal (C-63)	SW	100379	NSLRWCD CANAL (C-102) WELLPOINT SYSTEM	SW	100832
Emerald Oaks Lake	SW	24	NSLRWCD Canal (C-64)	SW	100380	NSLRWCD CANAL (C-67)	SW	100833
Faka Union Canal	SW	25	NSLRWCD Canal (C-65)	SW	100381	NSLRWCD CANAL (C-72)	SW	100834
Fish Lake	SW	26	NSLRWCD Canal (C-68)	SW	100382	NSLRWCD CANAL (C-76)	SW	100835
Fore Bay	SW	27	NSLRWCD Canal (C-69)	SW	100383	NSLRWCD CANAL (C-80)	SW	100836
FPFWCD Canal	SW	28	NSLRWCD Canal (C-70)	SW	100384	NSLRWCD CANAL (C-89)	SW	100837
FPFWCD Canal (No. 1)	SW	29	NSLRWCD Canal (C-71)	SW	100385	Off-site Canal(s)	SW	100838
FPFWCD Canal (No. 11)	SW	30	NSLRWCD Canal (C-73)	SW	100386	ON-SITE LINED MAN MADE RESERVOIR	SW	100839
FPFWCD Canal (No. 16)	SW	32	NSLRWCD Canal (C-75)	SW	100387	ORANGE RIVER CANAL	SW	100840
FPFWCD Canal (No. 3)	SW	33	NSLRWCD Canal (C-78)	SW	100388	POMPANO CANAL	SW	100841
FPFWCD Canal (No. 7)	SW	34	NSLRWCD Canal (C-82)	SW	100390	LAKE OKEECHOBEE RIM CANAL	SW	100842
FPFWCD Canal (No. 8)	SW	35	NSLRWCD Canal (C-83)	SW	100391	SFWMD CanalL (C-100)	SW	100843
Germany Canal	SW	36	NSLRWCD Canal (C-85)	SW	100392	SFWMD Canal (C-12)	SW	100844
Gladeview Canal	SW	37	NSLRWCD Canal (C-87)	SW	100393	SFWMD Canal (C-38)	SW	100845
Golden Gate Canal	SW	38	NSLRWCD Canal (C-88)	SW	100394	SFWMD Canal (C-39)	SW	100846
Header Canal	SW	40	NSLRWCD Canal (C-90)	SW	100395	SFWMD Canal (C-39A)	SW	100847
Henderson Creek	SW	41	NSLRWCD Canal (C-91)	SW	100397	SFWMD Canal (C-4)	SW	100848
Hendry Canal	SW	42	NSLRWCD Canal (Header)	SW	100398	SFWMD Canal (C-59)	SW	100849
Hendry Hilliard Canal	SW	43	Off-site Lake(s)	SW	100399	SFWMD Canal (C-7)	SW	100850
Herman Canal	SW	44	Okaloacoochee Slough	SW	100400	SFWMD Canal (C-8)	SW	100851
Hillsboro Canal	SW	45	On-site Borrow Pit(s)	SW	100401	SFWMD Canal (L-1)	SW	100852
Hucklebarry Lake	SW	46	On-site Canal(s)	SW	100402	SFWMD Canal (L-3)	SW	100853
Indian Trace Drainage District Canal	SW	47	On-site Lake(s)	SW	100404	SFWMD Canal (L-40)	SW	100854
ITWCD M-1 Canal	SW	48	On-site Lake(s)/Pond(s)	SW	100405	SFWMD Canal (L-42)	SW	100855
Jack Sprat Canal	SW	49	OPWCD Canal	SW	100406	SFWMD Canal (L-62)	SW	100856
Lake Banana	SW	50	Palm Creek	SW	100407	SFWMD Canal (L-7)	SW	100857
Lake Bessie	SW	52	Peacock Canal	SW	100408	TAYLOR CREEK	SW	100858
Lake Big Sand	SW	53	Perimeter Ditch	SW	100409	TOWNSEND CANAL	SW	100859
Lake Blanche	SW	54	Pit	SW	100411	SFWMD Canal (L-28-I) via West Feeder	SW	100860
Lake Britt	SW	55	Pumpkin Hammock Canal	SW	100412	3-S LATERAL CANAL	SW	100861
Old SW name	SW	101	Raulerson Canal	SW	100413	42 FOOT CANAL	SW	100862
Unspecified	SW	99999	Sanibel River	SW	100414	76 AVENUE CANAL	SW	100863
SFWMD Canal (L-21)	SW	100011	Savannah Road Canal	SW	100415	BISCAYNE AQUIFER	SW	100864
SFWMD Canal (L-8) Tieback	SW	100018	SFWMD Canal (C-1)	SW	100416	LWDD Canal (L-1)	SW	100868
Water Table aquifer	SW	100024	SFWMD Canal (C-103)	SW	100417	LWDD Canal (L-2)	SW	100869
Oleta River	SW	100065	SFWMD Canal (C-11)	SW	100418	LWDD Canal (L-4)	SW	100870
SFWMD Canal (L-59)	SW	100078	SFWMD Canal (C-13)	SW	100419	LWDD Canal (L-5)	SW	100871
SFWMD Canal (L-60)	SW	100079	SFWMD Canal (C-14)	SW	100420	LWDD Canal (L-6)	SW	100872
SFWMD Canal (L-61)	SW	100080	SFWMD Canal (C-15)	SW	100421	LWDD Canal (L-7W)	SW	100873
SFWMD Canal (LD-4)	SW	100139	SFWMD Canal (C-16)	SW	100422	LWDD Canal (L-11)	SW	100874
SFWMD Canal (C-41)	SW	100145	SFWMD Canal (C-18)	SW	100423	LWDD Canal (L-11W)	SW	100875
SFWMD Canal (C-41A)	SW	100146	SFWMD Canal (C-2)	SW	100424	LWDD Canal (L-15W)	SW	100876
Lake Istokpoga/Indian Prairie Canal System	SW	100175	SFWMD Canal (C-20)	SW	100425	LWDD Canal (L-19W)	SW	100877
SFWMD Canal (L-50)	SW	100237	SFWMD Canal (C-23)	SW	100426	LWDD Canal (L-22)	SW	100878
Catfish Creek	SW	100260	SFWMD Canal (C-24)	SW	100427	LWDD Canal (L-23W)	SW	100879
BCB Airport Road Canal	SW	100277	SFWMD Canal (C-25)	SW	100428	LWDD Canal (L-27W)	SW	100880
D-2 Canal	SW	100285	SFWMD Canal (C-3)	SW	100429	LWDD Canal (L-31W)	SW	100881
FPFWCD Canal (No. 14)	SW	100286	SFWMD Canal (C-31)	SW	100430	LWDD Canal (L-32W)	SW	100882
Lake Barton	SW	100287	SFWMD Canal (C-40)	SW	100431	LWDD Canal (L-36 1/2 W)	SW	100883
Lake Chase	SW	100288	SFWMD Canal (C-42)	SW	100432	LWDD Canal (L-38W)	SW	100884
Lake Crescent	SW	100289	SFWMD Canal (C-43)	SW	100433	LWDD Canal (L-40E)	SW	100885
Lake Hancock	SW	100290	SFWMD Canal (C-44)	SW	100434	LWDD Canal (L-40W)	SW	100886
Lake Hart	SW	100292	SFWMD Canal (C-51)	SW	100435	LWDD Canal (L-43)	SW	100887
Lake Little Sand	SW	100293	SFWMD Canal (C-54)	SW	100436	LWDD Canal (L-43W)	SW	100888
Lake Mac	SW	100294	SFWMD Canal (C-6)	SW	100437	LWDD Canal (E-2 1/2)	SW	100889
Lake Mohave	SW	100295	SFWMD Canal (C-9)	SW	100438	LWDD Canal (E-3 1/2-8)	SW	100890
Lake Okeechobee	SW	100296	SFWMD Canal (L-10)	SW	100439	LWDD Canal (E-2 1/2-2)	SW	100891
Lake Robert	SW	100297	SFWMD Canal (L-12)	SW	100440	LWDD Canal (E-2 1/2-1)	SW	100892
Lake Serene	SW	100298	SFWMD Canal (L-13)	SW	100442	LWDD Canal (E-3 1/2-E)	SW	100893
Lake Sheen	SW	100299	SFWMD Canal (L-14)	SW	100443	LWDD Canal (E-3 1/2-4)	SW	100894
Lake Speer	SW	100300	SFWMD Canal (L-15)	SW	100444	LWDD Canal (E-3 1/2-3)	SW	100895
Lake Tara	SW	100301	SFWMD Canal (L-16)	SW	100445	LWDD Canal (E-1W-S)	SW	100896
Lake Tibet-Butler	SW	100302	SFWMD Canal (L-18)	SW	100446	LWDD Canal (E-3 1/2-1)	SW	100897
Lake Tucker	SW	100303	SFWMD Canal (L-19)	SW	100448	LWDD Canal (E-3 1/2-2)	SW	100898
Lehigh Canal	SW	100304	SFWMD Canal (L-20)	SW	100449	On-site Reservoir	SW	100899
Little Lake Sawyer	SW	100305	SFWMD Canal (L-24)	SW	100450	Lake Istokpoga	SW	100900
LWDD Canal	SW	100306	SFWMD Canal (L-25)	SW	100451	Spring Lake	SW	100901
LWDD Canal (E-1)	SW	100307	SFWMD Canal (L-36)	SW	100452	On-site Lined Lake	SW	100902
LWDD Canal (E-2)	SW	100308	SFWMD Canal (L-47)	SW	100453	Manley Canal	SW	100903
LWDD Canal (E-2-W)	SW	100310	SFWMD Canal (L-49)	SW	100454	West Palm Beach Stub Canal	SW	100904
LWDD Canal (E-3)	SW	100311	SFWMD Canal (L-5)	SW	100455	SFWMD Canal (L-65)	SW	100905
LWDD Canal (E-4)	SW	100312	SFWMD Canal (L-8)	SW	100459	Okeeheelee Park Canal	SW	100906
LWDD Canal (L-10)	SW	100313	SFWMD Canal (North New River)	SW	100460	Cholee Park Canal	SW	100907
LWDD Canal (L-12)	SW	100314	Ten Mile Creek	SW	100461	LWDD Canal (S-1)	SW	100908
LWDD Canal (L-13)	SW	100315	Tidd Canal	SW	100462	LWDD Canal (S-2)	SW	100909
LWDD Canal (L-14)	SW	100316	Tivoli Lake	SW	100463	LWDD Canal (S-3)	SW	100910
LWDD Canal (L-15)	SW	100317	Turnpike Canal	SW	100464	LWDD Canal (S-4)	SW	100911
LWDD Canal (L-16)	SW	100318	Tycoon Canal	SW	100465	LWDD Canal (S-4W)	SW	100912
LWDD Canal (L-17)	SW	100319	Unnamed Canal	SW	100466	LWDD Canal (S-5)	SW	100913
LWDD Canal (L-18)	SW	100320	Water Conservation Area No. 1	SW	100467	LWDD Canal (S-6)	SW	100914
LWDD Canal (L-19)	SW	100321	West Canal	SW	100468	LWDD Canal (S-7)	SW	100915
LWDD Canal (L-20)	SW	100322	Whipporwill Lake	SW	100469	LWDD Canal (S-8)	SW	100916
LWDD Canal (L-21)	SW	100323	Whiskey Creek Canal	SW	100470	LWDD Canal (S-9)	SW	100917
LWDD Canal (L-23)	SW	100324	L-1 Canal	SW	100620	LWDD Canal (S-10)	SW	100918
LWDD Canal (L-24)	SW	100325	Canal No. 300	SW	100630	LWDD Canal (S-11)	SW	100919
LWDD Canal (L-25)	SW	100326	SFWMD Canal C-51	SW	100640	SFWMD Canal (L-37)	SW	100920
LWDD Canal (L-26)	SW	100327	Intracoastal Waterway	SW	100641	SFWMD Canal (L-28)	SW	100921
LWDD Canal (L-27)	SW	100328		SW	100780	Cocohatchee River	SW	100922
LWDD Canal (L-28)	SW	100329	Duda Perimeter Canal	SW	100781	NSLRWCD Canal 38	SW	100923
LWDD Canal (L-29)	SW	100330	ACME Improvement District Canal System	SW	100782	L-405 Canal	SW	100924
LWDD Canal (L-3)	SW	100331	Lake Hatchineha	SW	100783	L-101 Canal	SW	100925
LWDD Canal (L-30)	SW	100332	Thompson Canal	SW	100784	Turkey Lake	SW	100926
LWDD Canal (L-31)	SW	100333	Broward County WCD Canal System	SW	100785	Cocomar Water Control District Canal System	SW	100927
LWDD Canal (L-32)	SW	100334	11 Mile Creek	SW	100788	South Broward Drainage District	SW	100928
LWDD Canal (L-33)	SW	100335	5 Mile Creek	SW	100789	Montgomery Canal	SW	100929
LWDD Canal (L-34)	SW	100336	AIRPORT ROAD CANAL	SW	100790	Reedy Creek	SW	100930
LWDD Canal (L-35)	SW	100337	ALLAPATTAH WATER MANAGEMENT CANAL	SW	100791	I-95 Borrow Canal (St. Lucie County)	SW	100931
LWDD Canal (L-36)	SW	100338	ARBUCKLE CREEK	SW	100792	City of Port St Lucie canal system	SW	100932
LWDD Canal (L-37)	SW	100339	BANANA BRANCH	SW	100793	S-1 Canal	SW	100933
LWDD Canal (L-38)	SW	100340	BARRON COLLIER WCD CANAL (N0.3)	SW	100794	Coral Springs Improvement District Canal	SW	100934
LWDD Canal (L-39)	SW	100341	BAY LAKE	SW	100795	Village of Wellington Canal System	SW	100935
LWDD Canal (L-40)	SW	100342	BOLLES CANAL	SW	100796	South Florida Conservancy District Canal System	SW	100936
LWDD Canal (L-41)	SW	100343	BUTTONWOOD LAKE	SW	100797	Indian Trail Improvement District Canal System	SW	100937
LWDD Canal (L-42)	SW	100344	C B SMITH CANAL	SW	100798	NSLRWCD Canal (C-17)	SW	100938
LWDD Canal (L-44)	SW	100345	SFWMD Canal (C-17)	SW	100799	NSLRWCD Canal (C-60)	SW	100939
LWDD Canal (L-45)	SW	100346	SFWMD Canal (C-19)	SW	100800	Clewiston Drainage District Canal L-16	SW	100940
LWDD Canal (L-46)	SW	100347	SFWMD Canal (C-33)	SW	100801	SFWMD Lake Okeechobee Rim Canal	SW	100941
LWDD Canal (L-47)	SW	100348	Daughtry'S Creek	SW	100802	Sunshine Water Control District East Basin	SW	100942
LWDD Canal (L-48)	SW	100349	DEVIL'S WASH BASIN	SW	100803	Sunshine Water Control District West Basin	SW	100943
LWDD Canal (L-49)	SW	100350	Emperor Canal	SW	100804	SIRWCD Outfall Canal	SW	100944
LWDD Canal (L-50)	SW	100351	ENCON PERIMETER DITCH	SW	100805	SIRWCD East Header Canal	SW	100945
LWDD Canal (L-7)	SW	100352				NPBHWCD Outfall Canal	SW	100946
LWDD Canal (L-8)	SW	100353				ENCON Perimeter Ditch	SW	100947

ABBREVIATION	DESCRIPTION
APP_NO	application number
CASED_DEPTH	casing is a pipe placed in a well to prevent the walls from caving and to seal off drainage, cased depth is the depth (distance in feet) that the casing extends to
FACINV_TYPE	facility inventory type
ID	the SFWMD facility identification number
LU_CODE	land use code
NAME	
PERMIT_NO	permit number
PROJECT_NAME	
PUMP_CAPACITY	the capacity of the pump in gallons per minute (gpm)
PUMP_COORDX	the pump x coordinate
PUMP_COORDY	the pump y coordinate
PWS_DATE	the date of pumpage
RAW_MAX_DAILY_PUMPAGE	the amount raw water
RAW_TOTAL_MONTH_PUMPAGE	the total amount of raw water pumped in one month (usually in million gallons_
REC_TOTAL_ANL_ALLOC	the permit's recommended total annual allocation (in million gallons, mg)
REC_TOTAL_MAX_DAY_ALLOC	the permit's recommended maximum daily allocation (in million gallons, mg)
REC_TOTAL_MAX_MON_ALLOC	the permit's recommended maximum monthly allocation (in million gallons, mg)
REQ_ xxxx	the allocation that the permittee requested
RES xx	the reason (an explanation) for the allocation
STD xxx	standard- the 'industry' standard for a use, for example: livestock use xx gallons of water per day
STATUS	the status of the permit
TREATED_MAX_DAILY_PUMPAGE	the treated water maximum daily pumpage (in mg) usually for a public water supply,
TREATED_TOTAL_MONTH_PUMPA	the treated water total pumpage in one month (in mg) usually for a public water supply,
USE_DESC	use description
WELL_DEPTH	the total depth of the well
WELL_DIAMETER	the diameter of the well
WELL_NO	the well number
REC_PCUR	the project per capita use rate recommended by SFWMD staff (gallons per person per day)
REC_POP	the project population recommended by SFWMD staff

APPENDIX C: MAPS

Disclaimer: This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property. Not a Survey

Road Centerline(Composite)(FL, 2011.FDOT)

Palm Beach County, FL WEST PALM BEACH	Sec/Twp/Rge 32/43/43	Date 06/05/2014	Latitude (DMS): 26° 41m 25s N Longitude (DMS): 80° 4m 38s W	State Plane Coordinates X: 957485.64 Y: 857633.17	

Area of Interest Report
URS Phase I ESA Well Search 1
Permitted Facilities (Wells)

Scale 1:8230

N W E S

0 750 1,500
Feet

sfwmd.gov

South Florida Water Management District
Regulation Division
Regulatory Support Bureau - GIS Section
3301 Gun Club Road
West Palm Beach, Florida 33406
Phone: (561) 682-6687

APPENDIX F

HISTORICAL AERIAL PHOTOGRAPHS

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.12
May 23, 2014

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Date EDR Searched Historical Sources:

Aerial Photography May 23, 2014

Target Property:

1400 North Perimeter Road

West Palm Beach, FL 33406

Year	***Scale***	***Details***	***Source***
1940	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1940	EDR
1964	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1964	EDR
1968	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1968	EDR
1973	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1973	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1975	EDR
1986	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1986	EDR
1991	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Date: January 01, 1991	EDR
1999	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/DOQQ - acquisition dates: February 20, 1999	EDR
2007	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Year: 2007	EDR
2010	Aerial Photograph. Scale: 1"=500'	Panel #: 26080-F1, Palm Beach, FL;/Flight Year: 2010	EDR


INQUIRY #: 3949888.12
YEAR: 1940
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 1964
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 1968
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 1973
= 500'
N
EDR

INQUIRY #: 3949888.12

YEAR: 1975

= 500'

N

EDR


INQUIRY #: 3949888.12
YEAR: 1986
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 1991
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 1999
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 2007
= 500'
N
EDR


INQUIRY #: 3949888.12
YEAR: 2010
= 500'
N
EDR

APPENDIX G

CERTIFIED SANBORN® MAP REPORT

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.3
May 22, 2014

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

5/22/14

Site Name:
PBC Department of Airports
1400 North Perimeter Road
West Palm Beach, FL 33406

Client Name:
URS Corporation
7800 Congress Avenue
Boca Raton, FL 33487

EDR Inquiry # 3949888.3

Contact: Jamie Sullivan

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by URS Corporation were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: PBC Department of Airports Lease Parcel N-11
Address: 1400 North Perimeter Road
City, State, Zip: West Palm Beach, FL 33406
Cross Street:
P.O. # 05212014
Project: PBC Lease Parcel N-11
Certification # 2C91-4BF3-8536

Maps Provided:

1986

Sanborn® Library search results
Certification # 2C91-4BF3-8536

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

URS Corporation (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Sanborn Sheet Thumbnails

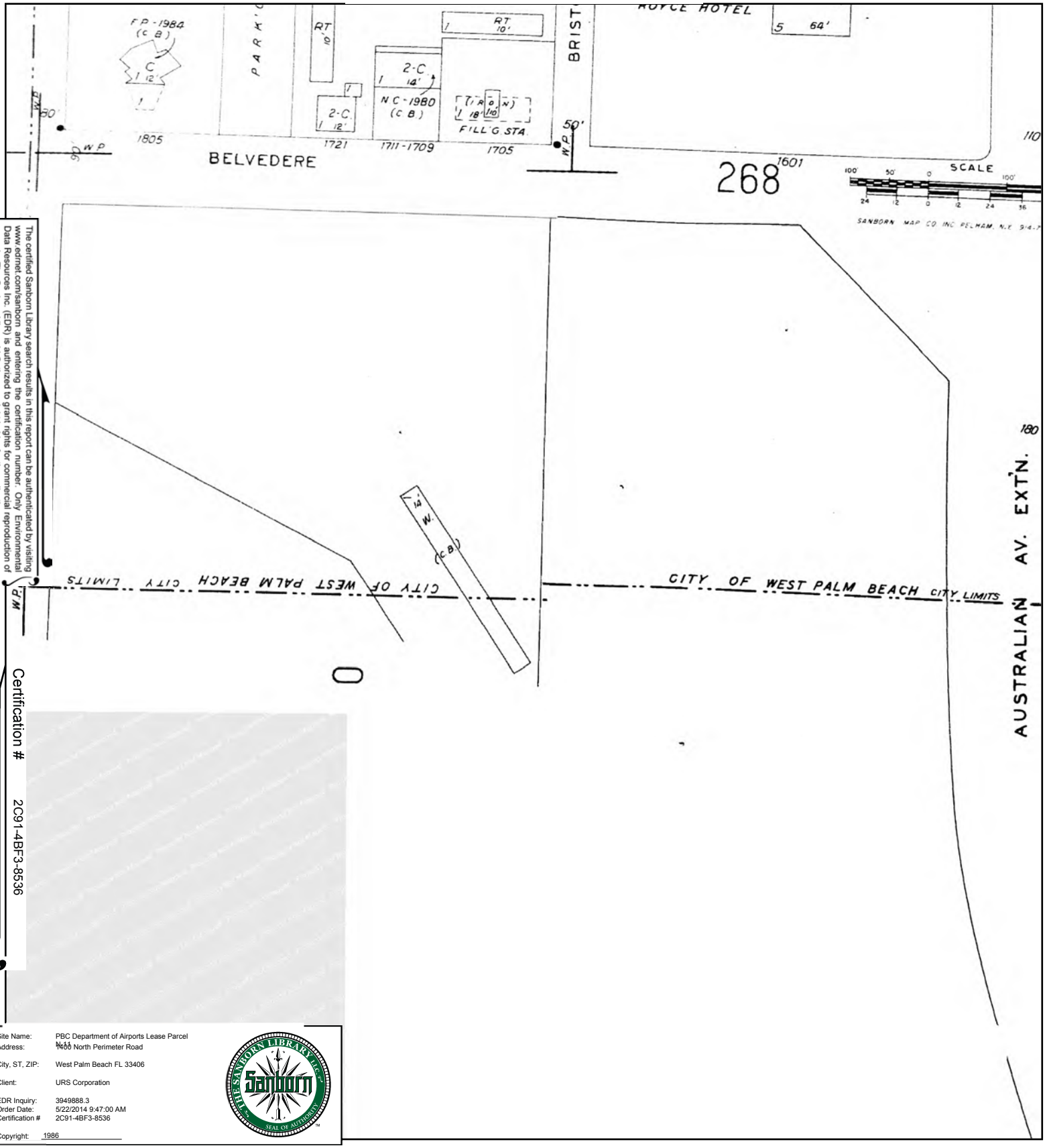
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1986 Source Sheets

Volume 2, Sheet 268

Volume 2, Sheet 269

1986 Certified Sanborn Map

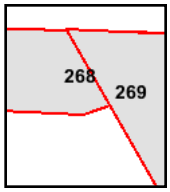


Certification # 2C91-4BF3-8536

Site Name: PBC Department of Airports Lease Parcel
Address: 1400 North Perimeter Road
City, ST, ZIP: West Palm Beach FL 33406
Client: URS Corporation
EDR Inquiry: 3949888.3
Order Date: 5/22/2014 9:47:00 AM
Certification # 2C91-4BF3-8536
Copyright: 1986

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 2, Sheet 268
Volume 2, Sheet 269

