

June 20, 2014

Mr. Mostafa Mehran Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118

Re: Response to ADEQ Correspondence Dated June 9, 2014
Area 1 Soil Investigation Work Plan
Whirlpool Corporation
Fort Smith, Arkansas
EPA No. ARD042755389
AFIN No. 66-00048
CAO LIS 13-202

Dear Mr. Mehran:

ENVIRON International Corporation (ENVIRON), on behalf of Whirlpool Corporation, is submitting this response to your June 9, 2014 comment letter. We appreciate ADEQ's feedback regarding our ongoing monitoring and validation activities, which are a critical element of the adaptive remedy approach. This process of gathering, validating, summarizing and incorporating data into our understanding of the site is enabling us to make informed adjustments to our remediation plans in order to meet the goals of the RADD.

In your letter, you requested that lithology of the soil encountered at all Direct Push Technology ("DPT") points be described and recorded. It is standard practice for ENVIRON to prepare boring logs describing the lithology of the soil encountered during performance of site investigation. Specifically in response to your request, ENVIRON will prepare boring logs describing the soil lithology encountered during investigation activities. Further, we propose to utilize conventional sonic or hollow stem auger drilling techniques and DPT to complete the borings for the investigation. Sonic drilling will be used as much as possible to maximize the ability to generate undisturbed core samples while advancing to the bedrock surface.

ADEQ also requested investigation of impacts characterized by Membrane Interface Probes (MIPs) beneath the on-site manufacturing building. The MIP screening and soil and groundwater data from soil probes performed to investigate the MIP screening data was completed between September 2013 and January 2014 (see Appendix A, Tables 1 and 2). The MIP probe locations and the soil probe locations consist of on-site and off-site locations including locations beneath the manufacturing building. This data was provided to ADEQ on March 5, 2014 and was included in the 1st Quarter 2014 Progress Report submitted on May 15, 2014. The previously submitted MIP and soil and groundwater data is provided in Appendix A.

To supplement the soil and groundwater data collected from soil probes associated with the MIP investigation, five groundwater monitoring wells are proposed to be installed near the northeast

corner of the manufacturing building to characterize the potential extent of groundwater impacts that may extend beyond the boundaries of the building as suggested by the MIP screening data (M-251) and subsequent soil and groundwater data from DP-22. These new monitoring wells will be installed and sampled during the week of June 23, 2014. The locations for the five wells are depicted on the attached figure.

The proposed new monitoring wells will be constructed and developed in accordance with previous work plans for the Whirlpool project. Groundwater samples from these monitoring wells will be collected using low-flow sampling techniques and groundwater samples will be analyzed for volatile organic compounds (VOCs) using EPA Method 8260.

The results of the supplemental investigation for Area 1 and the proposed investigation at the northeast corner of the manufacturing building will be presented in separate letter reports to be included with the Second Quarterly Progress Report to be issued on August 15, 2014. Boring logs with monitoring well construction details, as appropriate, will be completed and included with the respective letter reports.

If you have any questions or comments please contact me at your earliest convenience.

Sincerely,

ENVIRON International Corporation

Michael F. Ellis, PE

Principal

FIGURE

Figure 1: Proposed Monitoring Well Locations - Northeast Corner Investigation

APPENDIX A

Tables: Table 1: Summary of Direct Push Soil Analytical Results

Table 2: Summary of Direct Push Groundwater Analytical Results

Figures: Figure 3-3: MIP Screening Locations

Figure 3-4: HPT, Slug Testing, Bench Test Sample and DPT Locations

Attachment: DPT Boring Logs





FIGURE





PROPOSED MONITORING WELL

Whirlpool Facility - Fort Smith, Arkansas

Figure

PROPOSED MONITORING WELL LOCATIONS NORTHEAST CORNER INVESTIGATION

APPENDIX A



TABLE 1 DPT Soil Sampling - Trichloroethene (TCE) Analytical Results Whirlpool Corporation - Ft. Smith, AR

PARAMETER	DP-0	01	DP-0	2	DP-	03	DP-0	04	DP-0)5	DP-0	06	DP-06	DUP
TANAMETEN	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
DEPTH (0-5 foot bgs interval)														
2 feet bgs (mg/kg)														
2.5-3 feet bgs (mg/kg)			0.0013	J										
3-3.5 feet bgs (mg/kg)														
4 feet bgs (mg/kg)														
4-4.5 feet bgs (mg/kg)					0.0026	J								
DEPTH (5-10 foot bgs interval)	•				•						•			
5-5.5 feet bgs (mg/kg)														
5.5-6 feet bgs (mg/kg)											13			
6-6.5 feet bgs (mg/kg)			< 0.0038											
8 feet bgs (mg/kg)														
8.5-9 feet bgs (mg/kg)											2.1			
9 feet bgs (mg/kg)														
9-9.5 feet (mg/kg)														
DEPTH (10-15 foot bgs interval)														
11 feet bgs (mg/kg)														
11-11.5 feet bgs (mg/kg)														
11.5-12 feet bgs (mg/kg)														
12 feet bgs (mg/kg)														
12-12.5 feet bgs (mg/kg)					0.0019	J								
12.5-13 feet bgs (mg/kg)														
14 feet (mg/kg)														
DEPTH 15-20 foot bgs interval)														
15-15.5 feet bgs (mg/kg)			0.087											
15.5-16 feet bgs (mg/kg)	0.0017	J												
18 feet bgs (mg/kg)														
18-18.5 feet bgs (mg/kg)							0.0049							
18.5-19 feet bgs (mg/kg)														
19-19.5 feet bgs (mg/kg)	0.016													
19.5-20 feet (mg/kg)														
DEPTH (20-25 foot bgs interval)														
21.5-22 feet bgs (mg/kg)									0.0039	J				
22.5-23 feet bgs (mg/kg)														
23.5-24 feet bgs (mg/kg)														
24.5-25 feet bgs (mg/kg)									0.0021	J				
DEPTH (25-30 foot bgs interval)														
25-25.5 feet bgs (mg/kg)							0.027							
25.5-26 feet bgs (mg/kg)											3.2		4.6	
27.5-28 feet bgs (mg/kg)														
28.5-29 feet bgs (mg/kg)														
29.5-30 feet bgs (mg/kg)														
NOTES:			i											

NOTES:

- -- = Sample not collected or not analyzed
- within that depth interval
- < = Not detected above reporting level
- bgs = Below ground surface

 J = Estimated value



TABLE 1 DPT Soil Sampling - Trichloroethene (TCE) Analytical Results Whirlpool Corporation - Ft. Smith, AR

	BORING IDENTIFICATION																										
PARAMETER	DP-07	DP-0)8	DP-0)9	DP-:	11	DP-11	DUP	DP-		DP-1		DP-14	DUP	DP-15		DP-1	16	DP-	·17	DP-1	18	DP-18	DUP	DP-2	22
PARAWELLER	Value Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value Qu	ıal	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
DEPTH (0-5 foot bgs interval)																	-										
2 feet bgs (mg/kg)																	T				-					-	-
2.5-3 feet bgs (mg/kg)																					-					-	-
3-3.5 feet bgs (mg/kg)				0.96																						-	-
4 feet bgs (mg/kg)																					-					-	-
4-4.5 feet bgs (mg/kg)										0.63	,										-					-	-
DEPTH (5-10 foot bgs interval)										<u> </u>	<u>'</u>									•				•			
5-5.5 feet bgs (mg/kg)				1.3													T				-					-	-
5.5-6 feet bgs (mg/kg)	270	66																			-					-	-
6-6.5 feet bgs (mg/kg)																					-					-	-
8 feet bgs (mg/kg)																		-		-	-					-	-
8.5-9 feet bgs (mg/kg)																				-	-					< 0.0044	1
9 feet bgs (mg/kg)																										-	-
9-9.5 feet (mg/kg)																		1.7		0.011	L					-	-
DEPTH (10-15 foot bgs interval)										•										•	•						
11 feet bgs (mg/kg)																					-					-	-
11-11.5 feet bgs (mg/kg)		110																			-					-	-
11.5-12 feet bgs (mg/kg)										0.84	Ļ	0.57									-					-	-
12 feet bgs (mg/kg)																					-					-	-
12-12.5 feet bgs (mg/kg)																					-					-	-
12.5-13 feet bgs (mg/kg)	200																				-					-	-
14 feet (mg/kg)																					-					-	-
DEPTH 15-20 foot bgs interval)																											
15-15.5 feet bgs (mg/kg)																					-					-	-
15.5-16 feet bgs (mg/kg)												0.63		0.73							-					-	-
18 feet bgs (mg/kg)											-							1		-	-					-	-
18-18.5 feet bgs (mg/kg)																				-	-					-	-
18.5-19 feet bgs (mg/kg)		3,300				1		-								0.4		1		-	-					-	-
19-19.5 feet bgs (mg/kg)																		-			-					-	-
19.5-20 feet (mg/kg)						1.2		1.1													-					-	-
DEPTH (20-25 foot bgs interval)																											
21.5-22 feet bgs (mg/kg)																					-					-	-
22.5-23 feet bgs (mg/kg)																5.8				-	-				$oxed{oxed}$	-	-
23.5-24 feet bgs (mg/kg)								-		-											-					-	-
24.5-25 feet bgs (mg/kg)											-										-					-	<u>-L</u>
DEPTH (25-30 foot bgs interval)																								_			
25-25.5 feet bgs (mg/kg)																5.7				-	-					-	-
25.5-26 feet bgs (mg/kg)																					-					-	-
27.5-28 feet bgs (mg/kg)																					-	0.35		0.38		0.0049	9 J
28.5-29 feet bgs (mg/kg)												1		1							-					-	
29.5-30 feet bgs (mg/kg)																		0.01			-					-	

NOTES:

-- = Sample not collected or not analyzed within that depth interval

< = Not detected above reporting level

bgs = Below ground surface

J = Estimated value



TABLE 2
SUMMARY OF DIRECT PUSH GROUNNDWATER ANALYTICAL RESULTS - DECEMBER 2013 THROUGH JANUARY 2014
Whirlpool Facility
Fort Smith, AR

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Location		DP-01	DP-02	DP-02	DP-03	DP-04	DP-05
ENVIRON Sample ID	Remedial Action	DP-01-20131219	DP-02-20131220 P	-02-20131220-FD	DP-03-20131218	DP-04-20131218	DP-05-20131217
Lab Sample ID	Levels per ADEQ	600-84460-3	600-84500-4	600-84500-5	600-84393-6	600-84393-5	600-84325-7
Sample Method	RADD Isssued						
Sample Date	2014	12/19/2013	12/20/2013	12/20/2013	12/18/2013	12/18/2013	12/17/2013
Comments				Field Duplicate			
Volatile Organic Compounds							
Acetone	12000	U (10)	U (10)	U (10)	U* (10)	U* (10)	4.3 J* (10)
Benzene	5.0	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Bromodichloromethane	80	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Chloroform	80	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,1-Dichloroethane	2.4	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,1-Dichloroethene	7.0	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,2-Dichloroethene (total)		U (10)	8.2 J (10)	8.7 J (10)	5.1 J (10)	2.3 J (10)	U (10)
cis-1,2-Dichloroethene	70	U (5)	8.2 (5)	8.7 (5)	5.1 (5)	2.3 J (5)	U (5)
trans-1,2-Dichloroethene	100	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Methylene Chloride	5.0	U (10)	U (10)	U (10)	U (10)	U (10)	U (10)
Tetrachloroethene	5.0	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Toluene	1000	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
1,1,2-Trichloroethane	5.0	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)
Trichloroethene	5.0	8 (5)	270 (50)	<u>270 (50)</u>	<u>120 (5)</u>	<u>57 (5)</u>	2.2 J (5)
Vinyl Chloride	2.0	U (2)	0.33 J (2)	0.34 J (2)	0.14 J (2)	0.15 J (2)	U (2)
m,p-xylene		U (10)	U (10)	U (10)	U (10)	U (10)	U (10)
ortho-xylene		Ú (5)	Ú (5)	Ú (5)	U (5)	Ú (5)	Ú (5)
Xylenes (total)	10000	U (5)	U (5)	U (5)	U (5)	U (5)	U (5)

Notes:

- 1 All concentrations are presented in ug/L.
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the Als for Fort Smith ADEQ RADD Isssued 2014 are <u>double</u> underlined.