N

APPENDIX H

THE EDR-CITY DIRECTORY ABSTRACT REPORT, ENVIRONMENTAL LIEN AND AUL SEARCH REPORT, AND PROPERTY TAX MAP REPORT

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.5
May 21, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill Donnelly Information Services	-	X	X	-
2000	City Publishing Company, Inc	-	-	-	-
1999	Hill-Donnelly Corporation	-	X	X	-
1993	BellSouth Advertising & Publishing Corporation	-	-	-	-
1989	R. L. Polk Co.	-	-	-	-
1988	R. L. Polk & Co.	-	-	-	-
1986	R. L. Polk & Co.	-	-	-	-
1984	R. L. Polk & Co.	-	-	-	-
1983	R. L. Polk & Co.	-	-	-	-
1982	R. L. Polk & Co.	-	-	-	-
1979	R. L. Polk & Co.	-	-	-	-
1977	R. L. Polk & Co.	-	-	-	-
1976	Price & Lee Co.	-	-	-	-
1974	R. L. Polk Co.	-	-	-	-
1973	R. L. Polk & Co.	-	-	-	-
1972	Southern Bell Telephone and Telegraph Company	-	-	-	-
1970	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-
1962	Price & Lee Co.	-	-	-	-
1961	Price & Lee Co.	-	-	-	-
1958	Price & Lee Co.	-	-	-	-
1957	Price & Lee Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1956	Price & Lee Co.	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1952	Southern Directory Co.	-	-	-	-
1951	R. L. Polk & Co.	-	-	-	-
1947	R. L. Polk & Co.	-	-	-	-
1942	R. L. Polk & Co.	-	-	-	-
1937	R. L. Polk & Co.	-	-	-	-
1932	R. L. Polk & Co.	-	-	-	-
1929	Piedmont Directory Co.	-	-	-	-
1924	Piedmont Directory Co.	-	-	-	-
1920	Piedmont Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
Perimeter Road	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1400 North Perimeter Road
West Palm Beach, FL 33406

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

N PERIMETER RD

1334 N PERIMETER RD

Year	Uses	Source
2013	AIRCRAFT SERVICE INTERNATIONAL GROUP	Cole Information Services
2008	AIRCRAFT SERVICE INTERNATIONAL GROUP	Cole Information Services

PERIMETER RD

1334 PERIMETER RD

Year	Uses	Source
2005	Aircraft Service Intl	Hill Donnelly Information Services
1999	AIRCRAFT SERVICE INTL GROUP	Hill-Donnelly Corporation
	AIRCRAFT SERVICE INTL GROUP	Hill-Donnelly Corporation

1343 PERIMETER RD

Year	Uses	Source
2005	Rotuna Crystal C	Hill Donnelly Information Services

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1400 North Perimeter Road	2013, 2008, 2005, 2000, 1999, 1993, 1989, 1988, 1986, 1984, 1983, 1982, 1979, 1977, 1976, 1974, 1973, 1972, 1970, 1965, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1947, 1942, 1937, 1932, 1929, 1924, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1334 N PERIMETER RD	2005, 2000, 1999, 1993, 1989, 1988, 1986, 1984, 1983, 1982, 1979, 1977, 1976, 1974, 1973, 1972, 1970, 1965, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1947, 1942, 1937, 1932, 1929, 1924, 1920
1334 PERIMETER RD	2013, 2008, 2000, 1993, 1989, 1988, 1986, 1984, 1983, 1982, 1979, 1977, 1976, 1974, 1973, 1972, 1970, 1965, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1947, 1942, 1937, 1932, 1929, 1924, 1920
1343 PERIMETER RD	2013, 2008, 2000, 1999, 1993, 1989, 1988, 1986, 1984, 1983, 1982, 1979, 1977, 1976, 1974, 1973, 1972, 1970, 1965, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1947, 1942, 1937, 1932, 1929, 1924, 1920

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.7
May 28, 2014

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

1400 North Perimeter Road
PBC Department of Airports Lease Parcel N-11
West Palm Beach, FL 33406

RESEARCH SOURCE

Source 1:

Palm Beach County Recorder
Palm Beach, FL

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	Palm Beach County
Title received from:	Hess Corp.
Deed Dated	10/15/2010
Deed Recorded:	10/19/2010
Book:	24146
Page:	438
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	Palm Beach County
Parcel # / Property Identifier:	00-43-43-32-00-000-1090, 74-43-43-32-00-000-1050
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

WC#89 Return To:
SOUTHEAST GUARANTY & TITLE, INC.
1645 PALM BEACH LAKES BLVD., SUITE 160
WEST PALM BEACH, FLORIDA 33401
2805-057

CFN 20100397165
OR BK 24146 PG 0438
RECORDED 10/19/2010 12:42:50
Palm Beach County, Florida
AMT 295,000.00
Doc Stamp 2,065.00
Sharon R. Bock, CLERK & COMPTROLLER
Pgs 0438 - 443; (6pgs)

PREPARED BY AND RETURN TO:
DAVID KUZMENKO, REAL ESTATE SPECIALIST
PALM BEACH COUNTY
PROPERTY & REAL ESTATE MANAGEMENT DIVISION
2633 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411-5605

PCN: 00-42-43-36-05-000-0010

PURCHASE PRICE: $295,000.00
CLOSING DATE: OCTOBER 15, 2010

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 15th day of October, 2010, between **HESS CORPORATION**, a Delaware corporation, whose post office address One Hess Plaza, Woodbridge, New Jersey 07095-1229 ("Grantor") and **PALM BEACH COUNTY**, a political subdivision of the State of Florida, whose post office address is 301 North Olive Avenue, West Palm Beach, Florida 33401-4791 ("Grantee").

W I T N E S S E T H:

THAT Grantor, for and in consideration of the sum of Ten and 00/100's ($10.00) Dollars to it in hand paid by Grantee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has granted, bargained, and sold to Grantee, its successors and assigns forever, all that certain land situate in Palm Beach County, State of Florida, to wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

(the "Property")

TOGETHER, with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

As a material inducement to Grantor to convey the Property to Grantee and as part of the consideration for this conveyance, Grantor hereby imposes the following restriction on the permitted uses of the Property for the period set forth in subparagraph (c) below (the "Restriction Period") and Grantee, for itself and its successors and assigns, agrees to abide by such restriction and not to permit the Property to be used for the proscribed purposes during the Restriction Period. Grantee, for itself and its successor and assigns, accepts this conveyance subject to such restriction as a covenant running with the title to the Property for the entire duration of the Restriction Period.

(a) Subject to the exceptions and exclusions set forth in subparagraph (b) below, the Property shall not be used for the operation of a retail convenience store or for the retail sale or storage of any petroleum or petroleum derivative fuels or lubricants on or from the Property.

(b) Notwithstanding the foregoing, Grantor acknowledges and agrees that nothing in the restriction set forth in subparagraph (a) above shall be deemed to be a prohibition or restriction against, or interfere with, the sale or storage of fuel for aviation-related purposes by Grantee or its successors and assigns, including, without limitation, by its concessionaires and fixed base operators, for purposes which include: (i) the storage of fuels, petroleum or petroleum derivative fuels or lubricants in an aviation "fuel farm"; (ii) the sale or distribution of aviation fuels, petroleum or petroleum derivative fuels or lubricants to customers and users of the Palm Beach International Airport ("Airport"); (iii) the storage or distribution of non-aviation related fuels, petroleum or petroleum derivative fuels or lubricants for non-retail purposes, in support of aviation-related activities, including, without limitation, ground support equipment, or in support of an Airport concessionaire, including, without limitation, a rental car facility; or (iv) a retail operation primarily associated with the Airport terminal or a fixed base operator at the Airport.

(c) The foregoing restriction shall expire, terminate and be of no further force or effect, without any further act or instrument being required, on the date which is thirty (30) years from the date of recording of this instrument. The foregoing restriction may also be released and terminated by recording a waiver and termination of such restriction, executed by Grantor or its successors in interest.

AND Grantor does hereby specially warrant the title to said land, and will defend the same, subject to the matters listed on Exhibit "B" attached hereto as a part hereof, against the lawful claims of all persons claiming by, through or under Grantor and no others.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness Signature

JOHN M. ROCKWELL
Witness Name Printed

Witness Signature

H.A.L AUTENBAEHER
Witness Name Printed

Grantor:

HESS CORPORATION
a Delaware corporation

By: _____
Timothy J. O'Connor, Vice President
Marketing & Refining Real Estate
Marketing & Refining Division

10/13/10
Date of Execution

(SEAL)

STATE OF NEW JERSEY
COUNTY OF MIDDLESEX

The foregoing instrument was acknowledged before me this 13th day of October, 2010, by Timothy J. O'Connor, the Vice President, Marketing & Refining Real Estate, of the Marketing & Refining Division of Hess Corporation, a Delaware corporation, (✓)who is personally known to me OR ( )who has produced_____as identification and who (✓)did ( )did not take an oath.

_____
Notary Public, State of New Jersey

JOAN P. CHAPMAN
ID # 2385422
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 5/7/2014

_____
Print Notary Name

Commission Number_____
My Commission Expires:_____

(Stamp/Seal)

Approved by the Palm Beach County
Board of County Commissioners
on 8/17/10 R2010-1328

_____
County Attorney or Designee

EXHIBIT "A"
TO
SPECIAL WARRANTY DEED

The "Property"

Lots 1 and 17, Less the West 10 feet thereof, and the West 10 feet of Lots 2 and 16, COUNTRY CLUB ADDITION No. 3, according to the Plat thereof on file in the Office of the Clerk of the Circuit Court in and for Palm Beach County, Florida, recorded in Plat Book 24, Page 105.

EXHIBIT "B"
TO
SPECIAL WARRANTY DEED

1. Lot dimensions and easements as shown on the plat of COUNTRY CLUB ADDITION NO. 3 recorded in Plat Book 24, Page 105.

2. Easements and rights of way in favor of the United States of America as shown in U.S. District Court Case No. 6400 M Civil Judgment Lien Book 9, Page 73, as amended in Official Record Book 177, Page 658.

3. Resolution fixing setback requirements for Military Trail recorded in Deed Book 1145, Page 510.

4. Easements and building setback restrictions recorded in Official Record Book 176, Page 234 and Official Record Book 988, Page 156.

NOTE: All recording references contained herein are in the Public Records of Palm Beach County, Florida.

G:\Development\Open Projects\DOA-West of Runway 9-L Acquisitions\Hess (Parcel W-325)\Closing Documents\Special Warranty Deed.doc

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.6
May 21, 2014

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

APPENDIX I

HISTORICAL TOPOGRAPHIC MAPS

PBC Department of Airports Lease Parcel N-11
1400 North Perimeter Road
West Palm Beach, FL 33406

Inquiry Number: 3949888.4
May 22, 2014

EDR Historical Topographic Map Report

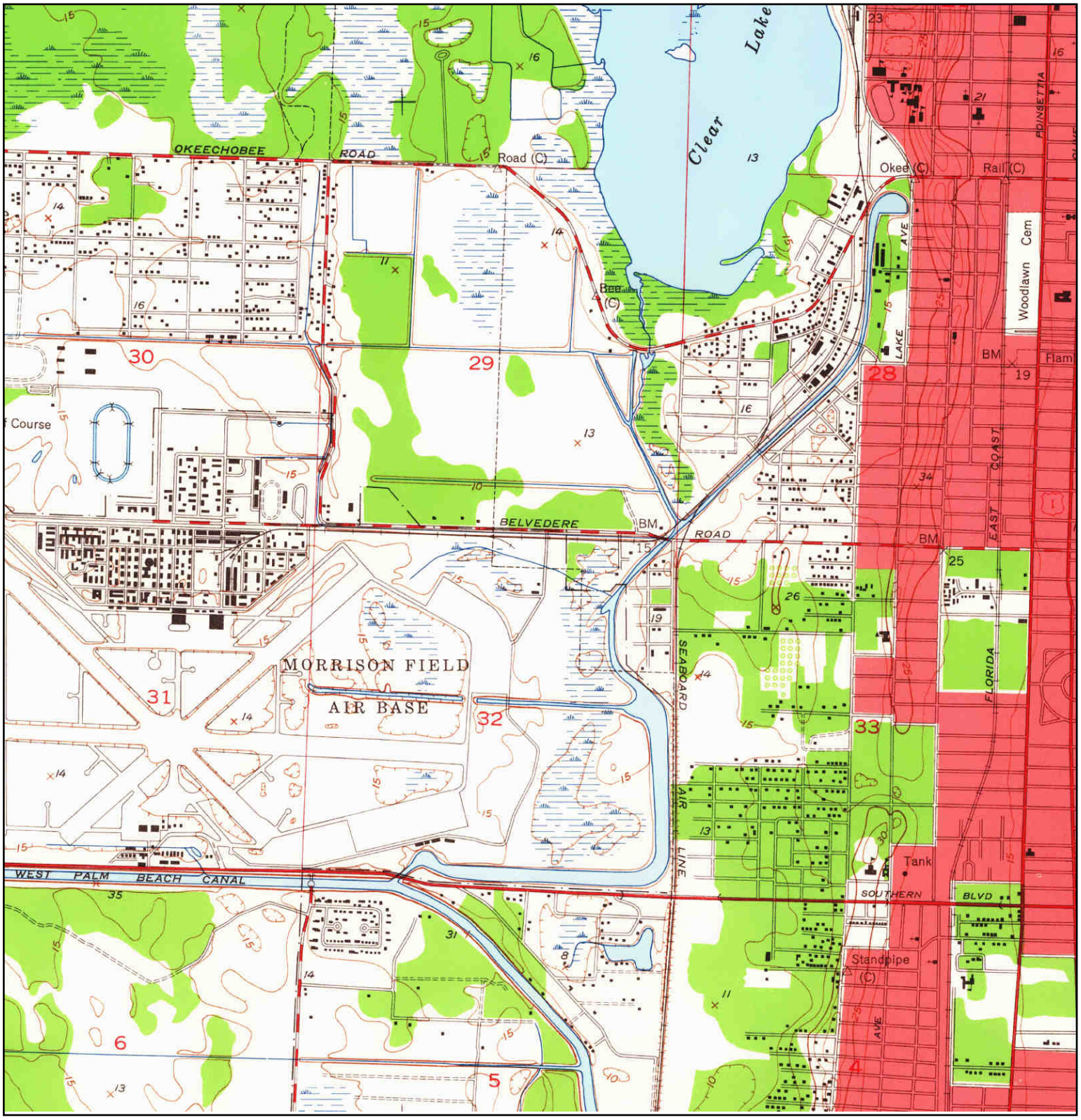
6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

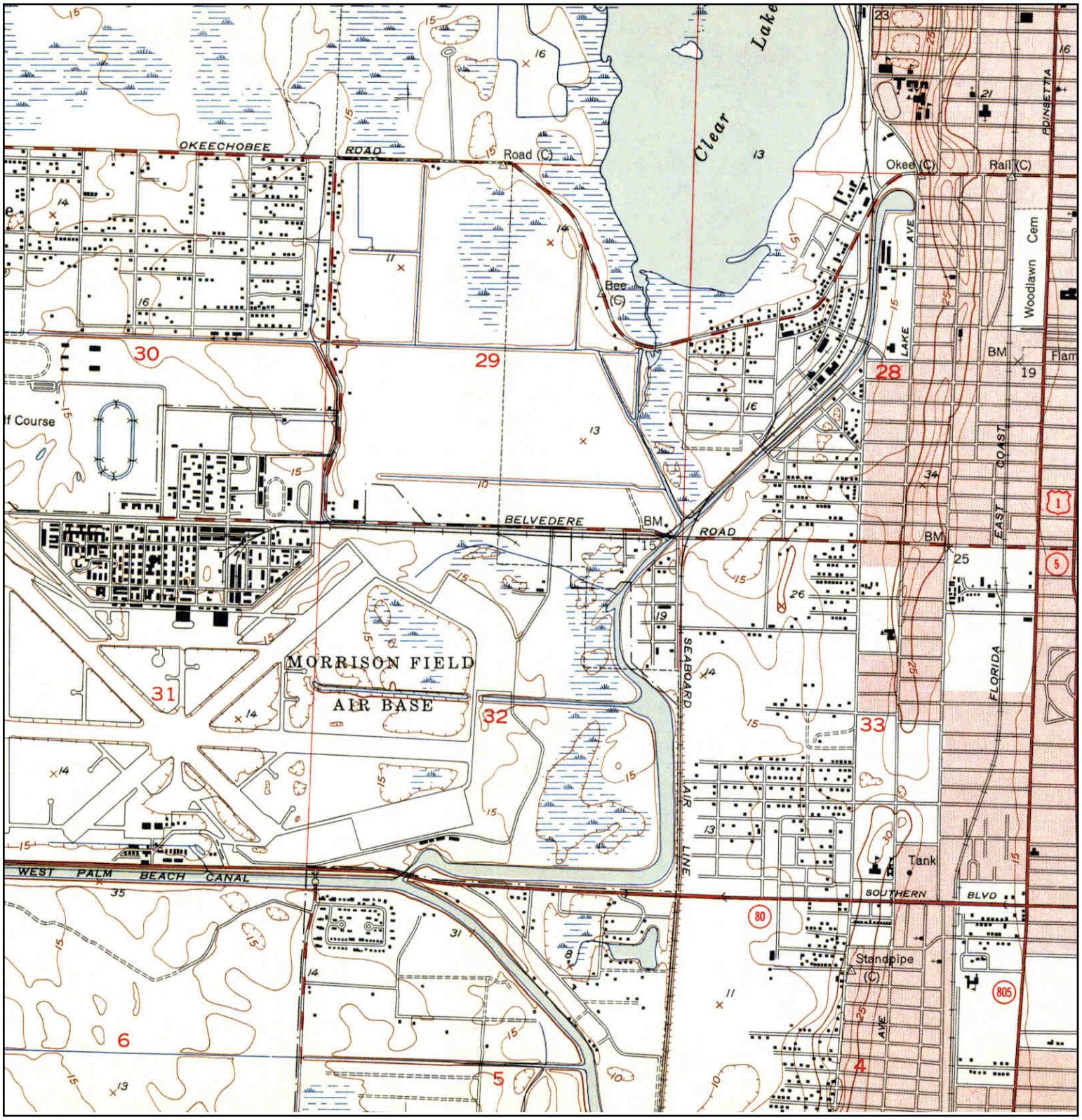
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Historical Topographic Map



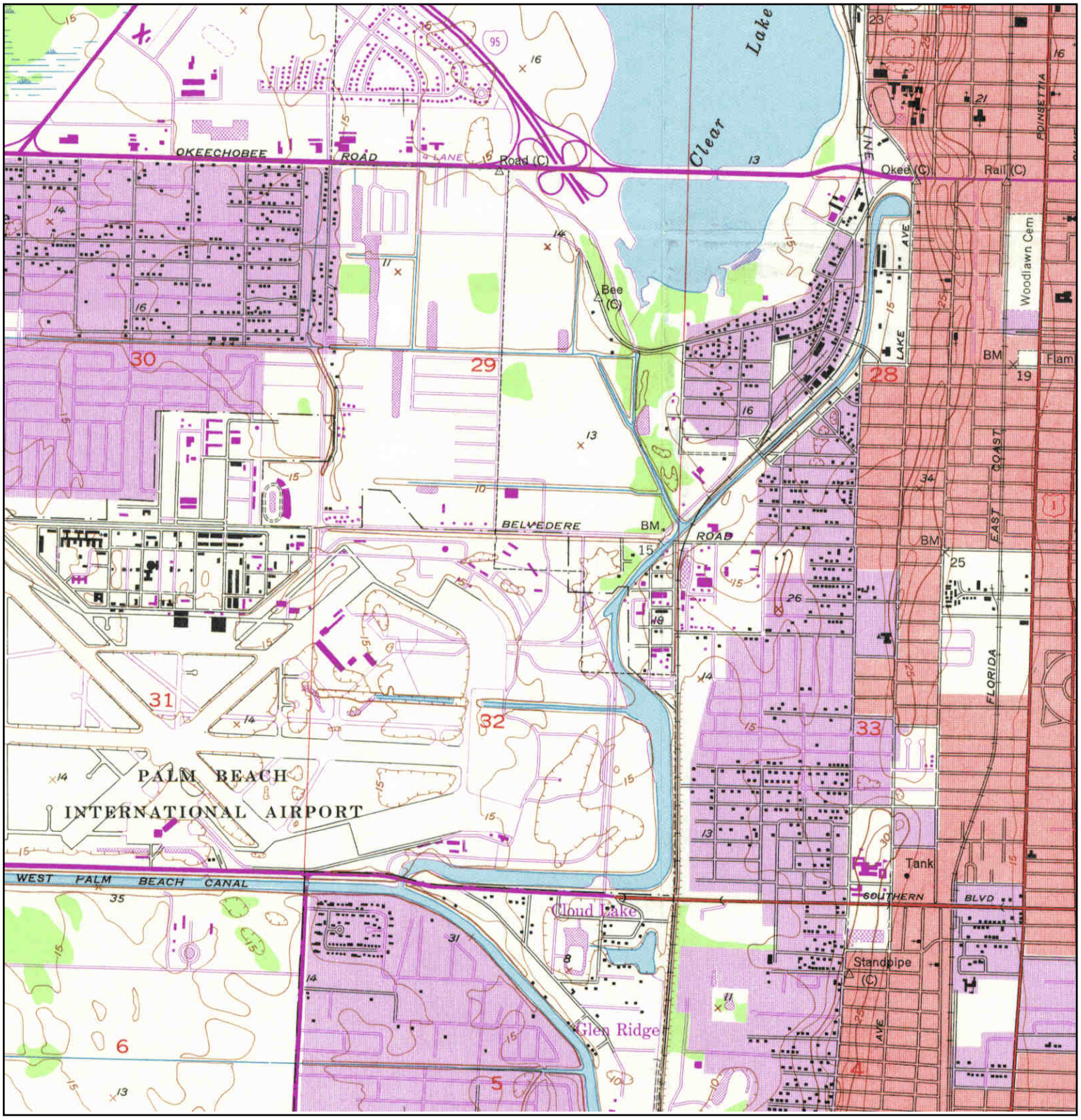
N	TARGET QUAD NAME: PALM BEACH MAP YEAR: 1946 SERIES: 7.5 SCALE: 1:24000	SITE NAME: PBC Department of Airports Lease Parcel N-11 ADDRESS: 1400 North Perimeter Road West Palm Beach, FL 33406 LAT/LONG: 26.6896 / -80.077	CLIENT: URS Corporation CONTACT: Jamie Sullivan INQUIRY#: 3949888.4 RESEARCH DATE: 05/22/2014

Historical Topographic Map



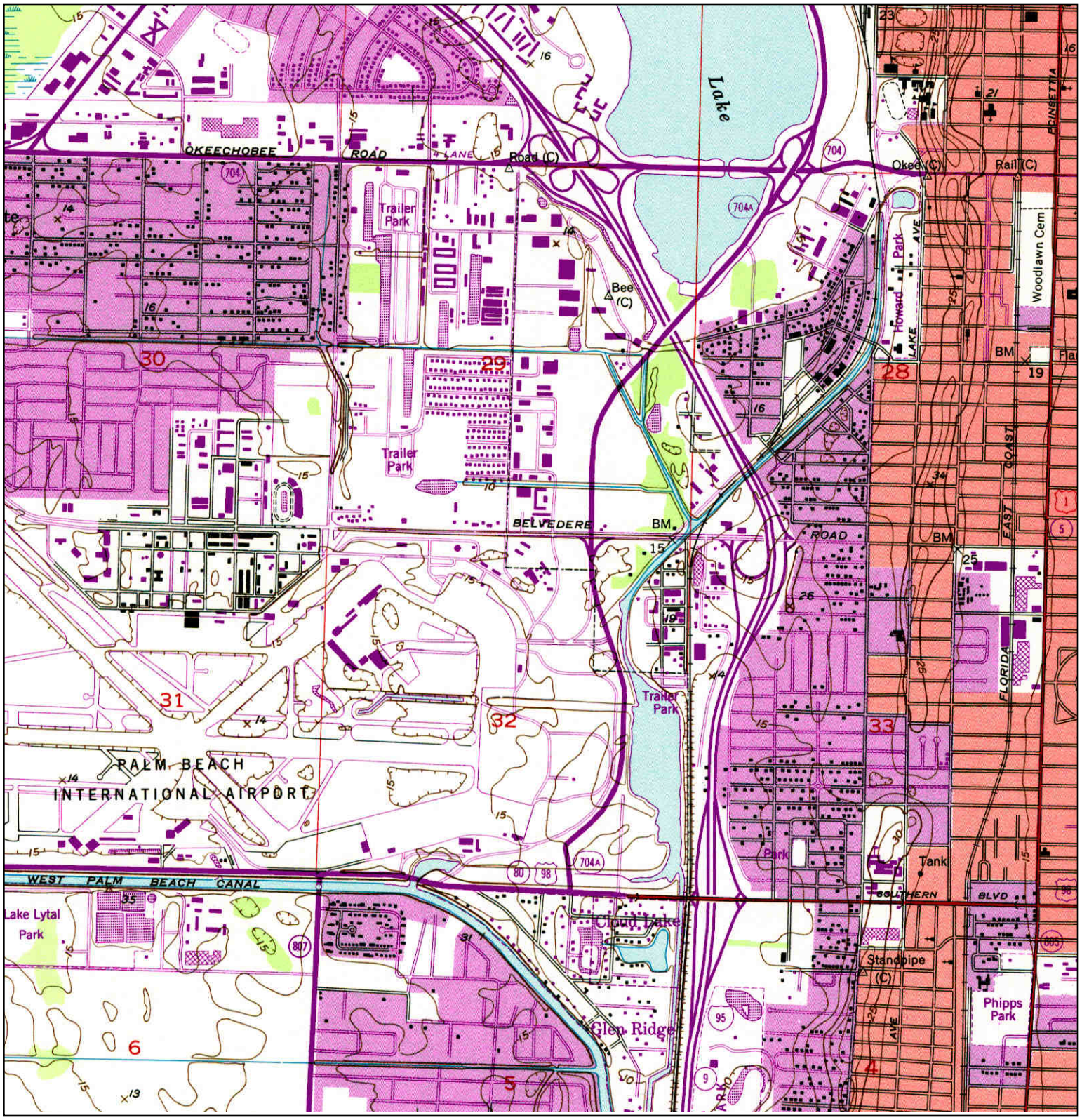
N	TARGET QUAD					
	NAME:	PALM BEACH	SITE NAME:	PBC Department of Airports Lease Parcel N-11	CLIENT:	URS Corporation
	MAP YEAR:	1950	ADDRESS:	1400 North Perimeter Road West Palm Beach, FL 33406	CONTACT:	Jamie Sullivan
	SERIES:	7.5	LAT/LONG:	26.6896 / -80.077	INQUIRY#:	3949888.4
	SCALE:	1:24000			RESEARCH DATE:	05/22/2014

Historical Topographic Map



N	TARGET QUAD		SITE NAME:	PBC Department of Airports Lease Parcel N-11	CLIENT:	URS Corporation
	NAME:	PALM BEACH			CONTACT:	Jamie Sullivan
	MAP YEAR:	1967	ADDRESS:	1400 North Perimeter Road West Palm Beach, FL 33406	INQUIRY#:	3949888.4
	PHOTOREVISED FROM :	1946			RESEARCH DATE:	05/22/2014
	SERIES:	7.5	LAT/LONG:	26.6896 / -80.077		
	SCALE:	1:24000				

Historical Topographic Map



N	TARGET QUAD					
	NAME:	PALM BEACH	SITE NAME:	PBC Department of Airports Lease Parcel N-11	CLIENT:	URS Corporation
	MAP YEAR:	1983	ADDRESS:	1400 North Perimeter Road West Palm Beach, FL 33406	CONTACT:	Jamie Sullivan
	PHOTOREVISED FROM :	1946			INQUIRY#:	3949888.4
	SERIES:	7.5	LAT/LONG:	26.6896 / -80.077	RESEARCH DATE:	05/22/2014
	SCALE:	1:24000				

APPENDIX J

INFORMATION TRANSMITTAL FORM

URS

Phase I Environmental Site Assessment (ESA)
Information Transmittal Form

1. Users.

The Users of the ESA (i.e., those seeking to qualify for CERCLA protections) for the Former Palm Tran Facility, 1440 North Perimeter Road, West Palm Beach, Florida 33406 (Lease Parcel N-11 – Palm Beach International Airport – Project 14788.00) (the "Property") should be identified in the Phase I ESA as follows {C*heck those applicable*}:

_X__ Palm Beach County Facilities Development & Operations

_X__ Others {*identify all*} _____PBC Department of Airports_____

2. Documents and Information.

Listed below are the documents and information that the User has obtained and that are being transmitted to URS with this Information Transmittal Form for use in performing the ESA. *{List documents or check No documents.}*:

Documents: __Documents will be sent via email._____

**** To the extent that any information responsive to the remainder of the questions set forth below in this Information Transmittal Form is already presented in the above-referenced documents, then the questions below shall be interpreted as asking whether User has any additional information beyond that set forth in the documents and, if User does not, then it should check "No" in response to the question.**

___ No documents are being transmitted with this Form.

3. Specialized Knowledge.

Does the User of this ESA have any specialized knowledge or experience related to the Property or nearby properties relevant to the ESA inquiry? For example, is the User involved in the same line of business as the current or former occupants of the property or an adjoining property, so that you would have specialized knowledge of the chemicals and processes used by this type of business? *{Check one option below and, if response is Yes, identify information.}*

___ No

__X_ Yes *{Provide information}*___Documentation regarding closure activities and other information will be forwarded via email._____

4. Relationship of Purchase Price to Fair Market Value.

Has User considered (i) whether the purchase price of the Property reasonably reflects the fair market value ("FMV") of the Property, if the Property were not contaminated and (ii) if the purchase price does not reasonably reflect the FMV of the Property if uncontaminated, whether the differential is due to the presence of releases or threatened releases of hazardous substances? (Note that AAI Standards require User to consider.) *{Check one option below and provide explanation as directed.}*

_X__ No, User has not considered. *Parcel is not being bought or sold*

___ Yes, User has considered, but WILL NOT share the information with URS.

If User has considered, but will not share the information with URS, then User should document its inquiry in its own records. Has User documented this inquiry?

___ Yes ___ No

___ Yes, User has considered and WILL share the information with URS.

If User has considered and will share the information with URS, then check one option below and provide the additional requested information.

___ Purchase price being paid for the Property DOES reasonably reflect the FMV of the Property, if the Property were not contaminated. *{Provide or describe the information that User considered.}*

___ Purchase price being paid for the Property DOES NOT reasonably reflect the FMV of the Property, if the Property were not contaminated.
{Provide or describe the information that User considered and explain whether or not the differential in purchase price and FMV is or may be due to the presence or release or threatened releases of hazardous substances. Identify any other explanation(s) for a lower purchase price which does not reasonably reflect FMV if the Property were not contaminated.}

_____
_____
_____
_____
_____

Note: Determination of FMV does not require a real estate appraisal, but basis for FMV determination should be documented and retained by the User.

5. Commonly Known or Reasonably Ascertainable Information

Is the User aware of commonly known or reasonably ascertainable information with the local community about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? *{Check one option below and, if response is Yes, provide information.}*

___ No

__X_ Yes *{Provide information}*__Documents associated with the facility will be provided via email. __
_____
_____
_____
_____

Note: Information helpful to the environmental professional may include:
- *past uses of the Property*
- *specific chemicals that are present or once were present at the Property*
- *spills or chemical releases that have taken place at the Property*
- *any environmental cleanups that have taken place at the Property*

6. Obvious Indicators

As the User of this ESA, based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination at the Property? *{Check one option below and, if response is Yes, provide information.}*

___ No

_X__ Yes *{Provide information}*_____Discharge accepted into State EDI program in August 1988 FDEP FAC ID No. 8514018_____
_____
_____
_____
_____

APPENDIX K

QUESTIONNAIRE FOR PHASE I ENVIRONMENTAL SITE ASSESSMENTS

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND
MATERIAL COMPLIANCE EVALUATION
SITE RECONNAISSANCE QUESTIONNAIRE

Site Inspector: Jamie R. Sullivan **URS Office:** Boca Raton

Date of Inspection: _____

Name of Property: PBIA Lease Parcel N-11

Inquire if there are any alarms or safety precautions that you need to know about the site. Get a copy of a site plan to mark-up and use during interviews.

Please take digital photographs during the reconnaissance. Please catalog the pictures - a sheet is attached for your use. **IMPORTANT NOTE: Please take a flash light and pry bar into the field with you - any manhole covers, monitoring well or UST fill port lids, or suspect oil-water separator covers must be lifted to inspect underneath.**

Please complete the Questionnaire to the Best of your Knowledge. Feel free to leave questions blank or edit completed answers. Additionally, complete the attached Table 1 and Table 2 to the Best of your Knowledge.

1. Facility name and address including zip code and county

   PBIA Lease Parcel N-11. 1440 N. Perimeter Road, WPB, FL 33406

2. Identify all necessary contacts onsite

Name	Title	Phone # (mobile or office)
1. Southeastern Florida Transportation Group, LLC - Licensee for a small portion of Building 1440 as a breakroom and staging area for taxi concession at PBIA. Contact: Joe Davis, 561-242-6401		
2. Enterprising Leasing Company, LLC – licensee for a portion of the rear parking area for overflow storage of vehicles		
3.		
4.		
5.		
6.		

3. Site layout: prepare or obtain a sketch of the site. Please indicate the approximate scale and show outlines of all site buildings, site boundaries, roads, parking areas, areas of existing or potential contamination, sensitive areas: wells, drums, transformers, pits, sumps, and dry wells. Show locations of asbestos samples if a blueprint is not available for noting locations. Indicate immediately surrounding land uses by name of establishment.

   Site Acreage: _28.12 Acres

   Site Development Date: _____

   Site Buildings: ___Building history is unknown to PBIA_____

Name	Number of stories	Dimensions	Square Footage	Year Built

4. Past use of the site, buildings or land (Please indicate the source of the information):

The most recent use of the site and building was classroom usage by Palm Beach Community College for the Fire Academy. The lease ran from approximately 2001 thru 2008.

5. Does the site contact have any historic documentation such as title search, etc. (please attach relevant historic information) **TITLE COMMITMENT ATTACHED.**

6. The general topography of the site area is:

slightly / relatively / very flat / rolling / hilly

other: _____

with surface drainage appearing to flow to the N S E W

Was the site constructed on fill? y / n / unknown_____

If so, what was the source of fill. _____

Any suspected contamination associated with the fill?

7. Are the following located on or adjacent to the subject site?

Surface water: _____

Wetlands: _____

Floodplains: _____

Parklands: _____

Sensitive habitats: _____

8. Please list current onsite activities, including asking the following questions:

Is equipment washed onsite? If so, where? o_____

Is maintenance conducted onsite? If so, what types? o _____

Is fueling conducted onsite? o

9. Site Area:

General site area is (circle) residential commercial light industrial rural

Other:

Adjacent roadways and properties. Provide the name, address, and zip code of all adjoining properties, including roadways. Identify sites within the vicinity of the subject site that represent a potential threat or concern to the subject site. Verify that the sites identified by the environmental database report are located correctly (if applicable).

North:

South:

East:

West:

Indicate any current or historic surrounding land uses that have the potential to impact the site; indicate the source of the information:

10. Observations of potential environmental issues: (stressed vegetation, indications of liquid or solid waste dumping or disposal, discolored flowing or ponded waters, evidence of groundwater monitoring wells or remedial activities, abnormal odors, the presence of unnatural fill material or soil grading):

11. Obtain any available geotechnical, soil borings, or well reports.

12. Are any known landfills located within a 1.0-mile radius of the site?

13. Has the facility ever been named as a "potentially responsible party" (PRP) for a Superfund site?_____

SIC Codes: _____ _____ _____ _____ _____

Attach Block Process Flow Diagram Of Processes Where Applicable and Available.

Mechanical Areas have the following:

Building heat is by: _____
Building cooling is by: _____

Hot water boilers? _____ of them, fired by: . _____ fuel oil, natural gas, and used for:_____

Steam boilers? _____of them, fired by: . _____ fuel oil, natural gas, and used for:_____

Boiler feed chemicals by: _____

Chillers?_____ of them, _____and used for:_____
Water treatment chemicals by: , _____
Any discharge to wastewater?_____ Any chilled water contact with product? No
Cooling Towers? _____ of them, used for:_____
Water treatment chemicals by: _____
Blowdown discharge to _____? Any cooling water contact with product? No

Were any signs of water damage observed in the facility during the site visit? _____ If so, please discuss the location of the damage and take photographs showing the damage._____

Was mold observed during the visual assessment of the property? _____
If so, please take pictures and refer to the located on site.
_____

Any floor drains in the building? _____
If so, where are they located (show on site sketch) and where o they discharge to?
_____
_____
Any sumps or pits?__ _____

14. Utilities

Electric Service by: FPL_____

Gas Service by: I don't believe there is any gas service to the facility, but it would be FPU_____

Water Service by: ___PBC Water Utilities_____

Wastewater Service by: ____ PBC Water Utilities_____

Steam by: N/A_____

_____

15. **Onsite Aboveground and Underground Storage Tanks**; complete the table below. Obtain a copy of the registration. Obtain any leak detection reports, inventory reports, or reports regarding releases or tank removal. **Be sure to include the tank locations on the site sketch!**

16. Are there any ASTs/USTs, active or inactive, present at the site currently? One Natural Gas AST observed , formerly? _____

UST (U) or AST (A)	Tank Size	Contents	Installation Date	Tank Material	Leak Detection	Registration	Active Removed Closed or
U / A	_____	_____	_____	_____	Y / N	Y / N	_____
U / A	_____	_____	_____	_____	Y / N	Y / N	_____
U / A	_____	_____	_____	_____	Y / N	Y / N	_____
U / A	_____	_____	_____	_____	Y / N	Y / N	_____

17. Are the ASTs/USTs owned by the operator or owner of the site?

_____

_____

18. What is the condition of the tanks as indicated by testing, monitoring, sampling, etc.? _____

_____

19. Have there been any releases? _____

_____

To whom were the releases reported? _____

_____

What is status of release investigation? _____

_____

_____

ASBESTOS

20. Is there known asbestos onsite? No asbestos survey is known to have been completed. _____
Was an asbestos survey conducted and what were the results? _____

_____

_____

_____

_____

ASK THE SITE CONTACT TO PROVIDE ENGINEERING DRAWINGS TO REVIEW TO EVALUATE WHETHER ACM WERE USED IN CONSTRUCTION:

_____ Drawings reviewed, no evidence of ACM
_____ No drawings available for review
_____ Drawings indicate asbestos used as follows: _____

_____

_____

_____

_____

Did we observe any suspect asbestos containing material at the site? _____ If yes list

Suspect ACM	Location	Extent	Condition
floor tile	_____	_____	_____
ceiling tile	_____	_____	_____
boiler insulation	_____	_____	_____
thermal pipe insulation	_____	_____	_____
spray-on insulation	_____	_____	_____
roof information	_____	_____	_____
other	_____	_____	_____

HAZARDOUS CHEMICALS

21. Indicate **primary** chemicals, raw materials and petroleum used, generated stored, released (De minimus quantities _____),

Chemical Quantity Location/Bldg. ID Condition Pathways

_____

_____

_____

_____

Obtain any MSDS for significant chemicals stored or used onsite.

22. **SARA Title III REPORTING - _____**

- Does this facility have any chemical substances stored at any time on-site in excess of:
  EHS over 500 pounds **Yes** **No**
  other hazardous chemicals over 10,000 pounds **Yes** **No**
- List chemicals and show the maximum quantity stored

Chemical	*Quantity Stored*
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- Have they filed 311 or 312? _____ (Review for last reporting year only; copy only if problem) If not and they need to, describe_____

_____

_____

- Have they filed SARA 313 Form Rs? _____ Do they appear adequate? _____
  describe as appropriate _____

If not and they need to, describe_____

- Does this facility have an emergency plan filed with the local emergency planning group? _____
  When was this plan prepared? _____
  When was this plan revised? _____
  Where is this plan kept? _____
  If they don't have one and appear to need one describe _____

23. **SOLID WASTE GENERATION**

General Trash consists of:

(Circle below)

Office Paper

Breakroom Waste

General Packaging

Restroom Wastepaper

Other: General Domestic Trash_____

Other: _____

Accumulated in: compactor? _____)? located: NE, NW, N, SE, and SW

Other: _____

Hauled off by:_____

Disposed at: _ _____

Recycling of the following (No recycle bins observed onsite):

Corrugated is: baled / stored and recycled by: _____

Office paper is: baled / stored and recycled by: _____

Scrap steel is: baled / stored and recycled by: _____

Wooden pallets are recycled by: _____ or disposed by: _____

Aluminum is: baled / stored and recycled by: _____

_____ is: stored and recycled by: _____

_____ is: stored and recycled by: _____

_____ is: stored and recycled by: _____

Floor sweepings go to: _____

Oil absorbents go to: _____

Wooden Pallets go to: _____

Empty drums are: _____ and go to: _____

24. **HAZARDOUS WASTES**

- Does the facility generate hazardous wastes? _____

  EPA ID Number _____

  If yes, complete the following information:

Hazardous waste stream(s)	*Waste Code*	*Est. Mon. Quantity*

- Does the facility maintain manifests? _____

  verify _____

- Where are the wastes stored? _____

Does the facility conduct weekly inspection logs? _____

Does the facility have a contingency plan? _____

Does the facility have a RCRA training program? _____

- Where are the wastes disposed? _____

Briefly describe how the facility determines if a waste is hazardous:

- Were any wastes observed that might meet the definition of hazardous waste but have not been tested to be hazardous or are not handled as hazardous? _____ if so, describe:

Any regulatory agency inspection reports? _____ When last one?

Describe violations and attach copy of report:

25. **PCBs**

Identify the presence of PCB contamination including the presence of potential PCB electrical or other equipment. Note location on site sketch and complete the table below. Equipment includes transformers, circuit breakers, capacitors, hydraulic fluids, lubricants, cutting oils, lamp ballasts, vacuum pumps, heat transfer system and plasticizer applications:*(See also detailed Checklist if appropriate)*

Equipment	**Owner**	**Condition**	**PCB-content**	**Serial #**	**Pathways**
1.					
2.					
3.					
4.					
5.					

If facility owns PCB equipment, is the equipment routinely inspected? __FP&L responsible party_, frequency __

Does the facility send annual reports to USEPA?_ _____

Has the facility disposed of PCB equipment? _____
Storage Location_____

Disposal Facility_____

Does or did the facility work on equipment containing PCBs? _____ if so, describe equipment and waste management practices:

_____

_____

_____

_____

Any regulatory agency inspection reports? _____ When last one?_____
Describe violations and attach copy of report:_____

_____

_____

_____

_____

26. **DRINKING WATER**

What is source of drinking water at the site? _____

What is source of process water for the site?_____

What is the source of drinking water for surrounding properties?

_____

_____

Are there any wells known to exist at the site? _____, Describe

_____

If wells are used for drinking water at the site, obtain water quality data_____

Describe any onsite surface water resources: none or _____

_____

_____

27. **WASTEWATER**

- Describe the type and volume of wastewater that is generated (sanitary, non-contact, process, etc.)

  _____

  _____

- Is any wastewater treatment conducted (e.g. pH adjustment, equalization, grease trap, DAF, etc.?_____

  if so, describe: _____

  _____

  _____

  _____

  _____

- Where is wastewater discharged:

			Does a Permit Exist?	
Surface water discharges	**Yes**	**No**	**Yes**	**No**
Land application discharges	**Yes**	**No**	**Yes**	**No**
Deep well injection	**Yes**	**No**	**Yes**	**No**
Discharge to municipal system	**Yes**	**No**	**Yes**	**No**
Impoundments	**Yes**	**No**	**Yes**	**No**
Septic systems	**Yes**	**No**	**Yes**	**No**

describe as appropriate

- For all discharges, indicate if a permit exists and obtain a copy of the current permit. Check the permits issued and identify requirements (i.e., monitoring, compliance schedule, required management plans). Obtain latest (last 3 monitoring reports) and indicate if there are any exceedances. (Do not copy unless a problem is identified.). Copy any notice of violations, orders and findings or other documentation indicating problems. Identify if compliance schedules or required management plans are in place. Note they are required but don't copy unless a problem.

- Are there known non-permitted wastewater discharges? _____
- If yes, list and describe: _____

- ***Any evidence of groundwater wells, cisterns, or septic tanks? if so describe***

- Any regulatory agency inspection reports? _____ When last one?_____

  Describe violations and attach copy of report:_____

28. **STORMWATER**

Describe how stormwater is managed:

_____

_____

_____

Does the stormwater flow to a combined sewer? _____

Does water run-off from neighboring facilities have potential to impact this facility?____

Has the facility applied for a NPDES stormwater discharge permit? _____

Indicate type: **Individual** **General**

Has the facility received a NPDES stormwater discharge permit?_____

Are there any industrial activities exposed to stormwater? _____, if so, describe:

- Obtain a copy of the current permit. Check permit and identify requirements (i.e., monitoring, compliance schedule, required management plans). Obtain latest (last 3 monitoring reports) and indicate if there are any exceedances. (Do not copy unless a problem is identified.). Copy any notice of violations, orders and findings or other documentation indicating problems. Identify if compliance schedules or required management plans are in place. Note they are required but don't copy unless a problem.

Do they have a Storm Water Pollution Prevention Plan?_____

Any regulatory agency inspection reports? _____ When last one?_____

Describe violations and attach copy of report:_____

29. **WETLANDS**

Any known/delineated wetlands at the site? _____

Indicate size, location (indicate on sketch), and description._____

If none known, was there evidence of saturated soils?_____

Was there wetlands vegetation (e.g., cattails) _____

How big of an area and where (show on map)_____

Is it quite obvious there is no wetlands at site? _____

Does a wetlands delineation need to be conducted to evaluate whether wetlands exist? _____

30. **RADON**

Is there known radon problems in the area or at site? _____

Does the site contact know if radon sampling has ever been done (indicated results if applicable) Unknown
For commercial properties, are basement areas routinely used for office space or other purposes involving long-term daily occupancy by tenants/employees?_____

31. **AIR EMISSIONS**

- Describe each piece of fuel burning equipment at the facility (e.g. manufacturer, heat input capacity, HP, installation date, etc.)

List all air quality permits maintained onsite.

- Describe each piece of process related (non fuel-burning) equipment at the facility that results in air emissions.

- Has this facility received an overall operating permit, other air emissions permit or registration? Not applicable
  Obtain a copy of the permit(s) or registration and identify requirements. Obtain latest (last 3 monitoring reports) if performed, and indicate if there are any exceedances. (Do not copy unless a problem is identified.) Copy any notice of violations, orders and findings or other documentation indicating problems.

Are there any visible emissions from the facility (dust, smoke, white smoke, excluding steam) and do they cross the property line (if fugitive)

- Does this facility have unpermitted emission sources? _____

if so, describe _____

Has an emission inventory been conducted? _____ if so, review and copy any significant information

_____

Any regulatory agency inspection reports? _____ When last one?_____

Describe violations and attach copy of report:_____

32. **GROUNDWATER**

- Is there known groundwater contamination at this facility?_____

If yes, list the contaminants:

- Are there groundwater monitoring wells at this facility? _____

  Where are these wells located?