Abbreviations:

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() -- Detection Limit

RADD -- Remedial Action Decision Document

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ug/L = micrograms per Liter

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TABLE 2
SUMMARY OF DIRECT PUSH GROUNNDWATER ANALYTICAL RESULTS - DECEMBER 2013 THROUGH JANUARY 2014
Whirlpool Facility
Fort Smith, AR

Location		DP-07	DP-12	DP-12	DP-14	DP-16	DP-18
ENVIRON Sample ID	Remedial Action	DP-07-20131217	DP-12-20140111 F	P-12-20140111-FD	DP-14-20140109	DP-16-20140110	DP-18-20140110
Lab Sample ID	Levels per ADEQ	600-84325-6	600-85474-8	600-85474-9	600-85316-7	600-85378-7	600-85378-4
Sample Method	RADD Isssued						
Sample Date	2014	12/17/2013	01/11/2014	01/11/2014	01/09/2014	01/10/2014	01/10/2014
Comments				Field Duplicate			
Volatile Organic Compounds							
Acetone	12000	U* (10)	4.7 J* (10)	U* (10)	U (50)	10 (10)	U (10)
Benzene	5.0	U (5)	0.71 JB (5)	0.68 JB (5)	U (25)	U (5)	U (5)
Bromodichloromethane	80	U (5)	U (5)	U (5)	U (25)	U (5)	U (5)
Chloroform	80	2.4 J (5)	U (5)	U (5)	6.5 J (25)	U (5)	U (5)
1,1-Dichloroethane	2.4	U (5)	U (5)	U (5)	U (25)	U (5)	<u>5 (5)</u>
1,1-Dichloroethene	7.0	<u>14 (5)</u>	U (5)	U (5)	<u>24 J (25)</u>	U (5)	<u>15 (5)</u>
1,2-Dichloroethene (total)		97 (10)	140 (10)	140 (10)	150 (50)	48 (10)	170 (10)
cis-1,2-Dichloroethene	70	<u>97 (5)</u>	<u>140 (5)</u>	<u>140 (5)</u>	<u>150 (25)</u>	48 (5)	<u>170 (5)</u>
trans-1,2-Dichloroethene	100	U (5)	2.5 J (5)	1.7 J (5)	U (25)	U (5)	2 J (5)
Methylene Chloride	5.0	4.1 J (10)	U (10)	U (10)	<u>12 JB (50)</u>	U (10)	U (10)
Tetrachloroethene	5.0	2.5 J (5)	U (5)	U (5)	U (25)	U (5)	3.8 J (5)
Toluene	1000	U (5)	0.96 JB (5)	1 JB (5)	U (25)	U (5)	U (5)
1,1,2-Trichloroethane	5.0	1.1 J (5)	U (5)	U (5)	U (25)	U (5)	U (5)
Trichloroethene	5.0	<u>12000 (500)</u>	<u>390 (50)</u>	<u>490 (50)</u>	<u>17000 (2500)</u>	<u>390 (25)</u>	<u>2800 (500)</u>
Vinyl Chloride	2.0	<u>21 (2)</u>	1.6 J (2)	1.3 J (2)	<u>16 J (25)</u>	<u>3.6 (2)</u>	U (20)
m,p-xylene		U (10)	U (10)	U (10)	U (50)	U (10)	U (10)
ortho-xylene		U (5)	U (5)	U (5)	U (25)	U (5)	U (5)
Xylenes (total)	10000	U (5)	U (5)	U (5)	U (25)	U (5)	U (5)

Notes:

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TABLE 2
SUMMARY OF DIRECT PUSH GROUNNDWATER ANALYTICAL RESULTS - DECEMBER 2013 THROUGH JANUARY 2014
Whirlpool Facility
Fort Smith, AR

			i ort Sillitii,	AIX	
Location		DP-22	SLUG-01	SLUG-02	SLUG-06
ENVIRON Sample ID	Remedial Action	DP-22-20140111	i-01-GW-20140108	i-02-GW-20140108	-06-GW-20140112
Lab Sample ID	Levels per ADEQ	600-85474-7	600-85259-3	600-85259-4	600-85474-10
Sample Method	RADD Isssued				
Sample Date	2014	01/11/2014	01/08/2014	01/08/2014	01/12/2014
Comments					
Volatile Organic Compounds					
Acetone	12000	16 (10)	U (10)	U (10)	5.6 J* (10)
Benzene	5.0	0.72 JB (5)	U (5)	U (5)	1.7 JB (5)
Bromodichloromethane	80	1.9 J (5)	U (5)	U (5)	U (5)
Chloroform	80	U (5)	U (5)	U (5)	4 J (5)
1,1-Dichloroethane	2.4	U (5)	U (5)	U (5)	<u>3.9 J (5)</u>
1,1-Dichloroethene	7.0	U (5)	U (5)	U (5)	<u>40 (5)</u>
1,2-Dichloroethene (total)		3 J (10)	7.7 J (10)	11 (10)	620 (200)
cis-1,2-Dichloroethene	70	3 J (5)	7.7 (5)	11 (5)	<u>620 (100)</u>
trans-1,2-Dichloroethene	100	U (5)	U (5)	U (5)	U (100)
Methylene Chloride	5.0	U (10)	U (10)	U (10)	<u>40 B (10)</u>
Tetrachloroethene	5.0	U (5)	U (5)	U (5)	3.6 J (5)
Toluene	1000	1.3 JB (5)	U (5)	U (5)	3.9 JB (5)
1,1,2-Trichloroethane	5.0	U (5)	U (5)	U (5)	2 J (5)
Trichloroethene	5.0	<u>170 (5)</u>	230 (50)	300 (50)	<u>11000 (1000)</u>
Vinyl Chloride	2.0	U (2)	U (2)	U (2)	31 (2)
m,p-xylene		U (10)	U (10)	U (10)	2.5 J (10)
ortho-xylene		Ú (5)	Ú (5)	Ú (5)	1.5 J (5)
Xylenes (total)	10000	U (5)	U (5)	U (5)	4 J (5)

Notes:

- 1 All concentrations are presented in ug/L.
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the Als for Fort Smith ADEQ RADD Isssued 2014 are <u>double</u> underlined.

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Environmental Quality

ug/L = micrograms per Liter

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			4	7 F	. 11	//	~ ·	i	Site ID:	DP-1	Date(s): 12 /1	9/2013
			-	/ El	11	/IR	7	1	Location:	Fort Smith, Ark	ansas	
			2118	N. Tyler Ro	ad, Wid	chita, Kans	as 67212	2	Logged By:	N. Zurweller		
Cons	ulting	g Firm	: E N	NVIRON					Checked By:	K. Stonestreet		
Contr	racto	r:	М	ohawk Dr	illing				Purpose: So	oil Boring		
Drillin	ng Me	ethod:	Di	rect Push	l				Datum: N	AVD88	Elevation: 47	3.69 amsl
Samp	oling	Metho	od: (Continuo	us Sai	mpler			North: 3693	86.66	East: 590976	5.20
Rema	arks:								Borehole Dia	a.: 2.5 inches	Total Depth:	24.5 feet
									Project Num	ber: 3433253A		
									Project Name	e: Whirlpool C	orporation	
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descript	tion	
		- -	2.5		3.1		CH MH			ROWN, WITH BROWN DNG BROWN MOTTLII		
470		5-		_	3.1		CL			ONG BROWN, STIFF T		
		-	4		2.9			SAND, MEDIUM S	AND, SLIGHTLY PI	LASTIC , STIFF, SLIGH /N, SOME GRAYISH B	ITLY COHESIVE	
465		10-	4		2.5			SILTY CLAY, STR SMALL ROUNDED		ME LIGHT GRAY MOT	TLING, SOME BLACK	(MODULES, TRAC
		-			3.6			SANDY CLAY, STI PLASTIC, SLIGHT		DME ROUNDED GRAV	EL, MEDIUM SAND,	STIFF, SLIGHTLY
460		-	3.5		3.9				DULES, VERY STIF	ITH LIGHT GREENISH FF, PLASTIC, SLIGHTL		
		15- -		DP-01 (15.5-16.0)	3.4					GHT GRAY MOTTLING ERED STREAKING LA		
455		-	4	DP-01 (19-19.5)	4.2			SANDY CLAY, STI PLASTIC, TRACE		RACE PALE RED STRE GRAY	EAKING, FINE SAND,	STIFF, MOIST,
		20-			5.6		SC	SAND, STRONG E	ROWN, MEDIUM S	AY, MEDIUM SAND, CO SAND, LOOSE, VERY I GRAYISH BROWN, M	MOIST	
		_	3.8		4.5		GC			MOIST TO VERY MOIS		IDED GRAVEL UP
450		25- -	0.5	-	4.3		GC			WN, WITH CLAY, MED TO 1", VERY MOIST.	IUM TO COARSE SA	ND, LOOSE,
445		-										
												Page 1 of