_____

_____

_____

- How often are these monitoring wells sampled? _____

  List the analytes: _____

_____

_____

_____

- Are regulatory agencies involved with monitoring? _____

  Status of investigation/remediation program? _____

_____

_____

_____

33. **SPILL PREVENTION CONTROL AND COUNTERMEASURE PLANS - _____**

- Does this facility have a spill prevention control and countermeasures plan prepared under

40 CFR 112 _____

or for local POTW? _____

When was this plan prepared? _____

When was this plan revised? _____

Where is this plan kept? _____

If they don't have one and need one describe _____

More than 1,320 aggregate aboveground OIL storage? (24 drums) _____

More than 660 gallon aboveground OIL storage in any one tank? _____

More than 42,000 gallons aggregate underground OIL storage? _____

_____

_____

34. **SPILLS**

- Has this facility had spills or leaks of hazardous wastes, PCBs, hazardous substances, or chemicals used at the facility? _____

Complete the following information for spills which have occurred:

Date	*Substance Spilled*	*Spill Location*	*Cleaned Up*		*Reported*	
_____	_____	_____	**Yes**	**No**	**Yes**	**No**
_____	_____	_____	**Yes**	**No**	**Yes**	**No**
_____	_____	_____	**Yes**	**No**	**Yes**	**No**
_____	_____	_____	**Yes**	**No**	**Yes**	**No**

			Yes	No	Yes	No

35. **USED OIL**

- Does this facility generate used oil? _____--

Describe the types and sources of used oil generated:

_____

_____

Are all containers of used oil labeled accordingly?_____

Describe how and where used oil is stored and handled:

_____

_____

_____

Is used oil mixed with: Used transformer oil? _____

Used capacitor fluids? _____

Used solvents? _____

Other used chemicals? _____

Is used oil burned on-site? _____

How is used oil recycled/disposed? (Provide name of hauler and disposal facility)

_____

_____

_____

36. **OTHER**

- Are any pesticides or herbicides stored or used onsite? _____
- Are lead acid batteries stored or used onsite? _____
- Is there ozone depleting substances (ODS, e.g., freons) containing equipment at the facility? _____ is it maintained by onsite personnel? ____ if so, are they properly trained _____ verify _____
- Are fork lifts trucks maintained onsite? _____ if so, describe_____

_____

- Are there any other state or local regulations that effect the facility? _____ if so, describe:

_____

_____

_____

APPENDIX L

COSTS

APPENDIX L
COST ESTIMATES
FORMER HYDRAULIC LIFT AREA - SOIL AND GROUNDWATER SAMPLING
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Subcontractor			Laboratory			
		Number		Unit Cost	Number		Unit Cost	
Task 1. Soil Borings and Sampling	$ 1,634.00	1	Geoprobe	$ 1,750	3	Soil Analysis	$ 370	$ 4,494.00
		1	Utility Locate	$ 900				$ 900.00
Task 2. Groundwater Sampling and Analysis	$ 680.00				2	GW analysis	$ 370	$ 1,420.00
Task 3. Reporting	$ 4,732.00							$ 4,732.00
Subtotal	$ 7,046.00			$ 2,650.00			$ 1,850	
PROJECT TOTAL								**$ 11,546.00**

APPENDIX L
COST ESTIMATES
FORMER REFUELING CANOPY UST AREA - GROUNDWATER SAMPLING
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Subcontractor			Laboratory			
		Number		Unit Cost	Number		Unit Cost	
Task 1. Geoprobe Points	$ 1,634.00	1	Geoprobe	$ 1,750				$ 3,384.00
		1	Utility Locate	$ 900				$ 900.00
Task 2. Groundwater Sampling and Analysis	$ 680.00				4	GW analysis	$ 340	$ 2,040.00
Task 3. Reporting	$ 4,542.00							$ 4,542.00
Subtotal	$ 6,856.00			$ 2,650.00			$ 1,360	
PROJECT TOTAL								**$ 10,866.00**

APPENDIX L
COST ESTIMATES
FORMER OIL AND ATF UST AREA - SOIL AND GROUNDWATER SAMPLING
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Subcontractor			Laboratory			
		Number		Unit Cost	Number		Unit Cost	
Task 1. Soil Borings and Sampling	$ 1,634.00	1	Geoprobe	$ 1,750	4	Soil Analysis	$ 530	$ 5,504.00
		1	Utility Locate	$ 900				$ 900.00
Task 2. Groundwater Sampling and Analysis	$ 680.00				2	GW analysis	$ 520	$ 1,720.00
Task 3. Reporting	$ 4,938.00							$ 4,938.00
Subtotal	$ 7,252.00			$ 2,650.00			$ 3,160	
PROJECT TOTAL								**$ 13,062.00**

APPENDIX L
COST ESTIMATES
FORMER OIL AND ATF UST TRANSFER LINES - SOIL AND GROUNDWATER SAMPLING
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Subcontractor			Laboratory			
		Number		Unit Cost	Number		Unit Cost	
Task 1. Soil Borings and Sampling	$ 1,634.00	1	Geoprobe	$ 1,750	3	Soil Analysis	$ 530	$ 4,974.00
								$ -
Task 2. Groundwater Sampling and Analysis	$ 680.00				2	GW analysis	$ 520	$ 1,720.00
Task 3. Reporting	$ 4,938.00							$ 4,938.00
Subtotal	$ 7,252.00			$ 1,750.00			$ 2,630	
PROJECT TOTAL								**$ 11,632.00**

APPENDIX L
COST ESTIMATES
FORMER LANDFILL - SOIL SAMPLING
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Driller/Other			Laboratory (b)			
		Number		Unit Cost	Number		Unit Cost	
Task 1 - Trenching	$ 1,912.00	1	6 trenches / combination backhoe/front-end loader	$ 3,500	2	Soil Analysis	$ 390	$ 6,192.00
								$ -
								$ -
Task 2 - Reporting	$ 2,494.00							$ 2,494.00
Subtotal	$ 4,406.00	$		3,500.00			$780.00	
PROJECT TOTAL								$ 8,686.00

APPENDIX L
COST ESTIMATES
PRE-DEMOLITION ASBESTOS SURVEY
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Driller/Other			Laboratory (b)			
		Number		Unit Cost	Number		Unit Cost	
Task 1 - Pre-Demolition Asbestos Survey	$ 2,327.00				10	Asbestos Samples	$25	$ 2,577.00
Subtotal	$ 2,327.00	$		-	$		250.00	
PROJECT TOTAL								$ 2,577.00

APPENDIX L
COST ESTIMATES
LEAD BASED PAINT SURVEY
LEASE PARCEL N-11 - PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

TASKS	URS Costs	Subcontractor Costs						TASK TOTAL
		Driller/Other			Laboratory (b)			
		Number		Unit Cost	Number		Unit Cost	
Task 1 - Pre-Demolition Lead Based Paint Surv	$ 2,327.00	1		$ 1,400	10	Paint Samples	$25	$ 3,977.00
Subtotal	$ 2,327.00	$		1,400.00	$		250.00	
PROJECT TOTAL								$ 3,977.00

Limited Phase II Environmental Site Assessment Report
Lease Parcel N-11 and Pond Areas
1440 North Perimeter Road
P.C.N. 00-43-43-32-00-000-1090 (South Portion – Palm Beach County)
Palm Beach International Airport
West Palm Beach, Palm Beach County, Florida
FD&O Project No.: 14788.01
URS Job No.: 38619-974

Prepared for:
Mr. John Tierney
Palm Beach County Facilities Development and Operations
2633 Vista Parkway
West Palm Beach, Florida 33411
September 17, 2014

Prepared By:
URS Corporation Southern
7800 Congress Avenue, Suite 200
Boca Raton, FL 33487

September 17, 2014

John Tierney
Regulatory Specialist
Palm Beach County Facilities Development and Operations
2633 Vista Parkway
West Palm Beach, FL 33411

Re: Limited Phase II Environmental Site Assessment Report
Lease Parcel N-11 and Pond Areas
1440 North Perimeter Road
P.C.N. 00-43-43-32-00-000-1090 (South Portion – Palm Beach County)
Palm Beach International Airport
West Beach, Palm Beach County, Florida 33445
FD&O Project No.: 14788.01
URS Job No.: 38619-974

Dear Mr. Tierney:

URS Corporation Southern (URS) is pleased to present this Limited Phase II Environmental Site Assessment for the Lease Parcel N-11 and Pond Areas, which are located at the northeast corner of the Palm Beach County International Airport in West Palm Beach, Palm Beach County, Florida.

If you have any questions concerning the information contained in this report, please contact URS at your convenience.

Respectfully submitted,

URS CORPORATION SOUTHERN

Edward A. Leding, P.G.
Project Manager

Jamie R. Sullivan, P.G.
Project Geologist

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FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

URS Corporation Southern (URS) is pleased to present this Phase II Environmental Site Assessment (ESA) Report for the Lease Parcel N-11 and Pond to the Palm Beach County Facilities Development and Operation Department (FD&O). The Lease Parcel N-11 and Pond areas – Palm Beach International Airport (PBIA) are located in the northeast corner of PBIA immediately west of Australian Avenue and immediately south of Belvedere Road in West Palm Beach, Palm Beach County, Florida (Site).

The Site is comprised of two parcels and is approximately 28 acres. The pond is approximately 3.7 acres. According to the Palm Beach County Property Appraiser the Site is divided into a northern and southern parcel. The northern parcel is approximately 17.90 acres and the southern parcel is a small portion of a 460.379 acre property. The Site is situated in Section 32, Township 43 South, Range 43 East. A general site vicinity map is included as **Figure 1**, and **Figure 2** is an aerial photograph location map of the Site.

It is URS' understanding that Palm Beach County FD&O is considering razing the buildings on the Site and rebuilding. URS conducted the assessment in response to authorization by John Tierney, Senior Environmental Analyst of Palm Beach County FD&O.

2.0 BACKGROUND

In August, 2014, URS completed a Phase I ESA of the Site and identified a former underground storage tank area along the west central portion of the Site and a former landfill on the southeastern portion of the Site.

In the west central portion of the Site was a refueling area which had three underground storage tanks (UST). Two of the USTs had a storage capacity of 11,500 gallons each and contained vehicular diesel. The third tank had a storage capacity of 10,000 gallons and contained unleaded gasoline. The USTs were installed in 1985 and removed in 1997. The FDEP facility identification is listed as 508514018. In 1987, a discharge reporting form was submitted and the former UST area was accepted into the State Early Detection Incentive program. Because the vacant maintenance garage may be razed and a new building constructed in this area, Palm Beach FD&O wished to evaluate the current groundwater water quality north and east of the former UST Area with respect to petroleum impacts to evaluate is there may be a potential for restrictions north and east of the former UST area regarding the location of the new building.

Regarding the former landfill, when excavating the pond along Australian Avenue in 1984, buried waste was encountered and removed. To evaluate this area for possible buried solid waste, a series of test trenches will be excavated, and the soil quality evaluated.

3.0 OBJECTIVE

The objective is the evaluate the groundwater quality in the northern and eastern portions of the former UST area, and evaluate the northern and western portions of the area identified as the former land fill for the presence of buried solid waste and evaluate the soil quality in these areas.

4.0 LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

On August 6 and August 14, 2014, URS conducted Limited Phase II ESA activities at the former UST area and at the Pond, respectively. The following summarizes the Limited Phase II ESA. Prior to initiating intrusive activities, the vicinity of the former UST tank and Pond areas and the proposed well points and test trenches were cleared for utilities by Ground Hound Detection Services, Inc., a private utility location service. Photographs taken during the Limited Phase II ESA are included in **Appendix A**.

4.1 CHEMICALS OF POTENTIAL CONCERN

Two primary groups of Chemicals of Potential Concern (COPC) was identified to have the potential to impact soils and groundwater quality at the Site. These are petroleum constituents that reportedly were historically stored in the former USTs, and potential COPCs associated with the former landfill in the vicinity of the Pond.

4.1.1 Lease Parcel N-11 Former UST Area

Historical information documented soil and groundwater petroleum impacts in the vicinity of the former UST area. To evaluate the current groundwater quality in the former UST area, groundwater samples were collected from around the outer portions and perimeter of the former UST area. Four groundwater samples were collected and analyzed for the following constituents:

- Volatile Organic Aromatic and Volatile Organic Halocarbon Compounds (EPA Method 8021 scanned by 8260C)
- Polynuclear Aromatic Hydrocarbons (EPA Method 8310 scanned by 8270)
- Petroleum Hydrocarbons or Petroleum Residual Organics (FL-PRO)
- Dibromoethane, 1,2- (EDB) (EPA Method 8011 scanned by EPA Method 8260B)
- Lead (EPA Method 6020B)

4.1.2 Lease Parcel N-11 Pond Area

Historical information documented a former landfill in the vicinity of the Pond. To evaluate the soil quality representative soil samples were collected from four trenches excavated in select areas adjacent to the Pond The four soil samples were collected and analyzed for the following constituents:

- Full List Semi-Volatile Aromatics (EPA Method 8270C)
- Petroleum Hydrocarbons or Petroleum Residual Organics (FL-PRO)
- Arsenic, Cadmium, Chromium, and Lead (EPA Method 6020B)

4.2 GENERAL SAMPLING METHODOLOGY

The following section details the general field sampling methodology used for the groundwater quality evaluation at the former UST area, and the soil quality evaluation at the Pond. A sample location map illustrating the Geoprobe® temporary well point locations at the former UST area is included on **Figure 3** the sample location map for the Pond is illustrated on **Figure 4.**

4.2.1 Groundwater Sampling Procedure

On August 6, 2014, groundwater samples, TMW-1 through TMW-4 were collected from four representative locations along the north and east perimeters of the former UST area evaluate the groundwater for potential presence of petroleum impacts. Groundwater sample TMW-1 and TMW-2 were collected approximately 50 feet northwest and north of the former UST area, respectively. Temporary monitor wells TMW-3 and TMW-4 were collected approximately 50 feet northeast and east of the former UST area, respectively. CM2 Drilling, a state certified water well contractor, advanced Geoprobe® direct push temporary groundwater monitor wells to a depth of approximately eight feet below land surface (bls). A 1-inch stainless steel slotted screen was placed into the borehole to intercept the shallow groundwater table. Groundwater was encountered at approximately 4.2 feet bls. The slotted screen was placed from four feet to eight feet bls. Decontaminated tubing was lowered into the well point and developed by pumping until the purge water appeared clear of sediment. The groundwater purged from the well point was discharged onto the asphalt

surface and allowed to evaporate.

Prior to collecting the groundwater sample, an approximate water volume was calculated for the well. A minimum of three well volumes was recovered prior to collecting the groundwater sample. A low-flow peristaltic pump was used to purge water from the well. The flow rate at which water was removed was less than 1 liter per minute. Following purging the well of sediment, each well was sampled using the peristaltic pump set at a low flow rate to ensure the collection of representative samples. The samples were collected from the effluent line of the peristaltic pump directly into laboratory pre-cleaned bottle ware. Labels noting the job designation, monitor well number, sample number, and the required laboratory analysis were affixed to all laboratory supplied bottleware. Each sample bottle was then preserved on ice in a cooler for transport to Palm Beach Environmental Laboratories (PBEL), a State certified laboratory located in West Palm Beach, Florida, following chain of custody procedures for analysis of the Kerosene Analytical Group – volatile organic aromatics organic halocarbons by EPA Method 8260, polynuclear aromatic hydrocarbons by EPA Method 8270, for petroleum hydrocarbons by FP-PRO, for ethylene dibromide by EPA Method 8011, and for lead by EPA Method 6020. The groundwater analytical laboratory reports and chain of custody records are included in **Appendix B**.

4.2.2 Test Trenches

To evaluate the area in the vicinity of the former landfill for buried solid waste, URS excavated a series of test trenches along the northern and western areas adjacent to the Pond identified as the former landfill. The test trenches were advanced to at least the top of the water table. The excavations were inspected for evidence of buried solid waste, and representative soil samples were collected in areas identified as having buried solid waste. The test trenches and soils were also visually inspected for staining.

The test trenches were excavated utilizing a mini-excavator. After excavating the test trenches and soil samples collected, the resulting excavations were backfilled with the excavated material and graded to land surface. **Table 2** provides the location of the test trenches and a description of the solid wastes encountered when excavating the trenches.

4.2.3 Soil Sampling Procedure and Analysis

Representative samples were collected from four trenches in areas that had solid waste and the soil appeared discolored and/or chemical odors were noted. The sample was then placed into a stainless steel bowl and thoroughly mixed. After mixing the sample was then placed into laboratory pre-cleaned bottle ware. Labels noting the job designation, trench identification, sample number, and the required laboratory analysis were affixed to all laboratory supplied bottleware. Each sample bottle was then preserved on ice in a cooler for transport to Palm Beach Environmental Laboratories (PBEL), following chain of custody procedures. The soil samples will be analyzed for the full list Semi-Volatile Aromatics by EPA Methods 8270, for petroleum hydrocarbons by FL-PRO, and for arsenic, cadmium, chromium, and lead by EPA Method 6020C. The soil analytical laboratory reports and chain of custody records are included in **Appendix C**.

4.3 QUALITY ASSURANCE/QUALITY CONTROL

Quality assurance procedures utilized during this assessment include compliance with the FDEP Standard Operating Procedures for Laboratory Operation and Sample Collection Activities, and URS' Quality Assurance Manual with the exception that duplicate samples were not collected. Laboratory analytical parameters, procedures, and quality control were conducted in accordance with Test Methods for Evaluating Solid Waste, Physical Chemical Methods, Third Edition (EPA SW-846) methodologies; method specific quality assurance protocols and control procedures outlined in the Palm Beach Environmental Laboratories, Inc. Quality Assurance Plan.

4.4 APPLICABLE REGULATORY STANDARDS

In an effort to develop appropriate cleanup target levels for the soil and groundwater at the Site, URS considered the proposed use as a commercial industrial Site and passive park setting. Considering the future use as a commercial/industrial property and passive park setting the Soil Cleanup Target Levels (SCTLs) Direct Exposure Residential, Direct Exposure Commercial/Industrial, and Leachability Based on Groundwater Criteria values as provided in Chapter 62-777, Florida Administrative Code (F.A.C.) which include the most conservative Direct Exposure Residential regulatory guidelines, and the Groundwater Cleanup Target Levels (GCTLs) provided in Chapter 62-777, F.A.C. were used to evaluate the concentrations of the chemicals of concern identified at the Site.

5.0 INVESTIGATION RESULTS

The following sections summarize the results of the Phase II ESA activities at the N-11 Lease Property former UST area and Pond.

5.1 FORMER UST AREA GROUNDWATER ANALYTICAL RESULTS

On August 6, 2014, groundwater samples were collected from temporary well points TMW-1 through TMW-4. The groundwater samples were collected in accordance with URS' FDEP approved Quality Assurance Manual and FDEP-SOP-001/01 guidelines. The FDEP groundwater sampling log is included in **Appendix B**.

Given below is a summary of the laboratory results.

Laboratory results indicated that no volatile organic aromatics and organic halocarbons by EPA Method 8260, PAH List parameters, 1,2 dibromethane, total recoverable petroleum hydrocarbons by FL-PRO, or lead were detected in the groundwater samples collected above the laboratory detection limits.

The groundwater sample analytical results are illustrated on **Figure 3** and summarized in **Table 1**. The laboratory analytical reports and chain-of-custody documentation are provided in **Appendix B**.

5.2 LEASE PARCEL N-11 POND AREA

On August 16, 2014, a total of seven trenches were excavated around the northeast, north, northwest, west and southwest perimeter of the Leased Parcel N-11 Pond. No trenches were excavated along the eastern and southern portions of the pond as directed by FD&O. All trenches were excavated to at least one foot into the water table, which was encountered at three to four feet bls.

5.2.1 Test Trenches

Given below are the descriptions of the trenches excavated and observations made during the excavations. A summary of the trench locations and descriptions are given in **Table 2**.

Northeast Trench

This trench was approximately 31 feet long. The water table was encountered at approximately 3.6 bls. Organic rich soil was present from the land surface to two feet bls. At two feet bls, debris was encountered, and extended down to the top of the water table at 3.6 feet bls. The debris consisted of pieces of concrete, rusty metal, and glass bottles as well as pieces of broken glass. Several of glass bottles appeared to be medicine type bottles. The excavated soils and material had a musty odor. One soil sample, identified as Northeast Trench was collected from this trench.

North Trench
This trench was approximately 24 feet long. Organic rich soil was present from the land surface to two feet bls. Light brown to tan sand was encountered down to the water table at 4.0 feet bls. No debris was encountered in this trench. Therefore no soil samples were collected.

Northwest Trenches
Two trenches were excavated in this area. The northern most trench was approximately 12 feet long. The southern trench was 16 feet long. The water table was encountered at 3.6 feet bls in the northern trench and 3.4 feet bls in the southern trench.. Organic rich soil was present from the land surface to one foot bls. Light brown to tan sand was encountered down to the water table at 4 feet bls. No debris was encountered in the two trenches. Therefore no soil samples were collected.

West Trench
This trench was 15 feet long. The water table was encountered at 3.0 feet bls. Debris was encountered just below land surface. The debris consisted of bottles, metal cans, plastic and broken glass. The debris extended down to 6 feet bls. The soils were stained black and had a degraded petroleum odor. One soil sample, identified as West Trench was collected from this trench.

West South Trench
This trench was 38 feet long. The water table was encountered at 3.6 feet bls. Debris was encountered in the northern ½ of the trench. In the southern portion of the trench no debris was observed. The debris was approximately one to two feet bls. The debris in the northern portion of trench was similar to the debris encountered in the West Trench, which consisted of bottles, metal cans, plastic and broken glass. The debris extended down to 6 feet bls. The soils were stained dark brown to black. The soils in the south portion of the trench was light brown to tan sand. One soil sample, identified as West South Trench was collected from the northern portion of the trench.

Southwest Trench
This trench was approximately 32 feet long. Organic rich soil was present from the land surface to two feet bls. Light brown to tan sand was encountered down to the water table at 5.4 feet bls. No debris was encountered in this trench. One soil sample, identified as Southwest Trench was collected from the northern portion of the trench.

5.2.2 Soil Analytical Results

On August 16, 2014, representative soil samples were collected four of the test trenches. Given below is a summary of the laboratory results.

Low concentrations of bis(2-Ethylhexyl)phthalate and Di-n-buytlphthalate were detected in all four of the soil samples. These compounds are the most common of the class of phthalates which are used as plasticizers. The bis(2-Ethylhexyl)phthalate and Di-n-buytlphthalate concentrations detected were below applicable Chapter 62-777 F.A.C. SCTLs. No other EPA Method 8270C compounds were detected above the laboratory detection limits. Low levels of residual petroleum hydrocarbons were also detected in all four samples. These residual petroleum hydrocarbon concentrations were also below Chapter 62-777 FAC SCTLs.

Lead was detected in the four soil samples. The lead concentrations ranged from 128 milligrams per kilogram (mg/kg) in sample West Trench to 25.2 mg/kg in sample Northeast Trench. The West Trench soil sample was collected in the area where stained soils were observed, and degraded petroleum odors were noted. Low levels of chromium were detected in the four soil samples, and low concentrations of arsenic was detected in the Northeast and West Trench and Southwest samples. Cadmium was detected in the West Trench sample. The concentrations of the metals detected were below their respective Chapter 62-777 F.A.C SCTLs.

The West and Southwest Trench soil samples, which exhibited the highest lead concentrations of 128 mg/kg and 48.1 mg/kg, respectively, were analyzed by Synthetic Precipitation Leaching Procedure (SPLP). The SPLP is utilized to evaluate the potential for the soil to leach lead into the groundwater.

The SPLP result for lead in the West Trench sample was 0.0139 milligrams per Liter (mg/L), which is below the GCTL of 0.015 mg/L. The SPLP result for lead in the Southwest Trench sample was less than 0.00001 mg/L. The SPLP result indicates that lead concentrations of 128 mg/kg or less in the soil will not leach lead into the groundwater at concentrations above the GCTL.

The soil sample analytical results are illustrated on **Figure 4** and summarized in **Table 3**. Total lead soil analytical result and SPLP analytical result are summarized in **Table 4**. The laboratory analytical reports and chain-of-custody documentation are provided in **Appendix C**.

6.0 SUMMARY AND CONCLUSIONS

On August 6, 2014, URS installed four temporary well points around the north and east perimeter of the former UST area, and on August 16, 2014 URS excavated seven test trenches around the northeast, north, northwest, west and southwest perimeter of the Pond which is located in the general vicinity of the former landfill.

6.1 LEASE PARCEL N-11 FORMER UST AREA

The temporary well points were installed using Geoprobe® direct push equipment. The wells were installed to a depth of eight feet bls. The water table was encountered at approximately 4.2 feet bls. Groundwater samples were collected from the well points to evaluate the water quality in the north and east portions of the former UST area. The groundwater samples were analyzed for the Kerosene Analytical Group – volatile organic aromatics organic halocarbons by EPA Method 8260, polynuclear aromatic hydrocarbons by EPA Method 8270, for petroleum hydrocarbons by FP-PRO, for ethylene dibromide by EPA Method 8011, and for lead by EPA Method 6020B.

No volatile organic aromatics, organic halocarbons, polynuclear aromatic hydrocarbons, residual petroleum hydrocarbons, ethylene dibromide or lead were detected above laboratory detection limits in the four groundwater samples collected, indicating that the groundwater 50 feet north and east of the former UST area are not impacted with petroleum hydrocarbons above the FDEP GCTLs.

6.2 LEASE PARCEL N-11 POND AREA

The test trenches were excavated using a mini-excavator. The water table was encountered at depths ranging from 3.0 to 5.4 feet bls. Miscellaneous solid waste, consisting of bottles, pieces of metal, broken concrete and glass were observed in the Northwest, West and West South trenches. Degraded petroleum odors were noted in the West and West South trenches. It is URS opinion that the solid waste observed in the Northeast, West, and West South test trenches are remnant areas of the former landfill that were not excavated during the construction of the Pond in 1984.

Four soil samples were collected from the Northeast, West, West South and Southwest Trenches and analyzed for the full list Semi-Volatile Aromatics by EPA Methods 8270, for residual petroleum hydrocarbons by FL-PRO, and for arsenic, cadmium, chromium, and lead by EPA Method 6020B.

Low concentrations of bis(2-Ethylhexyl)phthalate and Di-n-buytlphthalate were detected in all four of the soil samples at concentrations below applicable Chapter 62-777 FAC SCTLs. No other EPA Method 8270C compounds were detected above the laboratory detection limits. Low levels of residual petroleum hydrocarbons were also detected in all four samples at concentrations below Chapter 62-777 FAC SCTLs.

Lead and low levels of chromium were detected in the four soil samples. Low concentrations of arsenic were detected in the Northeast, West and Southwest Trench samples. Cadmium was detected in the West Trench sample. The concentrations of the metals detected were below their respective Chapter 62-777 FAC SCTLs.

The West and Southwest Trench soil samples, exhibited the highest lead concentrations of 128 mg/kg and 48.1 mg/kg, respectively, were analyzed by SPLP to evaluate the potential for the soil to leach lead into the groundwater or surface water. The SPLP result for lead in the West Trench sample was 0.0139 mg/L, which is below the GCTL of 0.015 mg/L, and the SPLP result for lead in the Southwest Trench sample was less than 0.00001 mg/L. The SPLP result indicates that lead concentrations of 128 mg/kg or less in the soil will not leach lead into the groundwater at concentrations above the GCTL.

7.0 RECOMMENDATIONS

Given below are URS' recommendations for the former UST area and Pond

7.1 LEASE PARCEL N-11 FORMER UST AREA

No petroleum impacts to the groundwater were identified above the current established GCTLs in the north and east perimeter areas of the former UST area; therefore URS does not anticipate any building restrictions outside of a 50 foot perimeter to the north and east of the USTs.

7.2 LEASE PARCEL N-11 POND AREA

No petroleum or metal impacts to the soils were identified above the current established SCTLs in the seven trenches that were excavated.

URS recommends that, at a minimum, the landscape personnel at Palm Beach International Airport be educated on the presence of the solid waste and the types of hazards that may be present, and the appropriate protective clothing to wear to eliminate potential risks/hazard from the solid waste in the soils around the perimeter of the Pond.

A second option would be to excavate the areas were the solid waste is present to eliminate the potential risks and hazards. For this option, initially a series of trenches would be excavated in the areas identified as having solid waste. The trenches would be excavated until solid waste is not observed. Once the limits of the buried solid waste had been determined, URS would formulate the estimated costs for the removal and disposal of the excavated material, after which these areas would be excavated, the solid waste segregated as much as practical, and then solid wastes transported offsite and properly disposed at a licensed facility.

The estimated costs to evaluate the extent of the buried solid wastes is $ 12,000.

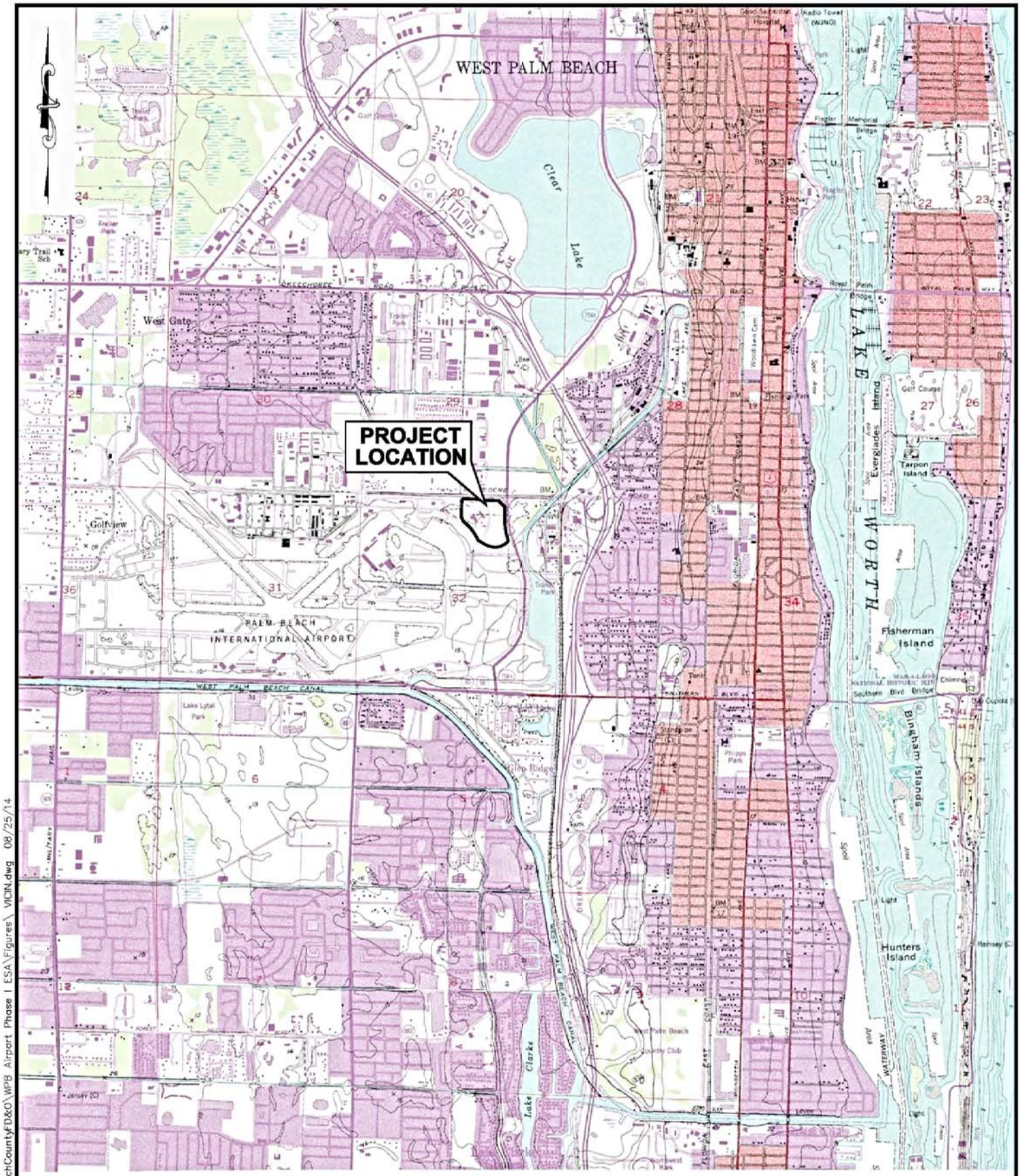
8.0 REFERENCES

FDEP (Florida Department of Environmental Protection), 2007. *Chapter 62-550, Florida Administrative Code, Drinking Water Standards, Monitoring, and Reporting*, September 18, 2007.

FDEP (Florida Department of Environmental Protection), 2005. *Chapter 62-777, Florida Administrative Code, Contaminant Cleanup Target Levels,* April 17, 2005.

URS Corporation (URS), *Phase I Environmental Site Assessment Report, Parcel N-11 Palm Beach International Airport, 1440 North Perimeter Airport, West Palm Beach, Palm Beach County, Florida,* FD&O Project No.: 14788.00, URS Job No. 38619-887, July 17, 2014.

FIGURES



USGS 7.5 MINUTE QUADRANGLE
TITLE: PALM BEACH, FLA.
PHOTOREVISED 1983

0 3500'

GENERAL SITE VICINITY MAP

DRAWN: R.C.
CKD: J.S.
DATE: AUG 14

URS
7800 CONGRESS AVENUE, SUITE 200
BOCA RATON, FLORIDA 33487
PHONE: (561) 994-6500
FAX: (561) 994-6524

PALM BEACH COUNTY FLORIDA

LEASE PARCEL N-11
PALM BEACH INTERNATIONAL AIRPORT
(FORMER PALM TRAN FACILITY)
WEST PALM BEACH, FLORIDA
PALM BEACH COUNTY FD&O

JOB NO.: 38619974 DATE: AUGUST 2014

FIGURE 1

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R:\Environmental\Jobs\PalmBeachCountyFD&O\WPB Airport Phase I ESA\Figures\ f2 SITE2014.dwg 08/25/14

DRAWN: R.C.
CKD: J.S.
DATE: AUG 14

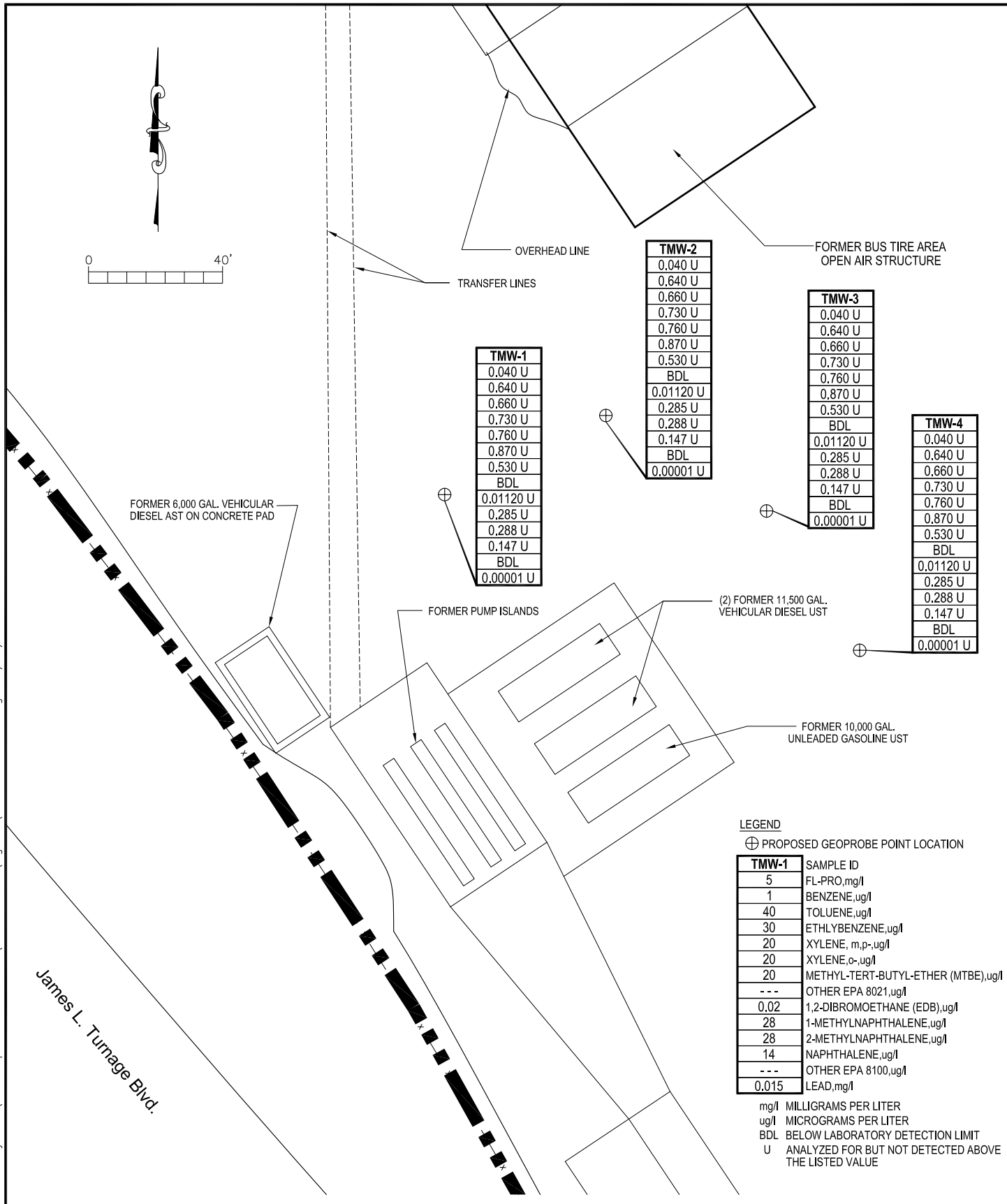
URS
7800 CONGRESS AVENUE, SUITE 200
BOCA RATON, FLORIDA 33487
PHONE: (561) 994-6500
FAX: (561) 994-6524

LEASE PARCEL N-11
PALM BEACH INTERNATIONAL AIRPORT
(FORMER PALM TRAN FACILITY)
WEST PALM BEACH, FLORIDA
PALM BEACH COUNTY FD&O

JOB NO.: 38619974
DATE: AUGUST 2014

AERIAL SITE MAP
- AREAS OF CONCERN

FIGURE 2



GROUNDWATER ANALYTICAL RESULTS MAP
FORMER UST AREA

R:\Environmental\Jobs\PalmBeachCountyFD&O\WPB Airport Phase I ESA\Phase II ESA\Figures\ F3 GW ANALYT.dwg 08/28/14

DRAWN: R.C.
CKD: J.S.
DATE: AUG 14

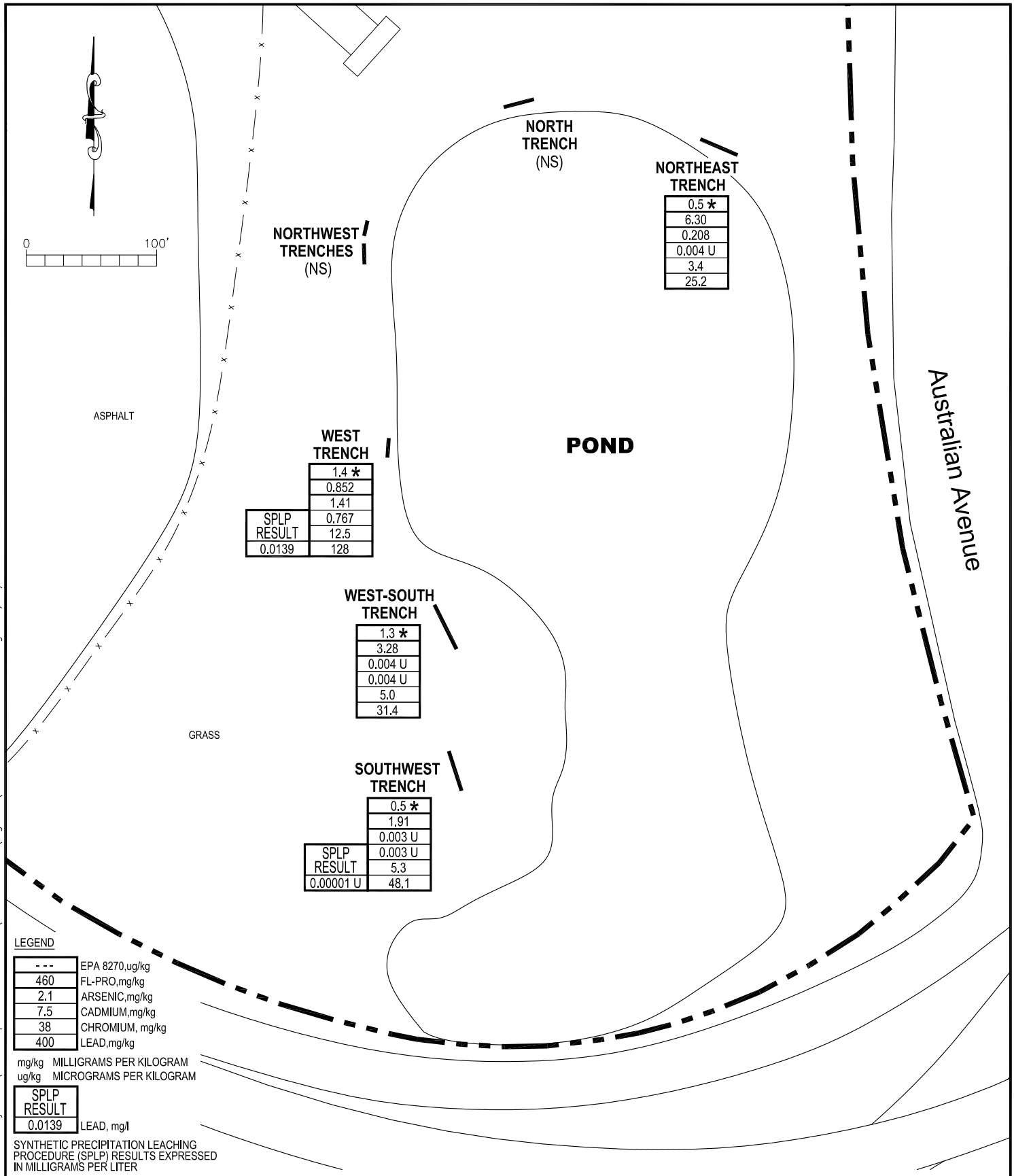
URS
7800 CONGRESS AVENUE, SUITE 200
BOCA RATON, FLORIDA 33487
PHONE: (561) 994-6500
FAX: (561) 994-6524

LEASE PARCEL N-11
PALM BEACH INTERNATIONAL AIRPORT
(FORMER PALM TRAN FACILITY)
WEST PALM BEACH, FLORIDA
PALM BEACH COUNTY FD&O

JOB NO.: 38619974 DATE: AUGUST 2014

PALM BEACH COUNTY FLORIDA

FIGURE 3



LEGEND

- - -	EPA 8270,ug/kg
460	FL-PRO,mg/kg
2.1	ARSENIC,mg/kg
7.5	CADMIUM,mg/kg
38	CHROMIUM, mg/kg
400	LEAD,mg/kg

mg/kg MILLIGRAMS PER KILOGRAM
ug/kg MICROGRAMS PER KILOGRAM

SPLP RESULT
0.0139

LEAD, mg/l

SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) RESULTS EXPRESSED IN MILLIGRAMS PER LITER

(NS) NOT SAMPLED

U ANALYZED FOR BUT NOT DETECTED ABOVE THE LISTED VALUE

* bis(2-ETHLYHEXYL)PHTHALATE AND Di-n-BUYTLPHTHALATE DETECTED IN SAMPLES

SOIL ANALYTICAL RESULTS MAP
- TEST TRENCHES

DRAWN: R.C.
CKD: J.S.
DATE: AUG 14

URS
7800 CONGRESS AVENUE, SUITE 200
BOCA RATON, FLORIDA 33487
PHONE: (561) 994-6500
FAX: (561) 994-6524

LEASE PARCEL N-11-POND
PALM BEACH INTERNATIONAL AIRPORT
WEST PALM BEACH, FLORIDA
PALM BEACH COUNTY FD&O

JOB NO.: 38619974 DATE: AUGUST 2014

PALM BEACH COUNTY FLORIDA

FIGURE 4

R:\Environmental\Jobs\PalmBeachCountyFD&O\WPB Airport Phase I ESA\Phase II ESA\Figures\ F4 SOIL ANALYT 9-14.dwg 09/10/14

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PARCEL N-11
1440 NORTH PERIMETER ROAD
WEST PALM BEACH, FLORIDA
PALM BEACH INTERNATIONAL AIRPORT
URS PROJECT NO. 38619-974
August 6, 2014

		SAMPLE IDENTIFICATION			
	GUIDANCE CONCENTRATION	TMW-1	TMW-2	TMW-3	TMW-4
Laboratory Analyses	GCTL				
FL-PRO Method (mg/L)					
FL-PRO	5	0.040 U	0.040 U	0.040 U	0.040 U
EPA Method 8260C (µg/L)					
Benzene	1	0.640 U	0.640 U	0.640 U	0.640 U
Toluene	40	0.660 U	0.660 U	0.660 U	0.660 U
Ethylbenzene	30	0.730 U	0.730 U	0.730 U	0.730 U
Xylene, m,p-	20	0.760 U	0.760 U	0.760 U	0.760 U
Xylene, o-	20	0.870 U	0.870 U	0.870 U	0.870 U
Methyl-tert-butyl-ether (MTBE)	20	0.530 U	0.530 U	0.530 U	0.530 U
Other EPA 8021 Constituents	---	BDL	BDL	BDL	BDL
EPA Method 8011 (µg/L)					
1,2-dibromoethane (EDB)	0.02	0.01120 U	0.01120 U	0.01120 U	0.01120 U
EPA Method 8100 scanned by 8270 (µg/L)					
Acenaphthene	20	0.188 U	0.188 U	0.188 U	0.188 U
Fluorene	280	0.217 U	0.217 U	0.217 U	0.217 U
Fluoranthene	280	0.0100 U	0.0100 U	0.0100 U	0.0100 U
1-Methylnaphthalene	28	0.285 U	0.285 U	0.285 U	0.285 U
2-Methylnaphthalene	28	0.288 U	0.288 U	0.288 U	0.288 U
Naphthalene	14	0.147 U	0.147 U	0.147 U	0.147 U
Phenanthrene	210	0.215 U	0.215 U	0.215 U	0.215 U
Pyrene	210	0.409 U	0.409 U	0.409 U	0.409 U
Other EPA 8100 Constituents	---	BDL	BDL	BDL	BDL
Metals (mg/L)					
Lead	0.015	0.00001 U	0.00001 U	0.00001 U	0.00001 U

Notes:

[1] Groundwater Cleanup Target Level (GCTL) per Chapter 62-777 FAC, Table 1, effective April 17, 2005 and Drinking Water Standards per Chapter 62-550 FAC.

µg/L = micrograms per Liter

mg/L = milligrams per Liter

--- = Not Applicable and/or guidance concentrations have not been established

BDL= Below Laboratory Detection Limit

U - indicates that the compound was analyzed for but not detected above the listed value

TABLE 2

SUMMARY OF TEST TRENCHES - GPS COORDINATES AND SOIL LITHOLOGY
PARCEL N-11
1440 NORTH PERIMETER ROAD
WEST PALM BEACH, FLORIDA
PALM BEACH INTERNATIONAL AIRPORT
URS PROJECT NO. 38619-974
August 16, 2014

Trench Identification	Latitude / Longitude	Depth to Water (feet)	Lenght (feet)	Description
Northeast	26.68912 N -080.07557 W 26.68917 N -080.07565 W	3.6	31	Organic rich soil was present from the land surface to two feet bls. At two feet bls, debris was encountered, and extended down to the top of the water table at 3.6 feet bls. The debris consisted of pieces of concrete, rusty metal, and glass bottles as well as pieces of broken glass. Several of glass bottles appeared to be medicine type bottles. The excavated soils and material had a musty odor. **Soil sample, Northeast Trench collected from this trench.**
North	26.68925 N -080.07600 W 26.68923 N -080.07608 W	4.0	24	Organic rich soil was present from the land surface to two feet bls. Light brown to tan sand was encountered down to the water table at 4 feet bls. No debris was encountered in this trench.
Northwest - North	26.68897 N -080.07641 W 26.6900 N -080.07640 W	3.6	12	Organic rich soil was present from the land surface to one foot bls. Light brown to tan sand was encountered down to the water table at 3.6 feet bls. No debris was encountered in the trench.
Northwest - South	26.68895 N -080.07641 W 26.68891 N -080.07640 W	4.0	16	Organic rich soil was present from the land surface to one foot bls. Light brown to tan sand was encountered down to the water table at 4 feet bls. No debris was encountered in the trench.
West	26.68859 N -080.07634 W 26.68844 N -080.07635 W	3.0	15	Debris was encountered just below land surface. The debris consisted of bottles, metal cans, plastic and broken glass. The debris extended down to 6 feet bls. The soils were stained black and had a degraded petroleum odor. **Soil sample West Trench collected from this trench.**
West South	26.68824 N -080.07627 W 26.68804 N -080.07615 W	3.6	38	Debris was encountered in the northern ½ of the trench. In the southern portion of the trench no debris was observed. The debris was approximately one to two feet bls. The debris in the northern portion of trench was similar to the debris encountered in the West Trench, which consisted of bottles, metal cans, plastic and broken glass. The debris extended down to 6 feet bls. The soils were stained dark brown to black. The soils in the south portion of the trench was light brown to tan sand. **Soil sample West South Trench collected from the northern portion of the trench.**
Southwest	26.68786 N -080.07619 W 26.68782 N -080.07618 W	5.4	32	Organic rich soil was present from the land surface to two feet bls. Light brown to tan sand was encountered down to the water table at 5.4 feet bls. No debris was encountered in this trench. **Soil sample Southwest Trench collected from the northern portion of the trench.**

Notes:

- Latitude and Longitude recorded in decimal degrees North American Datum 83 (NAD 83)

BOLD - Soil samples analysized for Semi-volatile aromatic hydrocarbons by EPA Method 8270, for residual petroleum constituents by FL-PRO Method, and for 4 Metals - arsenic, cadmium, chromium, and lead.

bls - below land surface

TABLE 3
SUMMARY OF SOIL ANALYTICAL RESULTS
PARCEL N-11
1440 NORTH PERIMETER ROAD
WEST PALM BEACH, FLORIDA
PALM BEACH INTERNATIONAL AIRPORT
URS PROJECT NO. 38619-974
August 14, 2014

	GUIDANCE CONCENTRATIONS			SAMPLE IDENTIFICATION			
Laboratory Analyses	SCTL_Res[1]	SCTL_Ind[2]	SCTL_Leach[3]	Northeast Trench	West Trench	West South Trench	Southwest Trench
FL-PRO Method (mg/Kg)							
FL-PRO	460	2700	340	6.30	0.852	3.28	1.91
EPA Method 8270C (mg/Kg)							
Acenaphthene	2,400	20,000	2.1	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	21,000	300,000	2,500	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(a)anthracene	#	#	0.8	0.06 U	0.06 U	0.06 U	0.06 U
Benzo(a)pyrene	0.1	0.7	8	0.03 U	0.03 U	0.03 U	0.03 U
Benzo(b)fluoranthene	#	#	2.4	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(g,h,i)perylene	2,500	52,000	32,000	0.02 U	0.02 U	0.02 U	0.02 U
Fluorene	2,600	33,000	160	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	3,200	59,000	1,200	0.03 U	0.03 U	0.03 U	0.03 U
Benzo(k)fluoranthene	#	#	24	0.007 U	0.007 U	0.007 U	0.007 U
Chrysene	#	#	77	0.005 U	0.005 U	0.005 U	0.005 U
1-Methylnaphthalene	200	1,800	3.1	0.02 U	0.02 U	0.02 U	0.02 U
2-Methylnaphthalene	210	2,100	8.5	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	55	300	1.2	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	2,200	36,000	250	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	2,400	45,000	880	0.04 U	0.04 U	0.04 U	0.04 U
Dibenz(a,h)anthracene	#	#	0.7	0.05 U	0.05 U	0.05 U	0.05 U
Indeno(1,2,3-cd)pyrene	#	#	6.6	0.2 U	0.2 U	0.2 U	0.2 U
bis(2-Ethylhexyl)phthalate (DEHP)	72	390	3,600	0.3	1.2	1.1	0.3
Di-n-buytlphthalate (Dibuytl phthalate)	8,200	170,000	47	0.2 I	0.2 I	0.2 I	0.2 I
Other EPA 8270C Constituents	---	---	---	BDL	BDL	BDL	BDL
4 RCRA Metals (mg/Kg)							
Arsenic	2.1	12	***	0.208 I	1.41	0.004 U	0.641
Cadmium	82	1,700	7.5	0.004 U	0.767	0.004 U	0.003 U
Chromium	210	470	38	3.4	12.5	5.0	5.3
Lead	400	1,400	***	25.2	128	31.4	48.1

Notes:
mg/Kg - milligrams per Kilogram
µg/Kg - micrograms per Kilogram
u - indicates that the compound was analyzed for but not detected above the listed value
[1] Chapter 62-777, F.A.C., Table 2-Technical Background Document, Direct Exposure Residential Soil Cleanup Target Levels (SCTLs)
[2] Chapter 62-777, F.A.C., Table 2-Technical Background Document, Direct Exposure Commercial/Industrial Soil Cleanup Target Levels (SCTLs)
[3] Chapter 62-777, F.A.C., Table 2-Technical Background Document, Leachability Based on Groundwater Criteria Soil Cleanup Target Levels (SCTLs)
- concentrations must be converted to Benzo (a) pyrene equivalent if one of these parameters are detected
U - indicates that the compound was analyzed for but not detected above the listed value
I - The reported value is between the laboratory method detection limits (MDL) and the laboratory practical quantitation limit (PQL).
--- = Not Applicable and/or guidance concentrations have not been established
*** Leachability values may be derived using SPLP Test to calculate site-specific SCTLs.