470 470 470 470 470 470 470 470	Contractor: Drilling Method	n: El	8 N. Tyler Ro				· · · · · · · · · · · · · · · · · · ·
Consulting Firm: ENVIRON Checked By: K. Stonestreet Contractor: Mohawk Drilling Purpose: Soil Boring Datum: NAVD88 Elevation: 472.53 amsl Datum: NAVD88 Elevation: 472.53 amsl Borehole Dia: 2.5 inches Total Depth: 27.5 feet Project Number: 3433253A Project Number: 3433253A Project Name: Whiripool Corporation Material Description Material Description Material Description Material Description Material Description SILTY CLAY FILL VERY DARK BROWN, SOME ROOT HAIRS, SUGHTLY STIFF, PLASTIC, MOIT CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTILING, VERY SILGHTLY MOIST, TRACE BLACK NODULES, VERY STIFF, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, CHUBBLES, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, CHUBBLES, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, CHUBBLES, SUGHTLY MOIST, INCREASING SAND WITH DEPTH SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, CHUBBLES, SUGHTLY MOIST, INCREASING SAND WITH DEPTH SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 16*, TRACE BLACK NODULES, PLASTIC, CHUBBLES, SUGHTLY MOIST, INCREASING SAND WITH DEPTH SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 17*, MEDILM SAND, STRONG BROWN, MEDILM TO COARSE SAND, LOGSE, VERY MOIST TO WET STREP, SAND, STRONG BROWN, MEDILM TO COARSE SAND, LOGSE, VERY MOIST TO WET STREP, SUGHTLY COHESIVE, WET 450 451 452 453 454 455 455 456 457 458	Contractor: Drilling Method	n: El	NVIRON	ad, Wid	chita, Kansa	as 67212	2 Logged Ry: N Zurweller
Contractor: Mohawk Drilling Purpose: Soil Boring Datum: NAVD88	Contractor: Drilling Method	M					
Drilling Method: Direct Push Datum: NAVD88 Elevation: 472.53 amst Sampling Method: Continuous Sampler Remarks: Borehole Dia: 2.5 inches Total Depth: 27.5 feet Project Number: 3433253A Project Number: 3433253A Project Name: Whiripool Corporation Material Description Material Description Material Description Material Description CL SILTY CLAY FILL VERY DARK BROWN, SOME BROWN HOTTLING, VERY SUBHILLY STIFF, PLASTIC, MOIST CLAYEY SILT, LIGHT BROWN, SOME BROWN HOTTLING, STIFF, PLASTIC, MOIST CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTTLING, STIFF, PLASTIC, SILGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*1 AST NODULES, VERY STIFF, PLASTIC, SILGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16*1 AST NODULES, MEDIUM SAND, SUBSTITY COHESINE, WIET FOR WITH STIFF, DRY NODULES, MEDIUM SAND, SUBSTITY COHESINE, WIET FOR WITH MOIST, TRACE ROUNDED GRAVEL UP TO 16*1 AST NODULES, MEDIUM SAND, SUBSTITY COHESINE, SILGHTLY MOIST, TRACE BLACK NODULES, MEDIUM SAND, PLASTIC, COHESINE, STICKY, WET 15	Drilling Method						,
Sampling Method: Continuous Sampler North: 369376.37 East: 591056.93 Remarks: Borehole Dia: 2.5 inches Total Depth: 27.5 feet Project Number: 3433253A Project Number: 3433253A Project Name: Whirlpool Corporation Material Description Material Description Material Description Material Description CL. SILTY CLAY FILL, VERY DARK BROWN, SOME ROOT HARS, SUGHTLY STIFF, PLASTIC, MOST CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTTLING, VERY SUGHTLY STIFF, PLASTIC, MOST CLAYEY SILT, LIGHT BROWN, SITE, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16° 10°, 7.4 10 2 3.3 10 2 2.8 10 2 2.8 10 2 2.8 10 2 2.8 10 2 2.8 10 2 2.8 10 2 2.8 10 3.7 10 2 2.8 10 3.7 10 3.2 2.8 2.8 3.8 3.7 CL. SILTY CLAY, STRONG BROWN, WITH LIGHT BROWNISH GRAY MOTTLING, VERY STIFF, SOME BLACK MODULES, VERY STIFF, PLASTIC, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16° 17° NACEST CAN MODULES, MEDIUM SAND, SUGHTLY CONSINE STRONG BROWN WITH LIGHT GREENISH GRAY MOTTLING, VERY STIFF, SOME BLACK MODULES, MEDIUM SAND, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16°, TRACE BLACK MODULES, MEDIUM SAND, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16°, TRACE BLACK MODULES, MEDIUM SAND, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16°, TRACE BLACK MODULES, MEDIUM SAND, SUGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 16°, TRACE BLACK MODULES, MEDIUM SAND, SUGHTLY MOIST, MODERSING SAND WITH DEPTH. 450 451 452 455 455 456 457 458 459 CLAYS TRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FIRE SAND, STIT TO VERY STIFF, PLASTIC, CHIMBLES, SUGHTLY MOIST, MODERSING SAND WITH DEPTH. 459 450 450 450 450 450 450 450		: Di					
Borehole Dia: 2.5 inches Total Depth: 27.5 feet Project Number: 3433253A Project Name: Whirlpool Corporation Material Description Material Description Material Description Material Description Material Description Material Description CL. SILTY CLAY FILL VERY DARK BROWN, SOME ROOT HAIRS, SLIGHTLY STIFF, PLASTIC, Molification of CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTTLING, VERY SLIGHTLY MOIST CLAYEY SILT, LIGHT BROWN, WITH RED MOTTLING, STIFF, PLASTIC, SLIGHTLY MOIST CLAYEY SILT, LIGHT BROWN, WITH LIGHT BROWNSH GRAY MOTTLING, SOME BLACK NODULES, VERY STIFF, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 18° LBACK NODULES, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 18° LBACK NODULES, MEDIUM SAND, SLIGHTLY CONESSIVE WHEN WEIT, STIFF, DRY, SANDY CLAY STRONG BROWN, WITH LIGHT BROWNSH GRAY MOTTLING, VERY STIFF, SOM SHADON SAND VICTOR	Sampling Meth						
Project Number: 3433253A Project Name: Whirlpool Corporation Material Description CL MH CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTTLING, VERY SLIGHTLY MOIST CLAYEY SILT, LIGHT BROWN, SOME STRONG BROWN MOTTLING, SOME BLACK NCOULES, VERY STIFF, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 1/8* LASTIC, SANDY CLAY, STRONG BROWN, WITH LIGHT BROWNISH GRAY MOTTLING, VERY SLIFF, SOME BLACK NCOULES, VERY STIFF, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 1/8*, TRACE BLACK NCOULES, MEDIUM SAND, SLIGHTLY COHESIVE, WEIT STIFF, DRAY, SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 1/8*, TRACE BLACK NCOULES, MEDIUM SAND, SLIGHTLY COHESIVE, WEIT STIFF, DRAY MOTTLING, FINE SAND, STIFT O VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. 455 456 457 468 458 459 469 460 460 460 460 460 460 46	D 1 .	od:	Continuo	us Sai	mpler		
Project Name: Whirlpool Corporation Project Name: Whirlpool Corporation	Remarks:						'
Material Description Comparison Compari							
470 470 3.7 MH		Τ					Project Name: wniripool Corporation
470 470 470 470 470 470 470 470	Elevation (ft) Water Level Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
470				0.7		CL	SILTY CLAY FILL, VERY DARK BROWN, SOME ROOT HAIRS, SLIGHTLY STIFF, PLASTIC, MOIST
405 407-12 408-22 408-57-0) 409-12 500 500 500 500 500 500 500 5	470	3.3				МН	\PLASTIC, MOIST
400 100 2 2 8 SILTY CLAY, STRONG BROWN, WITH LIGHT BROWNISH GRAY MOTTLING, VERY STIFF, SON BLACK NODULES, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 1/8", TRACE BLACK NODULES, MEDIUM SAND, SLIGHTLY COHESIVE WHEN WET, STIFF, DRY. SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 1/8", TRACE BLACK NODULES, MEDIUM SAND, SLIGHTLY COHESIVE WHEN WET, STIFF, DRY. SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 1/8", TRACE BLACK NODULES, MEDIUM SAND, PLASTIC, COHESIVE, STICKY, WET SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFT O VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFT O VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFT O VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH CREENISH GRAY, TRACE CLAY, FINE SAND, SLIGHTLY COHESIVE, WET GC CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM. COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM. SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM. SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM. SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM.	5-		<u> </u> 			CL	NODULES, VERY STIFF, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 1/8" LAST
SILTY CLAY, STRONG BROWN, WITH LIGHT BROWNISH GRAY MOTTLING, VERY STIFF, SON BLACK NODULES, PLASTIC, SLIGHTLY MOIST, TRACE ROUNDED GRAVEL UP TO 18" LAST C. ANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 118" LAST C. NODULES, MEDIUM SAND, SLIGHTLY COHESIVE WHEN WET, STIFF, DRY. SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 118", TRACE BLACK NODULES, MEDIUM SAND, SLIGHTLY COHESIVE, STICKY, WET 15 DP-02 (15.0-15.5) 10.1 SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFO VERY SAND, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM: COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM: TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET	405	4		3.2			
400 7.4 15- 4 DP-02 (15.0-15.5) 10.1 SANDY CLAY, STRONG BROWN, WITH SUBROUNDED GRAVEL UP TO 1/8", TRACE BLACK NODULES, MEDIUM SAND, PLASTIC, COHESIVE, STICKY, WET SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIFT TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. 4.5 SC SW SP CLAYEY SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, ST TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH SAND, STRONG BROWN AND LIGHT GREENISH GRAY, TRACE CLAY, FINE SAND, SLIGHTLY COHESIVE, MOIST. SAND, STRONG BROWN, MEDIUM TO COARSE SAND, LOOSE, VERY MOIST TO WET 450 GC CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET		- 2	_	2.8			
4 DP-02 (15.0-15.5) 10.1 SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIF TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. 4.5 SC CLAYEY SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, ST TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH SAND, STRONG BROWN AND LIGHT GREENISH GRAY, TRACE CLAY, FINE SAND, SLIGHTLY COHESIVE, MOIST. 5.1 SAND, STRONG BROWN, MEDIUM TO COARSE SAND, LOOSE, VERY MOIST TO WET 6.2 GC CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET				0			
455 10.1 (15.0-15.5) 10.1 (15.0-15.5) 10.1 (15.0-15.5) 10.1 4.5 SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STIF TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH. SAND, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STRONG BROWN, AND LIGHT GREENISH GRAY MOTTLING, FINE SAND, STRONG BROWN AND LIGHT GREENISH GRAY MOTTLING, FINE SAND, STRONG BROWN, MITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, STRONG BROWN, MITH LIGHT GREENISH GRAY MOTTLING, FINE SAND, WITH DEPTH. SAND, STRONG BROWN AND LIGHT GREENISH GRAY MOTTLING, FINE SAND, WITH DEPTH. SAND, STRONG BROWN AND LIGHT GREENISH GRAY MOTTLING, FINE SAND, WITH DEPTH. SAND, STRONG BROWN, MITH CLAY, FINE SAND, SLIGHTLY COHESIVE, WET GC CLAYEY SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIT TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIT TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET	460	4	DD 03	7.4			
455 - 1.6 - 1.	15-			10.1		00	
SAND, STRONG BROWN, MEDIUM TO COARSE SAND, LOOSE, VERY MOIST TO WET 5.1 GC CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET	455	1.6		4.5		SW	TO VERY STIFF, PLASTIC, CRUMBLES, SLIGHTLY MOIST, INCREASING SAND WITH DEPTH SAND, STRONG BROWN AND LIGHT GREENISH GRAY, TRACE CLAY, FINE SAND, SLIGHTLY
4 5.1 6.2 GC CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM COARSE SAND, VERY SLIGHTLY COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET	20-			0		J.	
25 - 9.5 SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIL TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET		_		5.1			
25 9.5 TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET	450	4		6.2		GC	CLAYEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET
	25-	3.5					SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUN TO COARSE SAND, VERY SLIGHTLY COHESIVE, WET
	445			2.9		GM	WEATHERED SHALE AND CLAY, STRONG BROWN, SOME BLACK NODULES, SLIGHTLY PLASTI TO PLASTIC, VERY STIFF, SLIGHTLY MOIST

				₹ EI	11	/ID/	71	1	Site ID:	DP-3	Date(s): 12/1	8/2013			
			-		11	/IR	יוע	V	Location:	Fort Smith, Arka	nsas				
				N. Tyler Ro	oad, Wid	chita, Kans	as 67212	2	Logged By:	N. Zurweller					
Cons	ulting	g Firm	: EN	NVIRON					Checked By	y: K. Stonestreet					
Contr	acto	r:	Me	ohawk Dr	illing				Purpose: \$	Soil Boring					
		ethod:		rect Push						NAVD88	Elevation: 47				
			od: (Continuo	us Saı	npler			North: 369		East: 59094 1				
Rema	arks:								Borehole Di		Total Depth:	23.5 feet			
									-	nber: 3433253A					
			ı						Project Nan	ne: Whirlpool Co	orporation				
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descript	ion				
		_			3.7		МН			GRASS AND ROOT HAIF OOT HAIRS, SLIGHTLY S		ST			
		-	2.8												
		-		DP-03	4.6		CL	SILTY CLAY, BRO	WN, TRACE FINE	E SAND, PLASTIC, STICK	Y, COHESIVE, WET	Г.			
470		5-		(4-4.5)	4.1	SILTY CLAY, STRONG BROWN, GRAYISH BROWN MOTTLING, VERY STIFF, SLIGHTLY PLASTIC									
		-	4					SLIGHTLY MOIST	ONG BROWN, GR	RAYISH BROWN MOTIL	ING, VERY STIFF, S	BLIGHTLY PLASTIC			
		-	_		4.4										
		-		-	3.6			SILTY CLAY, STROVERY SLIGHTLY		RAYISH BROWN MOTTL	ING, WITH BLACK N	NODULES, HARD,			
465		10-	4		3.0			VERTI GEROTTIET I	WOIOT						
		-		DP-03	3.1										
		-		(12-12.5)			СН	SANDY CLAY, STE	RONG BROWN, N	MEDIUM SAND, PLASTIC	, SOFT, STICKY, W	ET			
400		_	4		4.7										
460		15-			4.6			SILTY OLAV STD		ARD, SLIGHTLY PLASTIC	SUICHTI V MOIST				
		-		-			CL	SANDY CLAY, STF		FRACE SUBROUNDED G					
		-	3.8		4.1		_	TO VERY MOIST.							
455		-	3.8		4.6										
-50		20-		-				SANDY CLAY, STF	RONG BROWN. 1	FRACE SMALL GRAVEL	JP TO 1/8", VERY M	IOIST			
		-			2.1				,		- , · - · · ·				
		_	3.5		2.5	17 212 21	GC	SAND AND GRAVI	EL, STRONG BRO	OWN, TRACE LIGHT GR	AY MOTTLING. WIT	H CLAY. LITTLE			
450		- 25- - -				,	33		, SUBROUNDED	GRAVEL UP TO 1/2", ME					
445		_													
												Page 1 of			

			-	F	NI	/IRO	71	J	Site ID:	DP-4	Date(s): 12/1	8/2013
			-		N 1	111/1		Ņ	Location:	Fort Smith, Arka	ansas	
				3 N. Tyler Ro	ad, Wic	hita, Kans	as 6721	2	Logged By:	N. Zurweller		
		g Firm		NVIRON					,	K. Stonestreet		
Conti				ohawk Dr					Purpose: So			
		ethod:		rect Push						AVD88	Elevation: 47	
			od: (Continuo	us Sar	npler			North: 3693		East: 59104 4	
Rema	arks:								Borehole Dia		Total Depth:	26.0 feet
										ber: 3433253A		
						<u> </u>			Project Name	e: Whirlpool Co	orporation	
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descript	ion	
		_			1.0		МН	SILTY FILL, DARK	BROWN, TRACE	CLAY, WITH GRASS AI	ND ROOT HAIRS, SL	IGHTLY STIFF,
470		-	3.8		1.0					RACE GRAYISH BROW / MOIST	N MOTTLING, STIFF	F, SLIGHTLY
		5-	4		1.2		CL	SILTY CLAY, STRO GRAVEL UP TO 1/8	NG BROWN, SOM ",STIFF, SLIGHTL	ME GRAYISH BROWN LY PLASTIC, SLIGHTY	MOTTLING,TRACE S MOIST TO VERY MO	SUBROUNDED DIST
405		-			1.0							
465		10-	4		1.1					TH GRAYISH BROWN N LY PLASTIC, SLIGHTY		
		-		-	2.0			NODULES, ŚLIGHT	LY PLASTIC, HAF	TH LIGHT GRAY MOTTI RD, SLIGHTLY TO VER ITH LIGHT GRAY MOT	Y SLÍGHTLY MOIST	,
460		-	4		2.0			BLACK NODULES,	FINE SAND, SLIG	HTLY PLASTIC, HARD ER, LIGHT GRAY, SANI	, SLIGHTLY TO VER	Y SLIGHTLY MOIS
		15-	1		1.9							
		-		DP-04	2.1					STREAKING, FINE GF PLASTIC, HARD, SLIG		
455		_	4	(18-18.5)	2.5		SC			GRAY, SOME SILT, FIN		-
		20-		-				,		-INE TO MEDIUM SANL 	<u> </u>	, IVIUIO1 .
		-	4		2.4			G. 1.2, 2. (C. 1.1, 1.1.		5_ 5. 5 , _5 5 5 _, 5		
450		-			2.7		GC	CLAYEY SAND ANI GRAVEL UP TO 1/2		NG BROWN, MEDIUM	TO COARSE SAND,	SUBROUNDED
		25	2	DP-04 (25.0-25.5)	4.7			CLAYEY SAND, ST	RONG BROWN, V	NITH SUBROUNDED R		JP TO 1/2", MEDIU
445		-										
	,	1	1		1	1						Page 1 of

			-	9 F	11	// // /	71	1	Site ID:	DP-	5	Date(s): 12/ 1	7/2013
			-	/ El	11	/IRO	יוכ	١	Location:	Fort S	Smith, Arka	ansas	
			2118	8 N. Tyler Ro	ad, Wid	chita, Kansa	as 6721	2	Logged By:	N. Zu	rweller		
Cons	sulting	g Firm	: E l	NVIRON					Checked By	y: K. St o	onestreet		
Cont	racto	r:	M	ohawk Dr	illing				Purpose: \$	Soil Bori	ng		
Drillir	ng Me	ethod:	Di	rect Push	1				Datum: N	NAVD88		Elevation: 47	73.08 amsl
Sam	pling	Metho	od: (Continuo	us Sai	mpler			North: 368	963.83		East: 590708	3.59
Rema	arks:								Borehole D	ia.: 2.	5 inches	Total Depth:	25.5 feet
									Project Nun	nber: 3 4	133253A		
									Project Nan	ne: W	hirlpool C	orporation	
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Materi	al Descript	ion	
		_			1.2			SILTY FILL, VERY D SLIGHTLY COHESIV			AR GRAVEL	0.5" TO 1.0", SLIGH	TLY STIFF,
		_	2.8		1.2		CL	SILTY CLAY, BROW	N, TRACE BRO		RAY MOTTLIN	IG, TRACE FINE SAI	ND, PLASTIC, STIF
470		-			1.5			MOIST TO SLIGHTL SILTY CLAY, STRON		RACE LIGH	T GRAY MOT	TLING, PLASTIC, VE	ERY STIFF,
		_						SLIGHTLY MOIST					
		5-	4		1.7								
		-			1.2								
465		-						SILTY CLAY, STRON	NG BROWN, TF	RACE LIGH	T GRAY MOT	TLING, PLASTIC, VE	ERY STIFF, VERY
		10-	4		2.6		GP CL	GRAVEL AND SAND		N, TRACE	CLAY, COAR	SE SAND, ANGULAR	R GRAVEL, VERY
		- 10	4		3.2			SLIGHTLY COHESIN		TH LIGHT	GRAY MOTT	LING, HARD, PLAST	IC, MOIST
		-		-			GC	GRAVEL AND SILTY	CLAY, DARK E	BROWN, S	OME COARSI	E SAND, SUBROUND	DED GRAVEL UP T
460		-			4.7		CL	0.5", COHESIVE TO SILTY CLAY, STRON	SLIGHTLY CO	HESIVE, W	ET.		
		15-	4		1.2								
		-						SANDY CLAY, STRO	NIC PROWN 3	TDACE LIG	HT CDAY MO	ITTI ING VEDVEINE	SAND
		-	-		3.0		SP	SAND AND GRAVEL		TIVACE EIG	TH GIVAT WO	TILING, VENTTINE	SAND
455		-	2.2		4.0		CL	SANDY CLAY, STRO	NG BROWN, 1	TRACE SUE	BANGULAR G	RAVEL, VERY FINE	SAND, PLASTIC,
		20-			4.0			SLIGHTLY STIFF, W	El				
		_	-	DP-05 (21.5-22.0)	2.4								
		-	4	(£1.0-22.0)									
450		-		- DP-05	4.2			SANDY CLAY, STRO MOIST					
		25-	1.5	(24.5-25.5)	4.0		SC	SANDY CLAY, STRO TO VERY STIFF, SL	ONG BROWN, V IGHTLY PLAST	WITH SUBA TIC, WET	ANGULAR GR	AVEL UP TO 1", CO	ARSE SAND, STIFF
		-				1.7.7.7.7							
		-	1										
445		-											
													Page 1 of

		-	V -	11	ID	~		Site ID:	DP-6	Date(s): 1/11	/2014
		1) El	11	/IRO	71	1	Location:	Fort Smith, Arka	ınsas	
	2	2118	N. Tyler Ro	ad, Wic	hita, Kansa	as 67212	2	Logged By:	N. Zurweller		
Consulting F	irm:	EN	VIRON					Checked By:	K. Stonestreet		
Contractor:		Mo	hawk Dr	illing				Purpose: So	oil Boring		
Drilling Meth	od:	Dire	ect Push	ı				Datum: NA	AVD88	Elevation: 47	73.74 amsl
Sampling Me	thod:	: C	ontinuo	us Sar	npler			North: 3690	08.09	East: 590755	5.62
Remarks:								Borehole Dia	.: 2.5 inches	Total Depth:	26.0 feet
								Project Numb	oer: 3433253A		
								Project Name	e: Whirlpool Co	orporation	
Elevation (ft) Water Level	Depui (it)	(feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descripti	on	
				58		CL			OWN, ANGULAR GRAV		SI IGHTI V STIFF
	-	4		33			SLIGHTLY PLASTI	C TO PLASTIC, SL			
470	-			333					PLASTIC, SLIGHTLY ST		
470	5-	(DP-06 (5.5-6.0)	792					CE GRAY MOTTLING, SLIGHT SOLVENT OD		TO PLASTIC,
		4	DP-06	565					H GRAY MOTTLING, T Y MOIST TO MOIST, SI		
465	10-		(8.5-9.0)	316			SILTY CLAY, YELL SLIGHTLY PLASTI SILTY CLAY, YELL	OWISH RED, WITH C, SLIGHTLY MOIS OWISH RED, WITH	H GRAY MOTTLING, W ST, SLIGHT SOLVENT (H GRAY MOTTLING, W	TITH BLACK NODUL ODOR TITH BLACK NODUL	ES, VERY STIFF, ES, SOME
	_			437			SOLVENT ODOR SILTY CLAY, YELL	OWISH RED, WITH	VERY STIFF, SLIGHTL H GRAY MOTTLING, W ST, SLIGHT SOLVENT (TH BLACK NODUL	
460	-	4		494			SILTY CLAY, YELL	OWISH RED, WITH	H GRAY MOTTLING, GI VERY STIFF, SLIGHTL	RAY, WITH BLACK	
1	15-			779							
		4		589					CE GRAY MOTTLING, , VERY STIFF, SLIGHTI		
455	20			405							
	-	3		343			SUBROUNDED GR	RAVEL UP TO 1/2",	ACE GRAY MOTTLING VERY FINE SAND, SLI LIGHTLY MOIST LAST	GHTLY STIFF, SLIG	
450	+	2		353		SC			RACE GRAY MOTTLIN GHTLY STIFF, SLIGHT		NDED GRAVEL UP
2	25—		DP-06 (25.5-26)	472							
445											
											Page 1 of ²