TABLE 4

SUMMARY OF LEAD SOIL ANALYTICAL AND SPLP RESULTS

PARCEL N-11

1440 NORTH PERIMETER ROAD

WEST PALM BEACH, FLORIDA

PALM BEACH INTERNATIONAL AIRPORT

URS PROJECT NO. 38619-974

SAMPLE IDENTIFICATION					WEST TRENCH		SOUTHWEST TRENCH	
Laboratory Analysis	**SCTL[1]** (mg/Kg)	**SCTL[2]** (mg/Kg)	**SCTL[3]** (mg/Kg)	**GCTL[4]** (mg/L)	**TOTAL** (mg/Kg)	**SPLP** (mg/L)	**TOTAL** (mg/Kg)	**SPLP** (mg/L)
Metals - EPA Method 6020B (mg/Kg)								
Lead	400	1,400	*	0.015 [6]	128	0.0139	48.1	0.00001U

Notes:

[1] Chapter 62-777, Florida Administrative Code (F.A.C.), Table 2-Technical Background Document, Direct Exposure Residential Soil Cleanup Target Levels (SCTLs)

[2] Chapter 62-777, F.A.C., Table 2-Technical Background Document, Direct Exposure Commercial/Industrial SCTLs

[3] Chapter 62-777, F.A.C. Table 2-Technical Background Document, SCTLs, Leachability Based on Groundwater Criteria

[4] Chapter 62-550, F.A.C. Table 1 - Primary Drinking Water Standards

* - Leachability value may be derived using Synthetic Precipitation Leaching Procedure (SPLP) Test to calculate site-specific SCTLs

mg/Kg = milligrams per Kilogram

mg/L = milligrams per Liter

U - Indicates that the compound was analyzed for but not detected above the listed value.

APPENDIX A

SITE PHOTOGRAPHS

Photo: Installation or temporary monitor wells approximately 50 feet northeast and east of the former underground storage tank (UST) area.

Photo: Each temporary monitor well was purged until the purge water was free and clear of sediment. Samples were collected and the location was restored with asphalt patch.

URS
7800 Congress Avenue,Suite 200
Boca Raton, FL 33487
Phone (561) 994-6500
Fax : (561) 994-6524

Property: Parcel N-11 – PBIA
Location: West Palm Beach, Florida
Client: Palm Beach County FD&O
Palm Beach County FD&O Project #: 14788.01
URS Project #: 38619-974

Site Photos

Photo: Test trenches were excavated along the northern and western areas of the Pond identified as the former landfill. The test trenches were advanced to at least the top of the water table and inspected for evidence of buried solid waste.

Photo: Three of the seven test trenches identified buried solid waste. Solid waste included pieces of concrete, rusty metal, glass bottles, broken glass, metal cans, and plastic.

URS
7800 Congress Avenue,Suite 200
Boca Raton, FL 33487
Phone (561) 994-6500
Fax : (561) 994-6524

Property: Parcel N-11 – PBIA
Location: West Palm Beach, Florida
Client: Palm Beach County FD&O
Palm Beach County FD&O Project #: 14788.01
URS Project #: 38619-974

Site Photos

Photo: Two of the seven test trenches identified stained soils.

Photo: Once the test trenches were complete and observations noted, four representative soil samples were collected and then the areas were restored.

URS
7800 Congress Avenue,Suite 200
Boca Raton, FL 33487
Phone (561) 994-6500
Fax : (561) 994-6524

Property: Parcel N-11 – PBIA
Location: West Palm Beach, Florida
Client: Palm Beach County FD&O
Palm Beach County FD&O Project #: 14788.01
URS Project #: 38619-974

Site Photos

APPENDIX B

FORMER UST AREA
FDEP GROUNDWATER SAMPLING LOGS AND GROUNDWATER ANALYTICAL LABORATORY RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Parcel N-11 - PBIA**	SITE LOCATION: **1440 N. Perimeter Road, West Palm Beach, Florida**	
WELL NO: TMW-1	SAMPLE ID: TMW-1	DATE: 8/6/14

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.0 feet to 8.0 feet	STATIC DEPTH TO WATER (feet): ~4.2	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 9:28	PURGING ENDED AT: 10:07	TOTAL VOLUME PURGED (gallons): 7.8

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)
9:58	6.0	6.0	~0.2		7.17	31.9	832	0.52	16.1	slightly cloudy white	faint organic -52.0
10:01	0.6	6.6	~0.2		7.18	32.0	833	0.48	10.1		-46.9
10:04	0.6	7.2	~0.2		7.18	31.9	834	0.47	9.96		-43.7
10:07	0.6	7.8	~0.2		7.18	31.9	834	0.47	8.89		-42.5

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: **Jamie Sullivan / URS**	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:08	SAMPLING ENDED AT: 10:18
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-1	2	AG	1 L	HCl			FLPRO	APP	
TMW-1	2	AG	1 L	Ice			PAHs (8270)	APP	
TMW-1	4	CG	40 mL	Ice			VOA/VOH (8260)	APP	
TMW-1	2	CG	40 mL	Ice			EDB (8011)	APP	
TMW-1	1	PE	100 mL	HNO3			Lead (6020)	APP	

REMARKS: Initial purge water was light brown.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; T = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Parcel N-11 - PBIA**	SITE LOCATION: **1440 N. Perimeter Road, West Palm Beach, Florida**	
WELL NO: TMW-2	SAMPLE ID: TMW-2	DATE: 8/6/14

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.0 feet to 8.0 feet	STATIC DEPTH TO WATER (feet): ~4.3	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:51	PURGING ENDED AT: 11:37	TOTAL VOLUME PURGED (gallons): 9.2

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 KB)
11:28	7.4	7.4	~0.2		7.08	32.2	760	0.29	4.21	colorless	faint organic -31.4
11:31	0.6	8.0	~0.2		7.08	32.2	760	0.28	3.31		-29.2
11:34	0.6	8.6	~0.2		7.08	32.3	762	0.28	3.34		-26.1
11:37	0.6	9.2	0.2		7.08	32.2	761	0.31	2.43		-23.4

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: **Jamie Sullivan / URS**	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:40	SAMPLING ENDED AT: 11:55
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-2	1	**AG**	**1 L**	**HCl**			**FLPRO**	**APP**	
TMW-2	1	**AG**	**1 L**	**Ice**			**PAHs (8270)**	**APP**	
TMW-2	3	**CG**	**40 mL**	**Ice**			**VOA/VOH (8260)**	**APP**	
TMW-2	2	**CG**	**40 mL**	**Ice**			**EDB (8011)**	**APP**	
TMW-2	1	**PE**	**100 mL**	**HNO3**			**Lead (6020)**	**APP**	

REMARKS: Initial purge water was light brown

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; T = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Parcel N-11 - PBIA**	SITE LOCATION: **1440 N. Perimeter Road, West Palm Beach, Florida**	
WELL NO: TMW-3	SAMPLE ID: TMW-3	DATE: 8/6/14

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.0 feet to 8.0 feet	STATIC DEPTH TO WATER (feet): ~4.3	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 12:16	PURGING ENDED AT: 12:55	TOTAL VOLUME PURGED (gallons): 7.8

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) ORP
12:46	6.0	6.0	~0.2		7.02	30.2	1173	0.66	6.55	colorless	faint organic/-19.5
12:49	0.6	6.6	~0.2		7.01	30.3	1161	0.66	6.10		-12.1
12:52	0.6	7.2	~0.2		7.01	30.4	1156	0.68	5.11		-8.1
12:55	0.6	7.8	~0.2		7.01	30.4	1150	0.67	4.72		-6.4

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: **Jamie Sullivan / URS**	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:57	SAMPLING ENDED AT: 13:07
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-3	1	AG	1 L	HCl			FLPRO	APP	
TMW-3	2	AG	1 L	Ice			PAHs (8270)	APP	
TMW-3	2	CG	40 mL	Ice			VOA/VOH (8260)	APP	
TMW-3	2	CG	40 mL	Ice			EDB (8011)	APP	
TMW-3	1	PE	100 mL	HNO3			Lead (6020)	APP	

REMARKS: Initial purge water was light brown

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Parcel N-11 - PBIA**	SITE LOCATION: **1440 N. Perimeter Road, West Palm Beach, Florida**	
WELL NO: TMW-4	SAMPLE ID: TMW-4	DATE: 8/6/14

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.0 feet to 8.0 feet	STATIC DEPTH TO WATER (feet): ~4.3	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:28	PURGING ENDED AT: 14:07	TOTAL VOLUME PURGED (gallons): 7.8

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)
13:58	6.0	6.0	~0.2		7.03	29.9	964	0.66	4.37	colorless	faint organic -14.7
14:01	0.6	6.6	~0.2		7.03	29.9	963	0.64	3.53		-15.2
14:04	0.6	7.2	~0.2		7.03	29.9	958	0.65	2.87		-13.1
14:07	0.6	7.8	~0.2		7.03	29.9	959	0.64	2.70		-12.8

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: **Jamie Sullivan / URS**	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:09	SAMPLING ENDED AT: 14:19
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-4	1	**AG**	**1 L**	**HCl**			**FLPRO**	**APP**	
TMW-4	1	**AG**	**1 L**	**Ice**			**PAHs (8270)**	**APP**	
TMW-4	2	**CG**	**40 mL**	**Ice**			**VOA/VOH (8260)**	**APP**	
TMW-4	2	**CG**	**40 mL**	**Ice**			**EDB (8011)**	**APP**	
TMW-4	1	**PE**	**100 mL**	**HNO3**			**Lead (6020)**	**APP**	

REMARKS: Initial purge water was light brown

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; T = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After 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)

Revision Date: February 12, 2009

Palm Beach Environmental Laboratories, Inc.

Log #: 12846
PO #:
Quote #:
FDEP :

CHAIN OF CUSTODY RECORD

Company Name: URS Corporation
Address: 7800 Congress Ave., Suite 200
City: Boca Raton State: FL Zip: 33487
Attn: Ed Leding Phone#: 561-994-6500
email: Ed.Leding@URS.com Fax#: 561-994-6524
Project Name: Parcel N-11 Proj#:
Sampler Signature / Name: [signature] / Jamie Sullivan

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	pH	PRES CODE	Parameters: VOA/VOH (8260)	PAHs (8270)	FL PRO	EDB (8011)	Lead	pH FL PRO 8/6/14 DH	pH Lead 8/6/14 DH				
										I	I	E/I	I	B/I						
01	TMW-1	8/6/14	10:08	GW			11			✓	✓	✓	✓	✓	<2	<2				(KAG)
02	TMW-2	8/6/14	11:40	GW			8			✓	✓	✓	✓	✓	<2	<2				
03	TMW-3	8/6/14	12:57	GW			8			✓	✓	✓	✓	✓	<2	<2				
04	TMW-4	8/6/14	14:09	GW			7			✓	✓	✓	✓	✓	<2	<2				
5																				
6																				
7																				
8																				
9																				
0																				

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyle Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water		
SW	Surface Water	O	Other (Please Specify)

Press Codes

A. None	E. HCL	O. Other
B. HNO3	F. MeOH	
C. H2SO4	G. Na2S2O3	
D. NaOH	I. Ice	

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour, 48 Hour Date Due:

QA/QC Report Level: None 1 2 3 Other

COC OK: (Y) N

Initials:

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	URS	8/6/14	14:40	[signature]	PBEL	8/6/14	1440

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 5.3 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?			✓
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

1550 Latham Road, Suite 2 • West Palm Beach, FL 33409 • Tel: (561) 689-6701 • Fax: (561) 689-6702

COC# 19131

Palm Beach Environmental
Laboratories Inc.

Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0012846

August 14, 2014

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

(1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.

(2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.

(3) Results for all solid matrices are reported in dry weight unless otherwise noted.

(4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.

(5) Samples are disposed of within 30 days of their receipt by the laboratory.

(6) A statement of Qualifiers is available upon request.

(7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.

(8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.

(9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-1 **Lab ID:** 0012846-01 **Sampled:** 08/06/14 10:08
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
91-20-3	Naphthalene	0.147	U	ug/L	EPA 3510C / 8270	1	0.147	10.0	08/07/14	08/08/14	PLS
91-57-6	2-Methylnaphthalene	0.288	U	ug/L	EPA 3510C / 8270	1	0.288	10.0	08/07/14	08/08/14	PLS
90-12-0	1-Methylnaphthalene	0.285	U	ug/L	EPA 3510C / 8270	1	0.285	10.0	08/07/14	08/08/14	PLS
208-96-8	Acenaphthylene	0.393	U	ug/L	EPA 3510C / 8270	1	0.393	10.0	08/07/14	08/08/14	PLS
83-32-9	Acenaphthene	0.188	U	ug/L	EPA 3510C / 8270	1	0.188	10.0	08/07/14	08/08/14	PLS
86-73-7	Fluorene	0.217	U	ug/L	EPA 3510C / 8270	1	0.217	10.0	08/07/14	08/08/14	PLS
85-01-8	Phenanthrene	0.215	U	ug/L	EPA 3510C / 8270	1	0.215	10.0	08/07/14	08/08/14	PLS
120-12-7	Anthracene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
206-44-0	Fluoranthene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
129-00-0	Pyrene	0.409	U	ug/L	EPA 3510C / 8270	1	0.409	10.0	08/07/14	08/08/14	PLS
56-55-3	Benzo[a]anthracene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
218-01-9	Chrysene	0.169	U	ug/L	EPA 3510C / 8270	1	0.169	0.200	08/07/14	08/08/14	PLS
205-99-2	Benzo[b]fluoranthene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
207-08-9	Benzo[k]fluoranthene	0.500	U	ug/L	EPA 3510C / 8270	1	0.500	0.500	08/07/14	08/08/14	PLS
50-32-8	Benzo[a]pyrene	0.200	U	ug/L	EPA 3510C / 8270	1	0.200	0.200	08/07/14	08/08/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.0050	U	ug/L	EPA 3510C / 8270	1	0.0050	0.0500	08/07/14	08/08/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.341	U	ug/L	EPA 3510C / 8270	1	0.341	10.0	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
NA	Surrogate: Nitrobenzene-d5	93.2 %		Limit 40-142
321-60-8	Surrogate: 2-Fluorobiphenyl	111 %		Limit 47-150
NA	Surrogate: p-Terphenyl-d14	112 %		Limit 55-165

EPA Method 8011 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
106-93-4	1,2-Dibromoethane (EDB)	0.01120	JEE, U	ug/L	EPA 8260B	1	0.01120	0.03400	08/08/14	08/08/14	SL
96-12-8	1,2-Dibromo-3-Chloropropane	0.01210	JEE, U	ug/L	EPA 8260B	1	0.01210	0.03600	08/08/14	08/08/14	SL

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Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-1 **Lab ID:** 0012846-01 **Sampled:** 08/06/14 10:08
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
	1,2-Dicholoroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
	1,2-Dicholoropropane	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-71-8	Dichlorodifluoromethane	0.580	U	ug/L	EPA 8260C	1	0.580	1.000	08/08/14	08/08/14	PLS
74-87-3	Chloromethane	0.370	U	ug/L	EPA 8260C	1	0.370	1.000	08/08/14	08/08/14	PLS
75-01-4	Vinyl Chloride	0.800	U	ug/L	EPA 8260C	1	0.800	1.000	08/08/14	08/08/14	PLS
74-83-9	Bromomethane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
75-00-3	Chloroethane	0.930	U	ug/L	EPA 8260C	1	0.930	1.000	08/08/14	08/08/14	PLS
75-69-4	Trichlorofluoromethane	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
75-35-4	1,1-Dichloroethene	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
75-09-2	Methylene Chloride	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
1634-04-4	MTBE	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
156-60-5	trans-1,2-Dichloroethene	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-34-3	1,1-Dichloroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
590-20-7	2,2-Dichloropropane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
156-59-2	cis-1,2-Dichloroethene	0.500	U	ug/L	EPA 8260C	1	0.500	1.000	08/08/14	08/08/14	PLS
67-66-3	Chloroform	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
74-97-5	Bromochloromethane	0.630	U	ug/L	EPA 8260C	1	0.630	1.000	08/08/14	08/08/14	PLS
71-55-6	1,1,1-Trichloroethane	0.780	U	ug/L	EPA 8260C	1	0.780	1.000	08/08/14	08/08/14	PLS
563-58-6	1,1-Dichloropropene	0.790	U	ug/L	EPA 8260C	1	0.790	1.000	08/08/14	08/08/14	PLS
56-23-5	Carbon Tetrachloride	0.750	U	ug/L	EPA 8260C	1	0.750	1.000	08/08/14	08/08/14	PLS
71-43-2	Benzene	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
79-01-6	Trichloroethene	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
75-27-4	Bromodichloromethane	0.500	U	ug/L	EPA 8260C	1	0.500	0.500	08/08/14	08/08/14	PLS
106-93-4	1,2-Dibromoethane (EDB)	0.019	U	ug/L	EPA 8260C	1	0.019	0.020	08/08/14	08/08/14	PLS
10061-01-5	cis-1,3-Dichloropropene	0.590	U	ug/L	EPA 8260C	1	0.590	1.000	08/08/14	08/08/14	PLS
108-88-3	Toluene	0.660	U	ug/L	EPA 8260C	1	0.660	1.000	08/08/14	08/08/14	PLS
10061-02-6	trans-1,3-Dichloropropene	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
79-00-5	1,1,2-Trichloroethane	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
142-28-9	1,3-Dichloropropane	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
127-18-4	Tetrachloroethene	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
124-48-1	Dibromochloromethane	0.400	U	ug/L	EPA 8260C	1	0.400	0.400	08/08/14	08/08/14	PLS
108-90-7	Chlorobenzene	0.670	U	ug/L	EPA 8260C	1	0.670	1.000	08/08/14	08/08/14	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
100-41-4	Ethylbenzene	0.730	U	ug/L	EPA 8260C	1	0.730	1.000	08/08/14	08/08/14	PLS

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Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-1 **Lab ID:** 0012846-01 **Sampled:** 08/06/14 10:08
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
108-38-3/106-42-3	m,p-Xylene	0.760	U	ug/L	EPA 8260C	1	0.760	1.000	08/08/14	08/08/14	PLS
95-47-6	o-Xylene	0.870	U	ug/L	EPA 8260C	1	0.870	1.000	08/08/14	08/08/14	PLS
75-25-2	Bromoform	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
541-73-1	1,3-Dichlorobenzene	0.310	U	ug/L	EPA 8260C	1	0.310	1.000	08/08/14	08/08/14	PLS
106-46-7	1,4-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
95-50-1	1,2-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
96-18-4	1,2,3-Trichloropropane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
108-86-1	Bromobenzene	0.850	U	ug/L	EPA 8260C	1	0.850	1.000	08/08/14	08/08/14	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
1868-53-7	Surrogate: Dibromofluoromethane	98.5 %		Limit 62-200
2037-26-5	Surrogate: Toluene-d8	89.7 %		Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	171 %		Limit 50-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	71.6 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	49.5 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	08/07/14	08/12/14	DD

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ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-2 **Lab ID:** 0012846-02 **Sampled:** 08/06/14 11:40
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
91-20-3	Naphthalene	0.147	U	ug/L	EPA 3510C / 8270	1	0.147	10.0	08/07/14	08/08/14	PLS
91-57-6	2-Methylnaphthalene	0.288	U	ug/L	EPA 3510C / 8270	1	0.288	10.0	08/07/14	08/08/14	PLS
90-12-0	1-Methylnaphthalene	0.285	U	ug/L	EPA 3510C / 8270	1	0.285	10.0	08/07/14	08/08/14	PLS
208-96-8	Acenaphthylene	0.393	U	ug/L	EPA 3510C / 8270	1	0.393	10.0	08/07/14	08/08/14	PLS
83-32-9	Acenaphthene	0.188	U	ug/L	EPA 3510C / 8270	1	0.188	10.0	08/07/14	08/08/14	PLS
86-73-7	Fluorene	0.217	U	ug/L	EPA 3510C / 8270	1	0.217	10.0	08/07/14	08/08/14	PLS
85-01-8	Phenanthrene	0.215	U	ug/L	EPA 3510C / 8270	1	0.215	10.0	08/07/14	08/08/14	PLS
120-12-7	Anthracene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
206-44-0	Fluoranthene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
129-00-0	Pyrene	0.409	U	ug/L	EPA 3510C / 8270	1	0.409	10.0	08/07/14	08/08/14	PLS
56-55-3	Benzo[a]anthracene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
218-01-9	Chrysene	0.169	U	ug/L	EPA 3510C / 8270	1	0.169	0.200	08/07/14	08/08/14	PLS
205-99-2	Benzo[b]fluoranthene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
207-08-9	Benzo[k]fluoranthene	0.500	U	ug/L	EPA 3510C / 8270	1	0.500	0.500	08/07/14	08/08/14	PLS
50-32-8	Benzo[a]pyrene	0.200	U	ug/L	EPA 3510C / 8270	1	0.200	0.200	08/07/14	08/08/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.0050	U	ug/L	EPA 3510C / 8270	1	0.0050	0.0500	08/07/14	08/08/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.341	U	ug/L	EPA 3510C / 8270	1	0.341	10.0	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
NA	Surrogate: Nitrobenzene-d5	77.9 %		Limit 40-142
321-60-8	Surrogate: 2-Fluorobiphenyl	99.8 %		Limit 47-150
NA	Surrogate: p-Terphenyl-d14	108 %		Limit 55-165

EPA Method 8011 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
106-93-4	1,2-Dibromoethane (EDB)	0.01120	JEE, U	ug/L	EPA 8260B	1	0.01120	0.03400	08/08/14	08/08/14	SL
96-12-8	1,2-Dibromo-3-Chloropropane	0.01210	JEE, U	ug/L	EPA 8260B	1	0.01210	0.03600	08/08/14	08/08/14	SL