						State and Park		Site ID: DP-7 Date(s): 12/17/2013
			T	E	N	/IRO	10	Location: Fort Smith, Arkansas
				B N. Tyler R				
Cons	ulting	Firm		NVIRON	oau, vvic	Jinta, Italis	a5 07 2 17	Checked By: K. Stonestreet
Contr				ohawk Di	rillina			Purpose: Soil Boring
Drillin				rect Push				Datum: NAVD88 Elevation: 473.3 amsl
				Continuo		mnler		North: 369021.01 East: 590887.61
Rema								Borehole Dia.: 2.5 inches Total Depth: 25.0 feet
								Project Number: 3433253A
								Project Name: Whirlpool Corporation
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
470		-	4		1300		CL	CONCRETE SILTY CLAY, REDDISH YELLOW, STIFF, PLASTIC, VERY DARK GRAY MOTTLING, SLIGHTLY MOIST
470		5- -	4	DP-07 (5.5-6)	5850 750			SILTY CLAY, STRONG BROWN, WITH BROWN MOTTLING, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY STIFF, MOIST TO VERY MOIST, STRONG SOLVENT ODOR SILTY CLAY, REDDISH YELLOW, SOME GRAY, LITTLE VERY DARK GRAY, LITTLE ANGULAR GRAVEL, VERY STIFF, VERY PLASTIC, WET SILTY CLAY, BROWN AND GRAY, TRACE SUBANGULAR GRAVEL, VERY STIFF, PLASTIC, VERY
465		10-	4		45			MOIST, SOLVENT ODOR. SILTY CLAY, BROWN AND GRAY, TRACE SUBANGULAR GRAVEL, VERY STIFF, PLASTIC, VERY MOIST, SOLVENT ODOR. SANDY CLAY, PALE BROWN, FINE SAND, WITH YELLOWISH RED MOTTLING, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, WET, SOLVENT ODOR
460		-		DP-07 (12.5-13)	108			SANDY CLAY, PALE BROWN, FINE SAND, WITH YELLOWISH RED MOTTLING, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, WET, SOLVENT ODOR. SILTY CLAY, YELLOW RED AND GRAY, STIFF, PLASTIC, MOIST
		15-	4		32.1			SANDY CLAY, LIGHT GRAY TO REDDISH BROWN, FINE SAND, SLIGHTLY COHESIVE, SLIGHTLY MOIST, SLIGHT SOLVENT ODOR.
455		-	4		52.6		SC	SANDY CLAY, REDDISH BROWN, FINE GRAIN, PLASTIC, SLIGHTLY STIFF, WET. CLAYEY SAND, LIGHT GRAY AND REDDISH BROWN, TRACE CLAY, FINE SAND, SLIGHTLY STIF SLIGHTLY COHESIVE, MOIST.
		20-	3	_	23.8		SP	SAND, STRONG BROWN, TRACE CLAY, MEDIUM TO COARSE SAND, SLIGHTLY COHESIVE, VEI MOIST
450		-	1	DP-07 (23.5-24)	14		GC	SAND AND GRAVEL, STRONG BROWN, WITH CLAY, MEDIUM SAND, SUBROUNDED GRAVEL UP TO 1", STIFF, SLIGHTLY MOIST
445		25	-		16.3			SAND AND GRAVEL, STRONG BROWN, WITH CLAY, MEDIUM SAND, SUBROUNDED GRAVEL UF TO 1", STIFF, WET
					1			Page 1 of

			-					ta .	Site ID: DP-8 Date(s): 1/7/2014
) E	N١	/IR(10	1	Location: Fort Smith, Arkansas
			2118	8 N. Tyler R					Logged By: N. Zurweller
Cons	sulting	g Firm	: EN	NVIRON					Checked By: K. Stonestreet
Cont	racto	r:	M	ohawk Dı	rilling				Purpose: Soil Boring
Drillir	ng Me	ethod:	Di	rect Pusi	h				Datum: NAVD88 Elevation: 473.33 amsl
Samı	pling	Metho	od: (Continuo	us Sar	npler			North: 369014.03 East: 590830.47
Rem	arks:								Borehole Dia.: 2.5 inches Total Depth: 24.0 feet
									Project Number: 3433253A
									Project Name: Whirlpool Corporation
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code		Material Description
		_			49.4			SILTY CLAY AND VERY SLIGHTLY	GRAVEL FILL, DARK GRAYISH BROWN, ANGULAR GRAVEL UP TO 1", STIFF,
		-	3.7		+3.4		CL		ONG BROWN, WITH LIGHT GRAY MOTTLING, WITH BLACK STREAKING, STIF
470		-			815.4			SILTY CLAY, STR	ONG BROWN, WITH LIGHT GRAY MOTTLING, SUBROUNDED GRAVEL UP TO
		-		DP-08	4555			1/4", VERY STIFF,	PLASTIC, SLIGHTLY MOIST, SLIGHT SOLVENT ODOR
		5-	4	(5-5.5)	1555				
		-			1090				
465		-	-		1029				DISH BROWN, TRACE LIGHT GRAY, SOME SUBROUNDED GRAVEL UP TO NODULES, FINE SAND, SLIGHTLY COHESIVE, SLIGHTLY STIFF, SLIGHTLY
		10- - -	4	DP-08 (11-11.5)	3898			SILTY CLAY, STR SLIGHTLY MOIST	ONG BROWN, SOME LIGHT GRAY, SOME BLACK STREAKING, STIFF, PLASTIC SOLVENT ODOR
460		-	3.7		3673			SILTY CLAY, STRI SLIGHTLY MOIST	ONG BROWN, WITH LIGHT GRAY, SOME BLACK STREAKING, STIFF, PLASTIC SOLVENT ODOR
		15-			1989				
		-			4000			SANDY CLAY, LIG SOLVENT ODOR	HT GRAYISH BROWN, VERY FINE SAND, COHESIVE, SLIGHTLY MOIST,
455		-	3.7	DP-08 (18.5-19)	4090 15000		SC	CLAYEY SAND, S' MOIST, SOLVENT	RONG BROWN, SOME LIGHT GRAY, COHESIVE, SLIGHTLY PLASTIC, VERY ODOR
		20-		-			GC		EL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUN SLIGHTLY STIFF, VERY MOIST TO WET, SOLVENT ODOR
		-	4		87.1			-,,,	. ,
450		_	-		38.9				
-1 00		-							
		25-							
		-	-						
445		-	-						
	<u> </u>				1				
									Page 1 of

		∡ FI	VI	/IRC	NC	Site ID: DP-9 Date(s): 1/8/2014
	044	-				
Consulting		8 N. Tyler Ro	oad, vvic	nita, Kansa	1S 6/212	Logged By: N. Zurweller Checked By: K. Stonestreet
Consulting Contractor:			illina			Purpose: Soil Boring
Drilling Met		ohawk Dr irect Push				Datum: NAVD88 Elevation: 474.15 amsl
Sampling Med				nnlor		North: 369034.62 East: 590987.84
Remarks:	ietilou.	Continuo	us oai	iibiei		Borehole Dia.: 2.5 inches Total Depth: 26.0 feet
rtemants.						Project Number: 3433253A
						Project Name: Whirlpool Corporation
Elevation (ft) Water Level	Depth (ft) Recovery	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
			35.9	P & 1 P &		CONCRETE
	- 4		35.9			SILTY FILL, DARK BROWN, SOME SUBBASE GRAVEL, STIFF, MOIST
	_		99.1		МН	CLAYEY SILT, LIGHT YELLOWISH BROWN, TRACE SUBROUNDED GRAVEL UP TO 1/2", SLIGHTLY STIFF, VERY SLIGHTLY TO SLIGHTLY PLASTIC, VERY SLIGHTLY MOIST
470	5-	DP-09 (5.0-5.5)	69.2		CL	SILTY CLAY, LIGHT YELLOWISH BROWN, SOME LIGHT GRAY MOTTLING, TRACE SUBROUNDE GRAVEL UP TO 1/8", STIFF, PLASTIC, SLIGHTLY MOIST
	- 4		48.2			SILTY CLAY, LIGHT YELLOWISH BROWN AND STRONG BROWN, TRACE LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVEL UP TO 1/8", TRACE FINE SAND, PLASTIC, SLIGHTLY MOIST
465	10- 4		19.3			SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVEL UP TO 1/8", TRACE FINE SAND, HARD, PLASTIC, SLIGHTLY MOIST
	-		33.2			
460	- 0		0			LOST SAMPLE DUE TO HARD DRILLING. SMALL AMOUNT OF SOIL IN SAMPLER: SILTY CLAY, BROWN, TRACE SAND, FINE GRAIN
	15—		0			SANDY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, FINE SAND, PLASTIC, VERY SLIGHTLY STIFF, WET
455	3.5		95.9		sc	CLAYEY SAND, STRONG BROWN, WITH LIGHT GRAY MOTTLING, FINE SAND, COHESIVE, WET INCREASED SAND FROM 18'-18.5' BGS
-55	20	-				CLAYEY SAND, STRONG BROWN, WITH LIGHT GRAY MOTTLING, FINE SAND, COHESIVE, WET
	- - 3.5		32.3		SP	SAND WITH GRAVEL, BROWN, SOME DARK BROWN, TRACE CLAY, SUBROUNDED GRAVEL UP TO 1/8", MEDIUM TO COARSE SAND, SLIGHTLY COHESIVE, WET SAND AND GRAVEL, BROWN AND DARK BROWN, SOME CLAY, SUBROUNDED GRAVEL UP TO
			3.0	152151	GC	1/4", MEDIUM TO COARSE SAND, COHESIVE, VERY MOIST TO WET SAND AND GRAVEL, BROWN AND DARK BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO
450	25-		7.0		90	1/2", COARSE SAND, COHESIVE, VERY MOIST TO WET
	_					
445	_					
						Page 1 of

				Wilson In			Site ID:	DP-11	Date(s): 1/7/	2014
		≥ El	V	/IRO	10	1	Location:	Fort Smith, Arka		2014
	211	8 N. Tyler Ro				-	Logged By:	N. Zurweller	11040	
Consulting F		NVIRON						K. Stonestreet		
Contractor:		ohawk Dr	illina				Purpose: So			
Drilling Meth		irect Push					•	VD88	Elevation: 47	5.35 amsl
Sampling Me				mpler			North: 36905		East: 590896	
Remarks:				•			Borehole Dia.		Total Depth:	26.0 feet
							Project Numb	er: 3433253A		
							Project Name	: Whirlpool Co	rporation	
Elevation (ft) Water Level	Peptil (it) Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code		J	Material Descripti	on	
475	-		0.5		МН	COHESIVE, SLIGHT	LY MOIST	WITH SUBBASE GRAV		
	- 4 -		1.1					SLIGHTLY PLASTIC, S		
470	5- 4		1.1		CL		LACK NODULES,	IGHT YELLOW BROW SOME SUBROUNDED		
	-		0.5							
465	10- 4		0.3					LIGHT YELLOWISH BR ROUNDED GRAVEL UF		
405	-		0.2			SILTY CLAY STROI	NG BROWN TRAC	CE LIGHT GRAY MOT	TING SOME BLAC	K NODULES HARI
	- - 4		1.1			SLIGHTLY PLASTIC	, SLIGHTLY MOIS			
460	15—		2.2			HARD, SLIGHTLY P	LASTIC, SLIGHTL			
	- - 3.5		8.1		SC	MOIST TO VERY MO CLAYEY SAND, STF SLIGHTLY COHESIN	RONG BROWN AN	ID LIGHT GRAY, FINE	SAND, TRACE MED	OIUM SAND,
455	20	DP-11 (19.5-20.0)	19.5		SP		OWN, TRACE LIG	GHT GRAY, SOME CLA	Y, FINE TO MEDIUN	M SAND, SLIGHTL
130	-		37.3		SW			HT GRAY, TRACE CLA	AY, MEDIUM SAND,	VERY SLIGHTLY
	2.8		14.4		GC			AYISH BROWN, TRAC	E CLAY, SUBROUN	IDED GRAVEL UP
450	25-	_	30.1			SAND AND GRAVEL	, VERY DARK GR	AYISH BROWN, TRAC AT TOTAL DEPTH (CH		IDED GRAVEL UP
										Page 1 of

				X FI	VIV	/IR(1C	Site ID: DP-12 Date(s): 1/11/2014
			-		N	111/		
				8 N. Tyler Ro	oad, Wic	hita, Kansa	as 6721	10044) 1 1 1
Consu	ılting	Firm		IVIRON				Checked By: K. Stonestreet
Contra				ohawk Dr				Purpose: Soil Boring
Drilling				rect Push				Datum: NAVD88 Elevation: 474.3 amsl
		Metho	od: (Continuo	us Sar	npler		North: 368949.21 East: 591101.69
Remar	rks:							Borehole Dia.: 2.5 inches Total Depth: 30.0 feet
								Project Number: 3433253A
				Ι				Project Name: Whirlpool Corporation
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
					7.6		CL	SUBBASE ANGULAR GRAVEL
		-	4		17.3			SILTY CLAY AND CLAYEY SILT, STRONG BROWN, SOME YELLOWISH RED, TRACE LIGHT GRAWITH BLACK NODULES, SLIGHTLY STIFF TO STIFF, SLIGHTLY PLASTIC, SLIGHTLY MOIST
470		5-		DP-12 (4.5-5)	40.2			SILTY CLAY AND CLAYEY SILT, STRONG BROWN, SOME YELLOWISH RED, TRACE LIGHT GRAWITH BLACK NODULES, SLIGHTLY STIFF TO STIFF, SLIGHTLY PLASTIC, SLIGHTLY MOIST SILTY CLAY, STRONG BROWN, SOME GRAY MOTTLING, SOME BLACK NODULES, VERY STIFF
		_	3.6		18.3			SLIGHTLY PLASTIC TO PLASTIC, MOIST
-465 10 − 3.1				13.7			SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, WITH BLACK NODULES, STIFF, SLIGHTLY PLASTIC TO PLASTIC, MOIST SANDY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVE UP TO 1/8", FINE SAND, STIFF, SLIGHTLY PLASTIC, MOIST	
		-		DP-12 (11.5-12.0)	31.4			SANDY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVE UP TO 1/8", FINE SAND, STIFF, SLIGHTLY PLASTIC, MOIST
460		-	3.3		11.7			
		15— -		_	7.8			SANDY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, WITH SUBROUNDED GRAVEL UP TO 1/8", FINE SAND, STIFF, SLIGHTLY PLASTIC, VERY MOIST TO WET
		_	4		2.1			SANDY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, WITH SUBROUNDED GRAVEL UP TO 1/8", FINE SAND, LITTLE BLACK NODULES, STIFF, SLIGHTLY PLASTIC, MOIST TO VERY MOIST
455		20-		_	1.9		СН	SANDY CLAY, STRONG BROWN, TRACE BLACK NODULES, FINE SAND, STICKY, WET
		-	4		2.2		sc	CLAYEY SAND, STRONG BROWN, TRACE LIGHT GRAY MOTTLING, FINE SAND, COHESIVE, SOFT, MOIST
450		25 -	2		5.1		SP GC	SAND, DARK BROWN, SOME RED AND STRONG BROWN, SOME SUBROUNDED GRAVEL UP TO 1/8", TRACE CLAY, FINE TO MEDIUM SAND, VERY SLIGHTLY COHESIVE, MOIST TO VERY MOIS SAND AND GRAVEL, STRONG BROWN, SOME CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUM TO COARSE SAND, COHESIVE, MOIST
445		-	2		8.4		CL	SAND AND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1", MEDIUI TO COARSE SAND, STICKY, COHESIVE, WET WEATHERED SHALE AND CLAY, STRONG BROWN, TRACE BLACK NODULES, LAMINATED,



DP-12 Site ID:

Whirlpool Corporation Project Name:

Elevation (ft)	Water Level	Depth (ft)	Sample Interval	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
-440		35—					STIFF	CRUMBLY WHEN DRY, VERY SLIGHTLY PLASTIC, SLIGHTLY MOIST. IN SHOE OF PLER: BLACK WEATHERED SHALE, CRUMBLES, DRY.
-435		40-						
-430		45—						
-425		50-						
-420		55—						
-41 5		60-						
-415 -410 -405		65— -						
-405		-						
								Page 2 of 2

				-	. 11	// D	~ `		Site ID:	DP-13	Date(s): 1/10	/2014
			-) E	11	/IRO	71	1	Location:	Fort Smith, Arka	nsas	
			2118	N. Tyler Ro	oad, Wio	hita, Kans	as 6721	2	Logged By:	N. Zurweller		
Cons	ulting	g Firm	: EN	VIRON					Checked By	: K. Stonestreet		
Conti	ractor	r:	Мо	hawk Dr	illing				Purpose: S	oil Boring		
Drillir	ng Me	ethod:	Dir	ect Push	1				Datum: N	AVD88	Elevation: 47	8 amsl
Samp	pling	Metho	od: C	ontinuo	us Saı	npler			North: 3688	368.56	East: 591041	.31
Rema	arks:								Borehole Dia	a.: 2.5 inches	Total Depth:	4.5 feet
									Project Num	ber: 3433253A		
									Project Nam	e: Whirlpool Co	orporation	
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descripti	on	
		-	-		0			CONCRETE SAND AND GRAVE	L FILL. BROWN A	AND LIGHT BROWNISH	GRAY. MEDIUM SA	ND. LOOSE.
		-	1					ANGULAR SUBBAS SAND AND GRAVE	SE GRAVEL UP T L FILL, BROWN A	O 3/4", MOIST AND LIGHT BROWNISH	GRAY, MEDIUM SA	
475		-			0			REFUSAL AT 4.5' B	SGS, ANGULAR S	UBBASE GRAVEL UP T	O 3/4", MOIST	
		5-	0.5		0							
		-	_									
470		-										
470		-										
		10-	-									
		-	-									
465		-										
		-	-									
		15-	-									
		-										
460		-	-									
		-	-									
		20-										
		-	-									
455		-	+									
		25-										
		20										
450		-	-									
						<u> </u>		<u> </u>				
												Page 1 of 1

			1	7 EI	11	/ID/	71	Site ID: DP-14 Date(s): 1/9/2014
			-		N	/IRO	JI.	Location: Fort Smith, Arkansas
			2118	3 N. Tyler Ro	ad, Wic	hita, Kansa	as 6721	Logged By: N. Zurweller
Cons	ulting	g Firm	: EN	NVIRON				Checked By: K. Stonestreet
Conti	racto	r:	Me	ohawk Dr	illing			Purpose: Soil Boring
Drillir	ng Me	ethod:	Di	rect Push	1			Datum: NAVD88 Elevation: 478 amsl
Samp	oling	Metho	od: (Continuo	us Sar	npler		North: 368686.91 East: 590899.15
Rema	arks:							Borehole Dia.: 2.5 inches Total Depth: 31.0 feet
								Project Number: 3433253A
			I					Project Name: Whirlpool Corporation
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
		_			5.2	P & 1 P &		CONCRETE SILTY SAND FILL, VERY DARK GRAYISH BROWN, SOME SUBANGULAR GRAVEL UP TO 1/2", FII
		-	4				C '	SAND, LOOSE, SLIGHTLY MOIST
475		-			12.2		CL	SILTY CLAY, GRAYISH BROWN, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST
		5-		-	9.8			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, VERY STIFF, VERY SLIGHTLY MOIST
-470				14.7			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, LITTLE BLACK NODULES, TRACE SUBROUNDED GRAVEL UP TO 1/8", VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST	
470	470 - 10- 4		4		16.8			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME SUBROUNDED GRAVEL UP TO 1/8", TRACE BLACK NODULES, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST
		-		DP-14 (11.5-12.0)	20.0			
465		-	2		0			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME SUBROUNDED GRAVEL UP TO 1/8", SOME FINE SAND, TRACE BLACK NODULES, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC VERY SLIGHTLY MOIST SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, WITH BLACK NODULES, VERY STIFF,
		15-		DP-14 (15.5-16.0)	31.1			\SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST
		-			14.4			
460		-	4		7.2			SILTY CLAY, STRONG BROWN AND GRAY, LITTLE FINE SAND, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY SLIGHTLY MOIST
		20-		1	11.7			SANDY CLAY, STRONG BROWN, FINE SAND, SLIGHTLY PLASTIC, MOIST
455		-	1.5		0			SANDY CLAY, STRONG BROWN, VERY FINE TO FINE SAND, SLIGHTLY PLASTIC, MOIST
		25- -	4	_	19.5		SC	CLAYEY SAND, STRONG BROWN, FINE SAND, STICKY, WET
		-			78.6		CL	SILTY CLAY, STRONG BROWN AND GRAY, SOME VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST
450		-		DP-14 (28.5-29.0)	108.4		SC	CLAYEY SAND, STRONG BROWN, TRACE LIGHT GREENISH GRAY, FINE SAND, COHESIVE, MOIST
	1		1		100.7	V////	CL	SILTY CLAY, STRONG BROWN AND GRAY, SOME VERY FINE SAND, SLIGHTLY PLASTIC TO