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LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-2 **Lab ID:** 0012846-02 **Sampled:** 08/06/14 11:40
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
	1,2-Dicholoroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
	1,2-Dicholoropropane	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-71-8	Dichlorodifluoromethane	0.580	U	ug/L	EPA 8260C	1	0.580	1.000	08/08/14	08/08/14	PLS
74-87-3	Chloromethane	0.370	U	ug/L	EPA 8260C	1	0.370	1.000	08/08/14	08/08/14	PLS
75-01-4	Vinyl Chloride	0.800	U	ug/L	EPA 8260C	1	0.800	1.000	08/08/14	08/08/14	PLS
74-83-9	Bromomethane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
75-00-3	Chloroethane	0.930	U	ug/L	EPA 8260C	1	0.930	1.000	08/08/14	08/08/14	PLS
75-69-4	Trichlorofluoromethane	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
75-35-4	1,1-Dichloroethene	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
75-09-2	Methylene Chloride	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
1634-04-4	MTBE	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
156-60-5	trans-1,2-Dichloroethene	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-34-3	1,1-Dichloroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
590-20-7	2,2-Dichloropropane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
156-59-2	cis-1,2-Dichloroethene	0.500	U	ug/L	EPA 8260C	1	0.500	1.000	08/08/14	08/08/14	PLS
67-66-3	Chloroform	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
74-97-5	Bromochloromethane	0.630	U	ug/L	EPA 8260C	1	0.630	1.000	08/08/14	08/08/14	PLS
71-55-6	1,1,1-Trichloroethane	0.780	U	ug/L	EPA 8260C	1	0.780	1.000	08/08/14	08/08/14	PLS
563-58-6	1,1-Dichloropropene	0.790	U	ug/L	EPA 8260C	1	0.790	1.000	08/08/14	08/08/14	PLS
56-23-5	Carbon Tetrachloride	0.750	U	ug/L	EPA 8260C	1	0.750	1.000	08/08/14	08/08/14	PLS
71-43-2	Benzene	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
79-01-6	Trichloroethene	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
75-27-4	Bromodichloromethane	0.500	U	ug/L	EPA 8260C	1	0.500	0.500	08/08/14	08/08/14	PLS
106-93-4	1,2-Dibromoethane (EDB)	0.019	U	ug/L	EPA 8260C	1	0.019	0.020	08/08/14	08/08/14	PLS
10061-01-5	cis-1,3-Dichloropropene	0.590	U	ug/L	EPA 8260C	1	0.590	1.000	08/08/14	08/08/14	PLS
108-88-3	Toluene	0.660	U	ug/L	EPA 8260C	1	0.660	1.000	08/08/14	08/08/14	PLS
10061-02-6	trans-1,3-Dichloropropene	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
79-00-5	1,1,2-Trichloroethane	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
142-28-9	1,3-Dichloropropane	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
127-18-4	Tetrachloroethene	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
124-48-1	Dibromochloromethane	0.400	U	ug/L	EPA 8260C	1	0.400	0.400	08/08/14	08/08/14	PLS
108-90-7	Chlorobenzene	0.670	U	ug/L	EPA 8260C	1	0.670	1.000	08/08/14	08/08/14	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
100-41-4	Ethylbenzene	0.730	U	ug/L	EPA 8260C	1	0.730	1.000	08/08/14	08/08/14	PLS

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-2 **Lab ID:** 0012846-02 **Sampled:** 08/06/14 11:40
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
108-38-3/106-42-3	m,p-Xylene	0.760	U	ug/L	EPA 8260C	1	0.760	1.000	08/08/14	08/08/14	PLS
95-47-6	o-Xylene	0.870	U	ug/L	EPA 8260C	1	0.870	1.000	08/08/14	08/08/14	PLS
75-25-2	Bromoform	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
541-73-1	1,3-Dichlorobenzene	0.310	U	ug/L	EPA 8260C	1	0.310	1.000	08/08/14	08/08/14	PLS
106-46-7	1,4-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
95-50-1	1,2-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
96-18-4	1,2,3-Trichloropropane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
108-86-1	Bromobenzene	0.850	U	ug/L	EPA 8260C	1	0.850	1.000	08/08/14	08/08/14	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
1868-53-7	Surrogate: Dibromofluoromethane	97.3 %		Limit 62-200
2037-26-5	Surrogate: Toluene-d8	86.3 %		Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	116 %		Limit 50-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	71.2 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	51.1 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	08/07/14	08/12/14	DD

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-3 **Lab ID:** 0012846-03 **Sampled:** 08/06/14 12:57
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
91-20-3	Naphthalene	0.147	U	ug/L	EPA 3510C / 8270	1	0.147	10.0	08/07/14	08/08/14	PLS
91-57-6	2-Methylnaphthalene	0.288	U	ug/L	EPA 3510C / 8270	1	0.288	10.0	08/07/14	08/08/14	PLS
90-12-0	1-Methylnaphthalene	0.285	U	ug/L	EPA 3510C / 8270	1	0.285	10.0	08/07/14	08/08/14	PLS
208-96-8	Acenaphthylene	0.393	U	ug/L	EPA 3510C / 8270	1	0.393	10.0	08/07/14	08/08/14	PLS
83-32-9	Acenaphthene	0.188	U	ug/L	EPA 3510C / 8270	1	0.188	10.0	08/07/14	08/08/14	PLS
86-73-7	Fluorene	0.217	U	ug/L	EPA 3510C / 8270	1	0.217	10.0	08/07/14	08/08/14	PLS
85-01-8	Phenanthrene	0.215	U	ug/L	EPA 3510C / 8270	1	0.215	10.0	08/07/14	08/08/14	PLS
120-12-7	Anthracene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
206-44-0	Fluoranthene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
129-00-0	Pyrene	0.409	U	ug/L	EPA 3510C / 8270	1	0.409	10.0	08/07/14	08/08/14	PLS
56-55-3	Benzo[a]anthracene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
218-01-9	Chrysene	0.169	U	ug/L	EPA 3510C / 8270	1	0.169	0.200	08/07/14	08/08/14	PLS
205-99-2	Benzo[b]fluoranthene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
207-08-9	Benzo[k]fluoranthene	0.500	U	ug/L	EPA 3510C / 8270	1	0.500	0.500	08/07/14	08/08/14	PLS
50-32-8	Benzo[a]pyrene	0.200	U	ug/L	EPA 3510C / 8270	1	0.200	0.200	08/07/14	08/08/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.0050	U	ug/L	EPA 3510C / 8270	1	0.0050	0.0500	08/07/14	08/08/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.341	U	ug/L	EPA 3510C / 8270	1	0.341	10.0	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
NA	Surrogate: Nitrobenzene-d5	68.3 %		Limit 40-142
321-60-8	Surrogate: 2-Fluorobiphenyl	84.4 %		Limit 47-150
NA	Surrogate: p-Terphenyl-d14	87.3 %		Limit 55-165

EPA Method 8011 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
106-93-4	1,2-Dibromoethane (EDB)	0.01120	JEE, U	ug/L	EPA 8260B	1	0.01120	0.03400	08/08/14	08/08/14	SL
96-12-8	1,2-Dibromo-3-Chloropropane	0.01210	JEE, U	ug/L	EPA 8260B	1	0.01210	0.03600	08/08/14	08/08/14	SL

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-3 **Lab ID:** 0012846-03 **Sampled:** 08/06/14 12:57
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
	1,2-Dicholoroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
	1,2-Dicholoropropane	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-71-8	Dichlorodifluoromethane	0.580	U	ug/L	EPA 8260C	1	0.580	1.000	08/08/14	08/08/14	PLS
74-87-3	Chloromethane	0.370	U	ug/L	EPA 8260C	1	0.370	1.000	08/08/14	08/08/14	PLS
75-01-4	Vinyl Chloride	0.800	U	ug/L	EPA 8260C	1	0.800	1.000	08/08/14	08/08/14	PLS
74-83-9	Bromomethane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
75-00-3	Chloroethane	0.930	U	ug/L	EPA 8260C	1	0.930	1.000	08/08/14	08/08/14	PLS
75-69-4	Trichlorofluoromethane	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
75-35-4	1,1-Dichloroethene	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
75-09-2	Methylene Chloride	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
1634-04-4	MTBE	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
156-60-5	trans-1,2-Dichloroethene	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-34-3	1,1-Dichloroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
590-20-7	2,2-Dichloropropane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
156-59-2	cis-1,2-Dichloroethene	0.500	U	ug/L	EPA 8260C	1	0.500	1.000	08/08/14	08/08/14	PLS
67-66-3	Chloroform	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
74-97-5	Bromochloromethane	0.630	U	ug/L	EPA 8260C	1	0.630	1.000	08/08/14	08/08/14	PLS
71-55-6	1,1,1-Trichloroethane	0.780	U	ug/L	EPA 8260C	1	0.780	1.000	08/08/14	08/08/14	PLS
563-58-6	1,1-Dichloropropene	0.790	U	ug/L	EPA 8260C	1	0.790	1.000	08/08/14	08/08/14	PLS
56-23-5	Carbon Tetrachloride	0.750	U	ug/L	EPA 8260C	1	0.750	1.000	08/08/14	08/08/14	PLS
71-43-2	Benzene	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
79-01-6	Trichloroethene	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
75-27-4	Bromodichloromethane	0.500	U	ug/L	EPA 8260C	1	0.500	0.500	08/08/14	08/08/14	PLS
106-93-4	1,2-Dibromoethane (EDB)	0.019	U	ug/L	EPA 8260C	1	0.019	0.020	08/08/14	08/08/14	PLS
10061-01-5	cis-1,3-Dichloropropene	0.590	U	ug/L	EPA 8260C	1	0.590	1.000	08/08/14	08/08/14	PLS
108-88-3	Toluene	0.660	U	ug/L	EPA 8260C	1	0.660	1.000	08/08/14	08/08/14	PLS
10061-02-6	trans-1,3-Dichloropropene	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
79-00-5	1,1,2-Trichloroethane	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
142-28-9	1,3-Dichloropropane	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
127-18-4	Tetrachloroethene	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
124-48-1	Dibromochloromethane	0.400	U	ug/L	EPA 8260C	1	0.400	0.400	08/08/14	08/08/14	PLS
108-90-7	Chlorobenzene	0.670	U	ug/L	EPA 8260C	1	0.670	1.000	08/08/14	08/08/14	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
100-41-4	Ethylbenzene	0.730	U	ug/L	EPA 8260C	1	0.730	1.000	08/08/14	08/08/14	PLS

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-3 **Lab ID:** 0012846-03 **Sampled:** 08/06/14 12:57
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
108-38-3/106-42-3	m,p-Xylene	0.760	U	ug/L	EPA 8260C	1	0.760	1.000	08/08/14	08/08/14	PLS
95-47-6	o-Xylene	0.870	U	ug/L	EPA 8260C	1	0.870	1.000	08/08/14	08/08/14	PLS
75-25-2	Bromoform	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
541-73-1	1,3-Dichlorobenzene	0.310	U	ug/L	EPA 8260C	1	0.310	1.000	08/08/14	08/08/14	PLS
106-46-7	1,4-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
95-50-1	1,2-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
96-18-4	1,2,3-Trichloropropane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
108-86-1	Bromobenzene	0.850	U	ug/L	EPA 8260C	1	0.850	1.000	08/08/14	08/08/14	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
1868-53-7	Surrogate: Dibromofluoromethane	101 %		Limit 62-200
2037-26-5	Surrogate: Toluene-d8	83.8 %		Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	125 %		Limit 50-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	66.0 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	55.6 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	08/07/14	08/12/14	DD

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-4 **Lab ID:** 0012846-04 **Sampled:** 08/06/14 14:09
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
91-20-3	Naphthalene	0.147	U	ug/L	EPA 3510C / 8270	1	0.147	10.0	08/07/14	08/08/14	PLS
91-57-6	2-Methylnaphthalene	0.288	U	ug/L	EPA 3510C / 8270	1	0.288	10.0	08/07/14	08/08/14	PLS
90-12-0	1-Methylnaphthalene	0.285	U	ug/L	EPA 3510C / 8270	1	0.285	10.0	08/07/14	08/08/14	PLS
208-96-8	Acenaphthylene	0.393	U	ug/L	EPA 3510C / 8270	1	0.393	10.0	08/07/14	08/08/14	PLS
83-32-9	Acenaphthene	0.188	U	ug/L	EPA 3510C / 8270	1	0.188	10.0	08/07/14	08/08/14	PLS
86-73-7	Fluorene	0.217	U	ug/L	EPA 3510C / 8270	1	0.217	10.0	08/07/14	08/08/14	PLS
85-01-8	Phenanthrene	0.215	U	ug/L	EPA 3510C / 8270	1	0.215	10.0	08/07/14	08/08/14	PLS
120-12-7	Anthracene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
206-44-0	Fluoranthene	0.0100	U	ug/L	EPA 3510C / 8270	1	0.0100	0.0300	08/07/14	08/08/14	PLS
129-00-0	Pyrene	0.409	U	ug/L	EPA 3510C / 8270	1	0.409	10.0	08/07/14	08/08/14	PLS
56-55-3	Benzo[a]anthracene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
218-01-9	Chrysene	0.169	U	ug/L	EPA 3510C / 8270	1	0.169	0.200	08/07/14	08/08/14	PLS
205-99-2	Benzo[b]fluoranthene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
207-08-9	Benzo[k]fluoranthene	0.500	U	ug/L	EPA 3510C / 8270	1	0.500	0.500	08/07/14	08/08/14	PLS
50-32-8	Benzo[a]pyrene	0.200	U	ug/L	EPA 3510C / 8270	1	0.200	0.200	08/07/14	08/08/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.0050	U	ug/L	EPA 3510C / 8270	1	0.0050	0.0500	08/07/14	08/08/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.0500	U	ug/L	EPA 3510C / 8270	1	0.0500	0.0500	08/07/14	08/08/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.341	U	ug/L	EPA 3510C / 8270	1	0.341	10.0	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
NA	Surrogate: Nitrobenzene-d5	96.7 %		Limit 40-142
321-60-8	Surrogate: 2-Fluorobiphenyl	120 %		Limit 47-150
NA	Surrogate: p-Terphenyl-d14	129 %		Limit 55-165

EPA Method 8011 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
106-93-4	1,2-Dibromoethane (EDB)	0.01120	JEE, U	ug/L	EPA 8260B	1	0.01120	0.03400	08/08/14	08/08/14	SL
96-12-8	1,2-Dibromo-3-Chloropropane	0.01210	JEE, U	ug/L	EPA 8260B	1	0.01210	0.03600	08/08/14	08/08/14	SL

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-4 **Lab ID:** 0012846-04 **Sampled:** 08/06/14 14:09
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
	1,2-Dicholoroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
	1,2-Dicholoropropane	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-71-8	Dichlorodifluoromethane	0.580	U	ug/L	EPA 8260C	1	0.580	1.000	08/08/14	08/08/14	PLS
74-87-3	Chloromethane	0.370	U	ug/L	EPA 8260C	1	0.370	1.000	08/08/14	08/08/14	PLS
75-01-4	Vinyl Chloride	0.800	U	ug/L	EPA 8260C	1	0.800	1.000	08/08/14	08/08/14	PLS
74-83-9	Bromomethane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
75-00-3	Chloroethane	0.930	U	ug/L	EPA 8260C	1	0.930	1.000	08/08/14	08/08/14	PLS
75-69-4	Trichlorofluoromethane	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
75-35-4	1,1-Dichloroethene	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
75-09-2	Methylene Chloride	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
1634-04-4	MTBE	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
156-60-5	trans-1,2-Dichloroethene	0.560	U	ug/L	EPA 8260C	1	0.560	1.000	08/08/14	08/08/14	PLS
75-34-3	1,1-Dichloroethane	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
590-20-7	2,2-Dichloropropane	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS
156-59-2	cis-1,2-Dichloroethene	0.500	U	ug/L	EPA 8260C	1	0.500	1.000	08/08/14	08/08/14	PLS
67-66-3	Chloroform	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
74-97-5	Bromochloromethane	0.630	U	ug/L	EPA 8260C	1	0.630	1.000	08/08/14	08/08/14	PLS
71-55-6	1,1,1-Trichloroethane	0.780	U	ug/L	EPA 8260C	1	0.780	1.000	08/08/14	08/08/14	PLS
563-58-6	1,1-Dichloropropene	0.790	U	ug/L	EPA 8260C	1	0.790	1.000	08/08/14	08/08/14	PLS
56-23-5	Carbon Tetrachloride	0.750	U	ug/L	EPA 8260C	1	0.750	1.000	08/08/14	08/08/14	PLS
71-43-2	Benzene	0.640	U	ug/L	EPA 8260C	1	0.640	1.000	08/08/14	08/08/14	PLS
79-01-6	Trichloroethene	0.680	U	ug/L	EPA 8260C	1	0.680	1.000	08/08/14	08/08/14	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
75-27-4	Bromodichloromethane	0.500	U	ug/L	EPA 8260C	1	0.500	0.500	08/08/14	08/08/14	PLS
106-93-4	1,2-Dibromoethane (EDB)	0.019	U	ug/L	EPA 8260C	1	0.019	0.020	08/08/14	08/08/14	PLS
10061-01-5	cis-1,3-Dichloropropene	0.590	U	ug/L	EPA 8260C	1	0.590	1.000	08/08/14	08/08/14	PLS
108-88-3	Toluene	0.660	U	ug/L	EPA 8260C	1	0.660	1.000	08/08/14	08/08/14	PLS
10061-02-6	trans-1,3-Dichloropropene	0.530	U	ug/L	EPA 8260C	1	0.530	1.000	08/08/14	08/08/14	PLS
79-00-5	1,1,2-Trichloroethane	0.540	U	ug/L	EPA 8260C	1	0.540	1.000	08/08/14	08/08/14	PLS
142-28-9	1,3-Dichloropropane	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
127-18-4	Tetrachloroethene	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
124-48-1	Dibromochloromethane	0.400	U	ug/L	EPA 8260C	1	0.400	0.400	08/08/14	08/08/14	PLS
108-90-7	Chlorobenzene	0.670	U	ug/L	EPA 8260C	1	0.670	1.000	08/08/14	08/08/14	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
100-41-4	Ethylbenzene	0.730	U	ug/L	EPA 8260C	1	0.730	1.000	08/08/14	08/08/14	PLS

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012846
COC#: 19131
REPORTED: 8/14/2014 10:51:52AM
PROJECT #: [none]
PROJECT: Parcel N-11

Description: TMW-4 **Lab ID:** 0012846-04 **Sampled:** 08/06/14 14:09
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/06/14 14:40

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
108-38-3/106-42-3	m,p-Xylene	0.760	U	ug/L	EPA 8260C	1	0.760	1.000	08/08/14	08/08/14	PLS
95-47-6	o-Xylene	0.870	U	ug/L	EPA 8260C	1	0.870	1.000	08/08/14	08/08/14	PLS
75-25-2	Bromoform	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
541-73-1	1,3-Dichlorobenzene	0.310	U	ug/L	EPA 8260C	1	0.310	1.000	08/08/14	08/08/14	PLS
106-46-7	1,4-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.740	U	ug/L	EPA 8260C	1	0.740	1.000	08/08/14	08/08/14	PLS
95-50-1	1,2-Dichlorobenzene	0.510	U	ug/L	EPA 8260C	1	0.510	1.000	08/08/14	08/08/14	PLS
96-18-4	1,2,3-Trichloropropane	0.200	U	ug/L	EPA 8260C	1	0.200	0.200	08/08/14	08/08/14	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260C	1	0.002	0.002	08/08/14	08/08/14	PLS
108-86-1	Bromobenzene	0.850	U	ug/L	EPA 8260C	1	0.850	1.000	08/08/14	08/08/14	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.000	U	ug/L	EPA 8260C	1	1.000	1.000	08/08/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
1868-53-7	Surrogate: Dibromofluoromethane	97.9 %		Limit 62-200
2037-26-5	Surrogate: Toluene-d8	89.8 %		Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	166 %		Limit 50-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	08/07/14	08/08/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	76.9 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	36.2 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	08/07/14	08/12/14	DD

Palm Beach Environmental Laboratories Inc.

Notes and Definitions

U	Analyte included in the analysis, but not detected
I	The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit
JEE	Analysis performed by Florida Environmental Cert#E86006

APPENDIX C

TEST TRENCH
SOIL ANALYTICAL LABORATORY RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Palm Beach Environmental Laboratories, Inc.

PBEL

CHAIN OF CUSTODY RECORD

Log #: 12863
PO #:
Quote #:
FDEP :

Company Name: URS CORPORATION SOUTHERN
Address: 7800 CONGRESS AVE, SUITE 200
City: BOCA RATON State: FL Zip: 33487
Attn: ED LEDING Phone: (561) 862-1029
email: ed.leding@URS.COM Fax#:
Project Name: N-11 POND Proj#: 38619-974
Sampler Signature / Name: [signature]

LAB ANALYSIS

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	EPA 8270 FULL LIST	FL-PRO	AS CR Cd Pb	SPLP Pb (Added per EL) 9/2/14					
pH																
PRES CODE								I	I	I						
1	NORTHEAST TRENCH	8/14/14	10:53	SO			2	✓	✓	✓						
2	WEST TRENCH	8/14/14	11:57	SO			2	✓	✓	✓	✓					
3	WEST SOUTH TRENCH	8/14/14	1:15	SO			2	✓	✓	✓						
4	SOUTH WEST TRENCH	8/14/14	1:43	SO			2	✓	✓	✓	✓					
5																
6																
7																
8																
9																
0																

Matrix Codes

Code	Description	Code	Description
SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water		
SW	Surface Water	O	Other (Please Specify)

Press Codes

A. None E. HCL O. Other
B. HNO3 F. MeOH
C. H2SO4 G. Na2S2O3
D. NaOH I. Ice

T.A.T. Request: Standard (Y) N; RUSH: 24 Hour / 48 Hour Date Due:

QA/QC Report Level: None__ 1__ 2__ 3__ Other__

COC OK: (Y) N

Initials:

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time
	[signature]	URS	8/14/14	2:15	[signature]	PBEL	8/14/14	1415

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 4.4 °C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

Page 1 of 1

COC# 19948

Palm Beach Environmental
Laboratories Inc.

Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0012863

September 09, 2014

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

(1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.

(2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.

(3) Results for all solid matrices are reported in dry weight unless otherwise noted.

(4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.

(5) Samples are disposed of within 30 days of their receipt by the laboratory.

(6) A statement of Qualifiers is available upon request.

(7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.

(8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.