DP-14 Site ID:

Project Name: **Whirlpool Corporation**

Elevation (ft)	Water Level	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description
-445		- - - 35-	3		26.2		SC CL	MOIS	TIC, VERY STIFF, SLIGHTLY MOIST EY SAND, STRONG BROWN, TRACE LIGHT GREENISH GRAY, FINE SAND, COHESIVE, T (continued) CLAY, BROWN AND GRAY, SOME VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, SLIGHTLY MOIST
-440		40-							
-435		- - 45-							
-430		50-							
-425		- - 55-							
2.GPJ; 05/02/14 - 420		60-							
Report: SOIL_LOG_REV_1_MKE2; File: TUESDAY_12PM_NZ2.GPU; 01th		- - - 65-							
10G REV 1 MKE2;		-							
Report: SOIL									Page 2 of 2

Location: For Smith, Arkansas Logged By: N. Zurweller Consulting Firm: ENNIRON Contractor: Mohawk Drilling Purpose: Soil Boring Purpose: Soil Boring Discret Push Sampling Method: Direct Push Sampling Method: Continuous Sampler North: 38693.86 East: 590862.95 Borehole Dia: 2.5 inches Total Depth: 32.0 feet Project Name: Whiripool Corporation Material Description Material Description Material Description Material Description Material Description Material Description CL SLIT CLAY, DANK GRAY, TRACE CLAY, TRACE SUBRANGULAR GRAYEL UP TO MR; SLIGHTLY STIFF, NON-PLASTIC, DISCRETIVE MOIST TO MOIST 1.7 1.9 CL SLITY CLAY, GRAYES BROWN, SUBGILLY FLASTIC, MOIST, DANK BROWN AT B 4-8.5 SLITY CLAY, STRONG BROWN, SUBGILLY PLASTIC, MOIST, DANK BROWN AT B 4-8.5 SLITY CLAY, STRONG BROWN, SUBGILLY PLASTIC, MOIST, DANK BURNON AT B 4-8.5 SLITY CLAY, STRONG BROWN, SUBGILLY PLASTIC, MOIST, DANK BROWN AT B 4-8.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 18.5 SLITY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STREP, PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST, TRACE CLAY, WELL WELL STREP, MOIST, CARREST FRANCE, SLIGHTLY PLASTIC OF PLASTIC, STIFF, MOIST, TRACE CLAY, WELL WELL STREP, MOIST, CARREST FRANCE, SLIGHTLY PLASTIC, COHESINE, SLIGHTLY STREP, WELL STREAM, SLIGHTLY PLASTIC, COHESINE, SLIGHTLY STREP, WELL STREAM, SLIGHTLY PLASTIC, COHESINE, SLIGHTLY STREP, WELL STREAM, SLIGHTLY STREAM, WELL STREAM, SLIGHTLY STREAM, SELECT MIND STREAM, SLIGHTLY STREAM, SELECT MIND STREAM				4	9 -	. 11	// // /	7	i	Site ID:	DP-15	Date(s): 1/6/	2014		
Consulting Firm: ENVIRON Checked By: K. Stonestreet Contractor: Mohawk Drilling Purpose: Soil Boring Drilling Method: Direct Push Datum: NAVD88 Elevation: 478 amsl Environce: Soil Boring Drilling Method: Continuous Sampler North: 368693.86 East: 590662.95 Borehole Dia: 2.5 inches Total Depth: 32.0 feet Project Number: 343283A Project Number: 343285A Project N				-	♦ E	111	/IK	יוכ	N	Location:	Fort Smith, Arka	nsas			
Contractor: Mohawk Drilling Purpose: Soil Boring Datum: NAVD88 Elevation: 478 amsl Datum: NAVD88 Elevation: 478 amsl Sampling Method: Continuous Sampler Remarks: Borehole Dia: 2.5 inches Total Depth: 32.0 feet Project Number: 3433253A Project Number: 3433253A Project Name: Whirlpool Corporation Material Description Mate				2118	3 N. Tyler Ro	oad, Wic	hita, Kansa	s 6721	2	Logged By:	N. Zurweller				
Datum: NAVD88 Elevation: 476 amsl Sampling Method: Continuous Sampler North: 368693.86 East: 590862.95 Borehole Dia.: 2.5 inches Total Depth: 32.0 feet Project Number: 3433253A Project Number: 3433253A Project Name: Whirlpool Corporation Material Description	Cons	ultino	g Firm	: EN	NVIRON					Checked By:	K. Stonestreet				
Sampling Method: Continuous Sampler North: 368693,86 East: 590862,95 Borehole Dia.: 2.5 inches Total Depth: 32.0 foot Project Number: 3433253A Project Number: 3433253A Project Name: Whiripool Corporation Material Description Material De	Cont	racto	r:	M	ohawk Dr	illing				Purpose: So	I Boring				
Remarks: Borehole Dia:: 2.5 inches Total Depth: 32.0 feet	Drillir	ng Me	ethod:	Di	rect Push	1				Datum: NA	VD88	Elevation: 47	'8 amsl		
Project Number: 3433253A Project Name: Whirlpool Corporation	Samı	pling	Metho	od: (Continuo	us Sar	npler			North: 36869	3.86	East: 590862	2.95		
Project Name: Whirlpool Corporation Material Description MI SIT, DARK GRAY, TRACE CLAY, TRACE SUBANGULAR GRAVEL UP TO 18°, SLIGHTLY STIFF, NON-PUSTIC, CHEASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, STIFF, PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY SLIGHTLY PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY PLASTIC, SLIGHTLY SLIGHTLY PLASTIC, SLIGHTLY SLIGHT	Rem	arks:								Borehole Dia.	2.5 inches	Total Depth:	32.0 feet		
### A DP-15 12.0 13.0 6 13.0										Project Numb	er: 3433253A				
1.7										Project Name	: Whirlpool Co	orporation			
1.7 1.9 CL SILTY CLAY, DARK GRAYISH BROWN, WITH RED MOTTLING, STIFF, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST SILTY CLAY, GRAYISH BROWN, TRACE RED, STIFF, PLASTIC, SLIGHTLY MOIST TO MOIST SILTY CLAY, STRONG BROWN, SLIGHTLY STIFF, PLASTIC, MOIST, DARK BROWN AT 8.4*8.5" SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, SLIGHTLY DO 14*, STIFF, SLIGHTLY PLASTIC TO PLASTIC, LIGHTLY MOIST DO 14*, LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST, SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVEL MOIST, STIFF, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, PLASTIC, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5* BGS, WITH FINE SAND LAST 0.6" SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITTLY CLAY, STRONG BROWN, SOME BLACK STIFF, MOIST, TRACE VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, WET, VERY MOIST FROM 21.5-23.1" BGS. 20 SC CLAYEY SAND, SLIGHTLY STICKY, WET, VERY MOIST FROM 21.5-23.1" BGS. 21 DP-15 SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. 22 SAND SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, SUIGHTLY STIFF, MOIST. 399.4 SC SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, WERY MOIST.	Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code		Material Description					
470 4 2.0 SILTY CLAY, STRONG BROWN, SLIGHTLY STIFF, PLASTIC, MOIST, DARK BROWN AT 8.4*8.5' SILTY CLAY, STRONG BROWN, SUME LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVE UP TO 1/8", STIFF, SLIGHTLY PLASTIC, LIGHTLY MOIST TO PLASTIC, LIGHTLY MOIST ON 1/4", LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST, SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVEL OF 10 1/4", LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST, SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY MOIST, SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5' BGS, WITH FINE SAND LAST 0.6' SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY PLASTIC, OPLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, NOIST. SAND, SOME SLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SAND, SOME CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY STIFF, SLIGHTLY MOIST. SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST. SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST. SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY SLIGHTLY SAND, SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY MOIST.			-	3.8		1.7		ML		TRACE CLAY, TRA	ACE SUBANGULAR GF	RAVEL UP TO 1/8",	SLIGHTLY STIFF,		
470 4 2.0 2.1 SILTY CLAY, GRAYISH BROWN, TRACE RED, STIFF, PLASTIC, SLIGHTLY MOIST TO MOIST SILTY CLAY, STRONG BROWN, SLIGHTLY STIFF, PLASTIC, MOIST, DARK BROWN AT 8.4°-8.5′ SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, TRACE SUBROUNDED GRAVE, UP TO 1/8°, STIFF, SLIGHTLY PLASTIC TO PLASTIC, LIGHTLY MOIST 1.7 SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE, UP TO 1/4°, LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5° BGS, WITH FINE SAND LAST 0.6° SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY PLASTIC, TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY STICKY, WET, VERY MOIST FROM 21.5-23.1° BGS. 4 DP-15 (18.5-19) 12.0 SC CLAYEY SAND, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8°, MEDIUM SAND, VERY SLIGHTLY SAND, SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8°, MEDIUM SAND, VERY MOIST	475		-			1.9		CL			I, WITH RED MOTTLIN	NG, STIFF, SLIGHTL	Y PLASTIC TO		
400 10			5-			2.0			,		CE RED, STIFF, PLAS	TIC, SLIGHTLY MOI	ST TO MOIST		
3.9 SC CLAYEY SAND, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, LIGHTLY MOIST. SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVE UP TO 1/8", STIFF, SLIGHTLY PLASTIC TO PLASTIC, LIGHTLY MOIST. SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVELY TO 1/4", LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5" BGS, WITH FINE SAND LAST 0.6" SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITT VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY PLASTIC, MOIST, LAST 0.4" SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITT VERY FINE SAND, SLIGHTLY PLASTIC, MOIST, LAST 0.4" SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITT VERY FINE SAND, SLIGHTLY PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, MOIST, LAST 0.4" SC CLAYEY SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, COHESIVE, SLIGHTLY STIFF, PLASTIC, WET, VERY MOIST FROM 21.5-23.1" BGS. CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SOME SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY MOIST			_	4											
465 10			-			2.0									
4 DP-15 (18.5-19) 12.0 SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, SOME SUBROUNDED GRAVEL TO 14", LITTLE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5 BGS, WITH FINE SAND LAST 0.6' SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY MOIST, SOME DARK BROWN AT 13.5 BGS, WITH FINE SAND LAST 0.6' SILTY CLAY, STRONG BROWN, SOME LIGHT GRAY MOTTLING, SOME BLACK NODULES, LITT VERY FINE SAND, SLIGHTLY PLASTIC TO PLASTIC, STIFF, MOIST. TRACE VERY FINE SAND, SLIGHTLY PLASTIC, MOIST, LAST 0.4' SC CLAYEY SAND, STRONG BROWN AND LIGHT GREENISH GRAY, VERY FINE TO FINE SAND, COHESIVE, SLIGHTLY STICKY, WET, VERY MOIST FROM 21.5-23.1' BGS. CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SANDY CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY SNOID SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY MOIST	470		10-	4		2.1			SILTY CLAY, STRO	NG BROWN, SOM	E LIGHT GRAY MOTTI	LING, TRACE SUBF			
465 15- 16- 17- 18- 18- 18- 18- 18- 18- 18			-			2.0									
4 (14-14.5) 2.6 15- 4 (14-14.5) 2.6 3.9 4 DP-15 (18.5-19) 12.0 4 DP-15 (22.5-23.0) 20- 4 DP-15 (25.0-25.5) 231.6 CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGH	465		-	-	DP-15	1.7			TO 1/4", LITTLE BL	ACK NODULÉS, SL	IGHTLY PLASTIC TO	PLASTIC, VERY ST	IFF, SLIGHTLY		
4 DP-15 (18.5-19) 12.0 SC CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, LAST 0.4' 130.6 4 DP-15 (22.5-23.0) 231.6 CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SC SAND, SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,			15-	4		2.6									
455 20 30.6 4 DP-15 (22.5-23.0) 21.6 CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SC SANDY CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,	460		_	4	DD 15	3.9			VERY FINE SAND,	SLIGHTLY PLASTIC	C TO PLASTIC, STIFF,				
4 DP-15 (22.5-23.0) 231.6 CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SC SAND, SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST 399.1 GC SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,	400		20-	7		12.0									
25 – (22.5-23.0) 231.6 CL SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, MOIST. SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SC SAND, SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST 399.1 GC SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,			_			130.6		SC					O FINE SAND,		
231.6 25- 25- 25- 4 27- 28- 29- 29- 20- 20- 20- 20- 20- 20			-	4											
25— 4 133.7 SANDY CLAY, STRONG BROWN, SOME BLACK STREAKING, SLIGHTLY PLASTIC, COHESIVE, SLIGHTLY STIFF, SLIGHTLY MOIST. SC SAND, SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST 399.1 GC SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,	455		_		,	231.6		CL			ME BLACK STREAKING	G, SLIGHTLY PLAS	TIC, COHESIVE,		
SC SAND, SOME CLAY, STRONG BROWN, WITH DARK BROWN, MEDIUM SAND, SLIGHTLY COHESIVE, VERY MOIST SW SAND, DARK GRAY, SOME BLACK, TRACE CLAY, MEDIUM SAND, VERY SLIGHTLY COHESIVE, VERY MOIST SOM SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND, VERY MOIST			25-	-		133.7			SANDY CLAY, STR	ONG BROWN, SOI	ME BLACK STREAKING	G, SLIGHTLY PLAS	TIC, COHESIVE,		
450			_	4				sc	SAND, SOME CLAY	Y, STRONG BROW	N, WITH DARK BROW	N, MEDIUM SAND,	SLIGHTLY		
VERY MOIST 399.1 GC SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,	450		-	-		399.4			COHESIVE, VERY I	MOIST					
VERY SLIGHTLY COHESIVE, VERY MOIST	45U		- 399.1 GC \SAND, DA						VERY MOIST SAND, DARK GRAY	VERY MOIST SAND, DARK GRAY, SOME BLACK, TRACE CLAY, SOME GRAVEL UP TO 1/8", MEDIUM SAND,					
									VERY SLIGHTLY C	OHESIVE, VERY M	OIST				
													Page 1 of		