(9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: Northeast Trench
Matrix: Soil
Lab ID: 0012863-01
Sampled By: Ed Leding
Sampled: 08/14/14 10:53
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
83-32-9	Acenaphthene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
208-96-8	Acenaphthylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
62-53-3	Aniline	0.004	U	mg/kg	EPA 3545 / 8270C	1	0.004	0.004	08/18/14	08/18/14	PLS
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
56-55-3	Benzo[a]anthracene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS
50-32-8	Benzo[a]pyrene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
205-99-2	Benzo[b]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.02	08/18/14	08/18/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.1	08/18/14	08/18/14	PLS
207-08-9	Benzo[k]fluoranthene	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
111-91-1	bis(2-Chloroethoxy)methane	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
39638-32-9	bis(2-chloroisopropyl)ether	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.3	08/18/14	08/18/14	PLS
117-81-7	**bis(2-Ethylhexyl)phthalate**	**0.3**		mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
NA	bis(Chloroethyl)ether	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
101-55-3	4-Bromophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
85-68-7	Butylbenzylphthalate	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
59-50-7	4-Chloro-3-methylphenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
91-58-7	2-Chloronaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-57-8	2-Chlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
7005-72-3	4-Chlorophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
218-01-9	Chrysene	0.005	U	mg/kg	EPA 3545 / 8270C	1	0.005	0.02	08/18/14	08/18/14	PLS
132-64-9	Dibenzofuran	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.05	08/18/14	08/18/14	PLS
95-50-1	1,2-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
541-73-1	1,3-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
106-46-7	1,4-Dichlorobenzene	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
120-83-2	2,4-Dichlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
87-65-0	2,6-Dichlorophenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
84-66-2	Diethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
105-67-9	2,4-Dimethylphenol	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
131-11-3	Dimethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
84-74-2	**Di-n-butylphthalate**	**0.2**	I	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
99-65-0	1,3-Dinitrobenzene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.3	08/18/14	08/18/14	PLS
51-28-5	2,4-Dinitrophenol	0.09	U	mg/kg	EPA 3545 / 8270C	1	0.09	0.3	08/18/14	08/18/14	PLS
121-14-2	2,4-Dinitrotoluene	0.009	U	mg/kg	EPA 3545 / 8270C	1	0.009	0.009	08/18/14	08/18/14	PLS
606-20-2	2,6-Dinitrotoluene	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: Northeast Trench
Matrix: Soil
Lab ID: 0012863-01
Sampled By: Ed Leding
Sampled: 08/14/14 10:53
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
117-84-0	Di-n-octylphthalate	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.3	08/18/14	08/18/14	PLS
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
86-73-7	Fluorene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-68-3	Hexachlorobutadiene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
77-47-4	Hexachlorocyclopentadiene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
67-72-1	Hexachloroethane	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.2	08/18/14	08/18/14	PLS
78-59-1	Isophorone	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-48-7	2-Methylphenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
108-39-4	3-Methylphenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
106-44-5	4-Methylphenol	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
90-12-0	1-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
99-09-2	3-Nitroaniline	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS
621-64-7	N-Nitroso-di-n-propylamine	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
91-20-3	Naphthalene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
88-74-4	2-Nitroaniline	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
100-01-6	4-Nitroaniline	0.008	U	mg/kg	EPA 3545 / 8270C	1	0.008	0.008	08/18/14	08/18/14	PLS
98-95-3	Nitrobenzene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
88-75-5	2-Nitrophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
100-02-7	4-Nitrophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
608-93-5	Pentachlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-86-5	Pentachlorophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.1	08/18/14	08/18/14	PLS
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
108-95-2	Phenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
129-00-0	Pyrene	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
95-94-3	1,2,4,5-Tetrachlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
58-90-2	2,3,4,6-Tetrachlorophenol	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
120-82-1	1,2,4-Trichlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-95-4	2,4,5-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
88-06-2	2,4,6-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
367-12-4	Surrogate: 2-Fluorophenol	75.0 %		Limit 42-146
NA	Surrogate: Phenol-d5	70.2 %		Limit 43-148
NA	Surrogate: Nitrobenzene-d5	102 %		Limit 35-139

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: Northeast Trench **Lab ID:** 0012863-01 **Sampled:** 08/14/14 10:53
Matrix: Soil **Sampled By:** Ed Leding **Received:** 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	96.3 %			Limit 37-141						
118-79-6	Surrogate: 2,4,6-Tribromophenol	155 %			Limit 45-142						
NA	Surrogate: p-Terphenyl-d14	106 %			Limit 40-135						

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**FLPRO Total**	**6.30**		mg/kg	EPA 3545 /RO	1	0.0800	0.240	08/18/14	08/18/14	PLS
		% Recovery	**Q**	**% Recovery Limits**							
84-15-1	Surrogate: o-Terphenyl	85.5 %		Limit 70-130							
7194-86-7	Surrogate: Nonatriacontane	51.2 %		Limit 42-193							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	**Arsenic**	**0.208**	I	mg/kg dry	EPA 6020B	1	0.004	0.250	08/19/14	08/19/14	DD
7440-43-9	Cadmium	0.004	U	mg/kg dry	EPA 6020B	1	0.004	0.500	08/19/14	08/19/14	DD
7440-47-3	**Chromium**	**3.4**		mg/kg dry	EPA 6020B	1	0.004	0.05	08/19/14	08/19/14	DD
7439-92-1	**Lead**	**25.2**		mg/kg dry	EPA 6020B	1	0.008	0.250	08/19/14	08/19/14	DD

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**80.0**		%	Calculation	1	1.0	1.0	08/19/14	08/19/14	DD

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7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West Trench
Matrix: Soil
Lab ID: 0012863-02
Sampled By: Ed Leding
Sampled: 08/14/14 11:51
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
83-32-9	Acenaphthene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
208-96-8	Acenaphthylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
62-53-3	Aniline	0.004	U	mg/kg	EPA 3545 / 8270C	1	0.004	0.004	08/18/14	08/18/14	PLS
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
56-55-3	Benzo[a]anthracene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS
50-32-8	Benzo[a]pyrene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
205-99-2	Benzo[b]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.02	08/18/14	08/18/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.1	08/18/14	08/18/14	PLS
207-08-9	Benzo[k]fluoranthene	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
111-91-1	bis(2-Chloroethoxy)methane	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
39638-32-9	bis(2-chloroisopropyl)ether	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.3	08/18/14	08/18/14	PLS
117-81-7	**bis(2-Ethylhexyl)phthalate**	**1.2**		mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
NA	bis(Chloroethyl)ether	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
101-55-3	4-Bromophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
85-68-7	Butylbenzylphthalate	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
59-50-7	4-Chloro-3-methylphenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
91-58-7	2-Chloronaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-57-8	2-Chlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
7005-72-3	4-Chlorophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
218-01-9	Chrysene	0.005	U	mg/kg	EPA 3545 / 8270C	1	0.005	0.02	08/18/14	08/18/14	PLS
132-64-9	Dibenzofuran	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.05	08/18/14	08/18/14	PLS
95-50-1	1,2-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
541-73-1	1,3-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
106-46-7	1,4-Dichlorobenzene	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
120-83-2	2,4-Dichlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
87-65-0	2,6-Dichlorophenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
84-66-2	Diethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
105-67-9	2,4-Dimethylphenol	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
131-11-3	Dimethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
84-74-2	**Di-n-butylphthalate**	**0.2**	I	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
99-65-0	1,3-Dinitrobenzene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.3	08/18/14	08/18/14	PLS
51-28-5	2,4-Dinitrophenol	0.09	U	mg/kg	EPA 3545 / 8270C	1	0.09	0.3	08/18/14	08/18/14	PLS
121-14-2	2,4-Dinitrotoluene	0.009	U	mg/kg	EPA 3545 / 8270C	1	0.009	0.009	08/18/14	08/18/14	PLS
606-20-2	2,6-Dinitrotoluene	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West Trench
Matrix: Soil
Lab ID: 0012863-02
Sampled By: Ed Leding
Sampled: 08/14/14 11:51
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
117-84-0	Di-n-octylphthalate	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.3	08/18/14	08/18/14	PLS
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
86-73-7	Fluorene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-68-3	Hexachlorobutadiene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
77-47-4	Hexachlorocyclopentadiene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
67-72-1	Hexachloroethane	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.2	08/18/14	08/18/14	PLS
78-59-1	Isophorone	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-48-7	2-Methylphenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
108-39-4	3-Methylphenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
106-44-5	4-Methylphenol	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
90-12-0	1-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
99-09-2	3-Nitroaniline	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS
621-64-7	N-Nitroso-di-n-propylamine	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
91-20-3	Naphthalene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
88-74-4	2-Nitroaniline	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
100-01-6	4-Nitroaniline	0.008	U	mg/kg	EPA 3545 / 8270C	1	0.008	0.008	08/18/14	08/18/14	PLS
98-95-3	Nitrobenzene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
88-75-5	2-Nitrophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
100-02-7	4-Nitrophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
608-93-5	Pentachlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-86-5	Pentachlorophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.1	08/18/14	08/18/14	PLS
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
108-95-2	Phenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
129-00-0	Pyrene	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
95-94-3	1,2,4,5-Tetrachlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
58-90-2	2,3,4,6-Tetrachlorophenol	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
120-82-1	1,2,4-Trichlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-95-4	2,4,5-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
88-06-2	2,4,6-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
367-12-4	Surrogate: 2-Fluorophenol	74.2 %		Limit 42-146
NA	Surrogate: Phenol-d5	62.6 %		Limit 43-148
NA	Surrogate: Nitrobenzene-d5	112 %		Limit 35-139

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7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
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LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West Trench **Lab ID:** 0012863-02 **Sampled:** 08/14/14 11:51
Matrix: Soil **Sampled By:** Ed Leding **Received:** 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	102 %			Limit 37-141						
118-79-6	Surrogate: 2,4,6-Tribromophenol	93.2 %			Limit 45-142						
NA	Surrogate: p-Terphenyl-d14	110 %			Limit 40-135						

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**FLPRO Total**	**0.852**		mg/kg	EPA 3545 /RO	1	0.0800	0.240	08/18/14	08/18/14	PLS
		% Recovery	**Q**	**% Recovery Limits**							
84-15-1	Surrogate: o-Terphenyl	68.0 %		Limit 70-130							
7194-86-7	Surrogate: Nonatriacontane	46.6 %		Limit 42-193							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	**Arsenic**	**1.41**		mg/kg dry	EPA 6020B	1	0.003	0.244	08/19/14	08/19/14	DD
7440-43-9	**Cadmium**	**0.767**		mg/kg dry	EPA 6020B	1	0.003	0.488	08/19/14	08/19/14	DD
7440-47-3	**Chromium**	**12.5**		mg/kg dry	EPA 6020B	1	0.003	0.05	08/19/14	08/19/14	DD
7439-92-1	**Lead**	**128**		mg/kg dry	EPA 6020B	1	0.008	0.244	08/19/14	08/19/14	DD

Metals SPLP EPA 1312

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	**Lead**	**0.0139**		mg/L	EPA 6020B	1	0.000012	0.0050	09/09/14	09/09/14	DD

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**82.0**		%	Calculation	1	1.0	1.0	08/19/14	08/19/14	DD

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West South Trench
Matrix: Soil
Lab ID: 0012863-03
Sampled By: Ed Leding
Sampled: 08/14/14 13:15
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
83-32-9	Acenaphthene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
208-96-8	Acenaphthylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
62-53-3	Aniline	0.004	U	mg/kg	EPA 3545 / 8270C	1	0.004	0.004	08/18/14	08/18/14	PLS
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
56-55-3	Benzo[a]anthracene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS
50-32-8	Benzo[a]pyrene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
205-99-2	Benzo[b]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.02	08/18/14	08/18/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.1	08/18/14	08/18/14	PLS
207-08-9	Benzo[k]fluoranthene	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
111-91-1	bis(2-Chloroethoxy)methane	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
39638-32-9	bis(2-chloroisopropyl)ether	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.3	08/18/14	08/18/14	PLS
117-81-7	**bis(2-Ethylhexyl)phthalate**	**1.1**		mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
NA	bis(Chloroethyl)ether	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
101-55-3	4-Bromophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
85-68-7	Butylbenzylphthalate	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
59-50-7	4-Chloro-3-methylphenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
91-58-7	2-Chloronaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-57-8	2-Chlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
7005-72-3	4-Chlorophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
218-01-9	Chrysene	0.005	U	mg/kg	EPA 3545 / 8270C	1	0.005	0.02	08/18/14	08/18/14	PLS
132-64-9	Dibenzofuran	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.05	08/18/14	08/18/14	PLS
95-50-1	1,2-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
541-73-1	1,3-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
106-46-7	1,4-Dichlorobenzene	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
120-83-2	2,4-Dichlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
87-65-0	2,6-Dichlorophenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
84-66-2	Diethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
105-67-9	2,4-Dimethylphenol	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
131-11-3	Dimethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
84-74-2	**Di-n-butylphthalate**	**0.2**	I	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
99-65-0	1,3-Dinitrobenzene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.3	08/18/14	08/18/14	PLS
51-28-5	2,4-Dinitrophenol	0.09	U	mg/kg	EPA 3545 / 8270C	1	0.09	0.3	08/18/14	08/18/14	PLS
121-14-2	2,4-Dinitrotoluene	0.009	U	mg/kg	EPA 3545 / 8270C	1	0.009	0.009	08/18/14	08/18/14	PLS
606-20-2	2,6-Dinitrotoluene	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS

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CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West South Trench
Matrix: Soil
Lab ID: 0012863-03
Sampled By: Ed Leding
Sampled: 08/14/14 13:15
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
117-84-0	Di-n-octylphthalate	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.3	08/18/14	08/18/14	PLS
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
86-73-7	Fluorene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-68-3	Hexachlorobutadiene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
77-47-4	Hexachlorocyclopentadiene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
67-72-1	Hexachloroethane	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.2	08/18/14	08/18/14	PLS
78-59-1	Isophorone	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-48-7	2-Methylphenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
108-39-4	3-Methylphenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
106-44-5	4-Methylphenol	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
90-12-0	1-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
99-09-2	3-Nitroaniline	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS
621-64-7	N-Nitroso-di-n-propylamine	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
91-20-3	Naphthalene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
88-74-4	2-Nitroaniline	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
100-01-6	4-Nitroaniline	0.008	U	mg/kg	EPA 3545 / 8270C	1	0.008	0.008	08/18/14	08/18/14	PLS
98-95-3	Nitrobenzene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
88-75-5	2-Nitrophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
100-02-7	4-Nitrophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
608-93-5	Pentachlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-86-5	Pentachlorophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.1	08/18/14	08/18/14	PLS
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
108-95-2	Phenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
129-00-0	Pyrene	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
95-94-3	1,2,4,5-Tetrachlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
58-90-2	2,3,4,6-Tetrachlorophenol	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
120-82-1	1,2,4-Trichlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-95-4	2,4,5-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
88-06-2	2,4,6-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
367-12-4	Surrogate: 2-Fluorophenol	85.0 %		Limit 42-146
NA	Surrogate: Phenol-d5	80.9 %		Limit 43-148
NA	Surrogate: Nitrobenzene-d5	110 %		Limit 35-139

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7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: West South Trench
Matrix: Soil
Lab ID: 0012863-03
Sampled By: Ed Leding
Sampled: 08/14/14 13:15
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	97.8 %			Limit 37-141						
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.9 %			Limit 45-142						
NA	Surrogate: p-Terphenyl-d14	109 %			Limit 40-135						

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**FLPRO Total**	**3.28**		mg/kg	EPA 3545 /RO	1	0.0800	0.240	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	83.4 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	49.2 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	Arsenic	0.004	U	mg/kg dry	EPA 6020B	1	0.004	0.253	08/19/14	08/19/14	DD
7440-43-9	Cadmium	0.004	U	mg/kg dry	EPA 6020B	1	0.004	0.506	08/19/14	08/19/14	DD
7440-47-3	**Chromium**	**5.0**		mg/kg dry	EPA 6020B	1	0.004	0.05	08/19/14	08/19/14	DD
7439-92-1	**Lead**	**31.4**		mg/kg dry	EPA 6020B	1	0.008	0.253	08/19/14	08/19/14	DD

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**79.0**		%	Calculation	1	1.0	1.0	08/19/14	08/19/14	DD

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: South West Trench
Matrix: Soil
Lab ID: 0012863-04
Sampled By: Ed Leding
Sampled: 08/14/14 13:43
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
83-32-9	Acenaphthene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
208-96-8	Acenaphthylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
62-53-3	Aniline	0.004	U	mg/kg	EPA 3545 / 8270C	1	0.004	0.004	08/18/14	08/18/14	PLS
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
56-55-3	Benzo[a]anthracene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS
50-32-8	Benzo[a]pyrene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
205-99-2	Benzo[b]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.02	08/18/14	08/18/14	PLS
191-24-2	Benzo[g,h,i]perylene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.1	08/18/14	08/18/14	PLS
207-08-9	Benzo[k]fluoranthene	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
111-91-1	bis(2-Chloroethoxy)methane	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
39638-32-9	bis(2-chloroisopropyl)ether	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.3	08/18/14	08/18/14	PLS
117-81-7	**bis(2-Ethylhexyl)phthalate**	**0.3**		mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
NA	bis(Chloroethyl)ether	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
101-55-3	4-Bromophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
85-68-7	Butylbenzylphthalate	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
59-50-7	4-Chloro-3-methylphenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
91-58-7	2-Chloronaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-57-8	2-Chlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
7005-72-3	4-Chlorophenyl-phenylether	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
218-01-9	Chrysene	0.005	U	mg/kg	EPA 3545 / 8270C	1	0.005	0.02	08/18/14	08/18/14	PLS
132-64-9	Dibenzofuran	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
53-70-3	Dibenz[a,h]anthracene	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.05	08/18/14	08/18/14	PLS
95-50-1	1,2-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
541-73-1	1,3-Dichlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
106-46-7	1,4-Dichlorobenzene	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
120-83-2	2,4-Dichlorophenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
87-65-0	2,6-Dichlorophenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
84-66-2	Diethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
105-67-9	2,4-Dimethylphenol	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
131-11-3	Dimethylphthalate	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
84-74-2	**Di-n-butylphthalate**	**0.2**	I	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
99-65-0	1,3-Dinitrobenzene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.3	08/18/14	08/18/14	PLS
51-28-5	2,4-Dinitrophenol	0.09	U	mg/kg	EPA 3545 / 8270C	1	0.09	0.3	08/18/14	08/18/14	PLS
121-14-2	2,4-Dinitrotoluene	0.009	U	mg/kg	EPA 3545 / 8270C	1	0.009	0.009	08/18/14	08/18/14	PLS
606-20-2	2,6-Dinitrotoluene	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
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LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: South West Trench
Matrix: Soil
Lab ID: 0012863-04
Sampled By: Ed Leding
Sampled: 08/14/14 13:43
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
117-84-0	Di-n-octylphthalate	0.05	U	mg/kg	EPA 3545 / 8270C	1	0.05	0.3	08/18/14	08/18/14	PLS
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
86-73-7	Fluorene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-68-3	Hexachlorobutadiene	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
77-47-4	Hexachlorocyclopentadiene	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
67-72-1	Hexachloroethane	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
193-39-5	Indeno[1,2,3-cd]pyrene	0.2	U	mg/kg	EPA 3545 / 8270C	1	0.2	0.2	08/18/14	08/18/14	PLS
78-59-1	Isophorone	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-48-7	2-Methylphenol	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
108-39-4	3-Methylphenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
106-44-5	4-Methylphenol	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
90-12-0	1-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
99-09-2	3-Nitroaniline	0.006	U	mg/kg	EPA 3545 / 8270C	1	0.006	0.006	08/18/14	08/18/14	PLS
621-64-7	N-Nitroso-di-n-propylamine	0.002	U	mg/kg	EPA 3545 / 8270C	1	0.002	0.002	08/18/14	08/18/14	PLS
91-20-3	Naphthalene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
88-74-4	2-Nitroaniline	0.007	U	mg/kg	EPA 3545 / 8270C	1	0.007	0.007	08/18/14	08/18/14	PLS
100-01-6	4-Nitroaniline	0.008	U	mg/kg	EPA 3545 / 8270C	1	0.008	0.008	08/18/14	08/18/14	PLS
98-95-3	Nitrobenzene	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.3	08/18/14	08/18/14	PLS
88-75-5	2-Nitrophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
100-02-7	4-Nitrophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.3	08/18/14	08/18/14	PLS
608-93-5	Pentachlorobenzene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
87-86-5	Pentachlorophenol	0.1	U	mg/kg	EPA 3545 / 8270C	1	0.1	0.1	08/18/14	08/18/14	PLS
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.3	08/18/14	08/18/14	PLS
108-95-2	Phenol	0.03	U	mg/kg	EPA 3545 / 8270C	1	0.03	0.03	08/18/14	08/18/14	PLS
129-00-0	Pyrene	0.04	U	mg/kg	EPA 3545 / 8270C	1	0.04	0.3	08/18/14	08/18/14	PLS
95-94-3	1,2,4,5-Tetrachlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
58-90-2	2,3,4,6-Tetrachlorophenol	0.01	U	mg/kg	EPA 3545 / 8270C	1	0.01	0.01	08/18/14	08/18/14	PLS
120-82-1	1,2,4-Trichlorobenzene	0.02	U	mg/kg	EPA 3545 / 8270C	1	0.02	0.3	08/18/14	08/18/14	PLS
95-95-4	2,4,5-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.3	08/18/14	08/18/14	PLS
88-06-2	2,4,6-Trichlorophenol	0.06	U	mg/kg	EPA 3545 / 8270C	1	0.06	0.06	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
367-12-4	Surrogate: 2-Fluorophenol	82.2 %		Limit 42-146
NA	Surrogate: Phenol-d5	78.6 %		Limit 43-148
NA	Surrogate: Nitrobenzene-d5	124 %		Limit 35-139

Palm Beach Environmental Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0012863
COC#: 19948
REPORTED: 9/9/2014 3:19:35PM
PROJECT #: 38619.974
PROJECT: Parcel N-11

Description: South West Trench
Matrix: Soil
Lab ID: 0012863-04
Sampled By: Ed Leding
Sampled: 08/14/14 13:43
Received: 08/14/14 14:15

EPA Method 8270C in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	102 %			Limit 37-141						
118-79-6	Surrogate: 2,4,6-Tribromophenol	22.7 %			Limit 45-142						
NA	Surrogate: p-Terphenyl-d14	112 %			Limit 40-135						

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**FLPRO Total**	**1.91**		mg/kg	EPA 3545 /RO	1	0.0800	0.240	08/18/14	08/18/14	PLS

		% Recovery	Q	% Recovery Limits
84-15-1	Surrogate: o-Terphenyl	60.1 %		Limit 70-130
7194-86-7	Surrogate: Nonatriacontane	46.7 %		Limit 42-193

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7440-38-2	**Arsenic**	**0.641**		mg/kg dry	EPA 6020B	1	0.003	0.235	08/19/14	08/19/14	DD
7440-43-9	Cadmium	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.471	08/19/14	08/19/14	DD
7440-47-3	**Chromium**	**5.3**		mg/kg dry	EPA 6020B	1	0.003	0.05	08/19/14	08/19/14	DD
7439-92-1	**Lead**	**48.1**		mg/kg dry	EPA 6020B	1	0.008	0.235	08/19/14	08/19/14	DD

Metals SPLP EPA 1312

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
7439-92-1	Lead	0.000012	U	mg/L	EPA 6020B	1	0.000012	0.0050	09/09/14	09/09/14	DD

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
NA	**% Solids**	**85.0**		%	Calculation	1	1.0	1.0	08/19/14	08/19/14	DD

Notes and Definitions

U	Analyte included in the analysis, but not detected
I	The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit

Low Score Site Initiative Assessment Report

FORMER PALM TRAN FACILITY

PBIA, FORMER BUILDING S-1440

WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

DEP FACILITY NO. 50/8514018

November 10, 2015

Terracon Project No. HD157021

Prepared for:

Florida Department of Environmental Protection
Tallahassee, Florida

Prepared by:

Terracon Consultants, Inc.
West Palm Beach, Florida

November 10, 2015

Attention: Mr. J. Michael Wilson
NorthStar Contracting Group, Inc.
508-A Capital Circle S.E.
Tallahassee, FL 32301

P: (850) 222-6446, ext. 237
E: mwilson@NorthStar.com

Re: Low Score Site Initiative Assessment Report
Former Palm Tran Facility
PBIA, Former Building S-1440
West Palm Beach, Palm Beach County, Florida
DEP Facility No. 50/8514018
Discharge Date: 11/05/1987 (EDI)
Priority Score: 10
Work Order: 2015-95-W8884A
Terracon Project No: HD157021

Dear Mr. Wilson:

Terracon Consultants, Inc. (Terracon) has conducted assessment activities at the referenced site as approved by the Florida Department of Environmental Protection (DEP) in the Low Scored Site Initiative (LSSI) Work Order No. 2015-95-W8884A executed on September 11, 2015. The work was performed in accordance with the Work Order based on Terracon's revised proposal dated September 10, 2015.

We appreciate the opportunity to perform these services. Please contact the undersigned at (561) 494-7016 if you have questions regarding the information provided in the report.

Sincerely,
Terracon

Andrew Petric, P.G.
Project Manager
Florida License No. PG2788

ANDREW PETRIC LICENSE No. PG2788 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

11/10/2015

/FOR
Eric Krebill, P.G.
Senior Project Manager

cc: Mr. John Tierney, Palm Beach County Facilities Development (jtierney@pbcgov.org)

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LIST OF APPENDICES

LIST OF APPENDICES (continued)

Appendix C: Field Logs (Boring Logs, Well Construction and Development Logs, Field Notes, Groundwater Sampling Logs, & Equipment Calibration Log) and Well Permit and Completion Reports

Appendix D: Laboratory Analytical Reports and Chain-of-Custody Records

LOW SCORE SITE INITIATIVE ASSESSMENT REPORT

FORMER PALM TRAN FACILITY
PBIA, FORMER BUILDING S-1440
WEST PALM BEACH, PALM BEACH COUNTY, FLORIDA

Terracon Project No. HD157021
DEP Facility No. 50/8514018
November 10, 2015

1.0 INTRODUCTION

1.1 Site Description

Site Name	Former Palm Tran Facility
Site Location/Address	Palm Beach International Airport (PBIA) Former Building S-1440 West Palm Beach, Palm Beach County, Florida Latitude: 26° 41.303'N Longitude: 80° 4.658'W
Site Improvements	Commercial/industrial setting. Former bus fueling facility razed in the 2000s. Remnant asphalt and concrete pavement, apparent stormwater and sewer underground utilities

Current assessment data are summarized in tables contained in Appendix A. The site location is indicated on Exhibit 1 in Appendix B. A site diagram is provided as Exhibit 2 in Appendix B.

1.2 Background

Terracon has conducted low scored site initiative (LSSI) assessment activities at the referenced site as authorized by the Florida Department of Environmental Protection (DEP) in the LSSI Work Order 2015-95-W8884A executed on September 10, 2015. The purpose of this assessment is to determine the appropriate Screening Endpoint Category for the former Palm Tran Facility site.

1.3 Screening Endpoint Categories

a. Imminent Threat (IT)
- Based on a Bureau of Petroleum Storage Systems (BPSS) evaluation of information submitted in the report and other available information
- Start funding cleanup with IT funding priority
- Continue funding IT until threat is gone

b. Long-Term Natural Attenuation Monitoring (LtNAM)
- Qualifies pursuant to current LtNAM guidelines
- Funding for LtNAM activities will occur after the site becomes eligible based on the priority ranking score.