DP-15 Site ID:

Whirlpool Corporation Project Name:

Elevation (ft)	Water Level	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description
		-	4		241.5		GC	SAND TO C	DAND GRAVEL, STRONG BROWN, WITH CLAY, SUBROUNDED GRAVEL UP TO 1" MEDIUM OARSE SAND, COHESIVE, STIFF TO SLIGHTLY STIFF, MOIST (continued)
-445		- - 35-							
-440		- - -							
		40-							
-435		- 45							
-430		- - -							
-425		50-							
		55- -							
-420		60-							
ı⊢415		- - -							
-420 -415		65— - -							
									Page 2 of 2

		4	9 6	11	/ID/	~ N	Site ID: DP-16 Date(s): 1/9/2014
		-		111	/IRO	יוע	Location: Fort Smith, Arkansas
		2118	3 N. Tyler Ro	oad, Wic	hita, Kans	as 6721	2 Logged By: N. Zurweller
Consultin	g Firm	: EN	NVIRON				Checked By: K. Stonestreet
Contracto	or:	Me	ohawk Dr	rilling			Purpose: Soil Boring
Drilling M	ethod:	Di	rect Push	า			Datum: NAVD88 Elevation: 478 amsl
Sampling	Metho	od: (Continuo	us Sar	npler		North: 368635.87 East: 590896.42
Remarks	:						Borehole Dia.: 2.5 inches Total Depth: 30.0 feet
							Project Number: 3433253A
							Project Name: Whirlpool Corporation
Elevation (ft) Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
				8.6	F & 1 P &		CONCRETE
	_	4		0.0			SILTY FILL, VERY DARK BROWN, SOME ANGULAR GRAVEL UP TO 3/4", SOME FINE SAND, LOOSE, VERY SLIGHTLY MOIST
475	-			22.3		CL	SILTY CLAY, GRAYISH BROWN, WITH GRAY MOTTLING, STIFF, SLIGHTLY PLASTIC TO PLASTI SLIGHTLY MOIST
	5-			82.4			SILTY CLAY, GRAYISH BROWN, WITH GRAY MOTTLING, STIFF, SLIGHTLY PLASTIC TO PLASTI SLIGHTLY MOIST
	-	4		38.1		ML	CLAYEY SILT, PALE BROWN AND STRONG BROWN, SLIGHTLY STIFF, NON-PLASTIC, SLIGHTL MOIST
470	10-	4	DP-16 (9.0-9.5)	32.3		CL	SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, TRACE BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST
	-		_	74.5			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, SLIGHTLY
465	-			10.8		ML	PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST CLAYEY SILT, PALE BROWN TO BROWN, SLIGHTLY STIFF, NON-PLASTIC, SLIGHTLY MOIST
	15-	4		10.8		CL	SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST
460	-	4		72.1			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, SLIGHTLY PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST
	20-			29.4			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, TRACE VERY FINE SAND, VERY STIFF, SLIGHTLY PLASTIC, SLIGHTLY MOIST TO MOIST
				13.1			SILTY CLAY, STRONG BROWN, TRACE VERY FINE SAND, LIGHT GREENISH GRAY MOTTLING, SLIGHTLY STIFF, PLASTIC, MOIST
455	-	4		35.0			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, SOME VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, MOIST
	25-	4	_	19.1			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, TRACE VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, MOIST SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, LITTLE VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, MOIST
	-			9.8			
450		2	DP-16	7.2			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, SOME VERY FINE SAND, SLIGHTLY STIFF, PLASTIC, MOIST



DP-16 Site ID:

Whirlpool Corporation Project Name:

Project Number: 3433253A

Elevation (ft)	Water Level	Depth (ft)	Sample Interval	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description
-445		35—					GRAY	Y, SOME BLACK NODULES, LAMINATED HARD, IN THE SHOE OF SAMPLER
-440		40-						
-435		- - 45-						
-430		- - 50-						
-425		- - 55 -						
M_NZ2.GPJ; 05/02/14		60-						
IKE2; File: TUESDAY 12PI		- 65-						
Report: SOIL_LOG_REV_1_MKE2; File: TUESDAY_12PM_NZ2.GPJ; 05/02/14 410 101 102 103 104 105 105 105 105 105 105 105		_						Page 2 of 2

Contr Drillin Samp	ultinç		•	ĮΕ	INI	/IK(111							
Contr Drillin Samp	ultino				200	1117	JI.	N	Location: Fort Smith, Arkansas Logged By: N. Zurweller					
Contr Drillin Samp	ulting		2118	N. Tyler R	oad, Wid	chita, Kans	as 67212	2						
Drillin Samp		g Firm	: EN	IVIRON					Checked By: K. Stonestreet Purpose: Soil Boring Datum: NAVD88 Elevation: 478 amsl North: 368689.19 East: 590954.97					
Samp	acto	r:	Мс	hawk D	rilling									
	ng Me	ethod:	Dii	rect Pus	h									
Rema	oling	Metho	od: C	Continuo	us Saı	mpler								
Remarks:									Borehole Dia.:	2.5 inches	Total Depth:	31.5 feet		
									Project Number: 3433253A					
									Project Name: Whirlpool Corporation					
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code		Ma	aterial Descripti	on			
		- - - 5-			1.7			CONCRETE SILTY SAND FILL,	F MOIST					
			2.9				GC	GRAVEL AND SILTY CLAY, STRONG BROWN, WITH SUBANGULAR GRAVEL UP TO 1/2", LITTLE FINE SAND, SLIGHTLY COHESIVE, SLIGHTLY MOIST						
475			-		2.5			SILTY CLAY, GRAYISH BROWN, WITH STRONG BROWN, WITH GRAY MOTTLING, TRACE BLACK NODULES, TRACE WHITE NODULES, VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY						
					4.8		MOIST							
		_	4		4.0									
		-			3.9									
470		- - 10-	4	DP-17 (9.0-9.5)				SILTY CLAY, GRAYISH BROWN, WITH STRONG BROWN, WITH GRAY MOTTLING, TRACE TO LITTLE SUBROUNDED GRAVEL UP TO 1/8", LITTLE BLACK NODULES, HARD, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST						
		-			7.5									
465		-	4		7.7			SILTY CLAY, GRAYISH BROWN, WITH STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, HARD, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST SILTY CLAY, GRAYISH BROWN, WITH STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK						
		15-			6.4									
460		-	1		3.7				PLASTIC, SLIGHTLY I					
		20-			5.6 4.5			SILTY CLAY, LIGHT GREENISH GRAY, TRACE STRONG BROWN MOTTLING, TRACE FINE SAND, PLASTIC, STIFF, SLIGHTLY MOIST						
455		-	3.4		4.8				STRONG BROWN AND LIGHT GREENISH GRAY, TRACE VERY FINE SAND, STIFF,					
		25-			3.7		GC CL	SILTY CLAY, STRONG BROWN AND LIGHT GREENISH GRAY, TRACE TO LITTLE VERY FINE SAND, STIFF, PLASTIC, SLIGHTLY MOIST SANDY CLAY, STRONG BROWN, VERY FINE TO FINE SAND, STICKY, PLASTIC, VERY MOIST						
450		-	2.8		4.1	4.1			GRAVEL, SUBROUNDED UP TO 1/2", WET. SANDY CLAY, STRONG BROWN, VERY FINE TO FINE SAND, STICKY, PLASTIC, VERY MOIST.					
.00		-			4.4									



DP-17 Site ID:

Project Name: **Whirlpool Corporation**

Elevation (ft)	Water Level	Depth (ft)	Sample Interval	Sample No.		PID (ppm)	Graphic Log	USCS Code	Material Description
		-	3.5		14.9		GC	CLAY COAF	YEY SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1/2", MEDIUM TO RSE SAND, COHESIVE, VERY MOIST.
-445		_							
		- 35-							
		-							
-440		-							
		-							
		40-							
-435		-							
		-							
		45 -							
-430		-							
		-							
		50 —							
-425		-							
		- 							
		55- -							
<u>+</u> -420		-							
. 05/02/		-							
NZ2.GPJ		60-							
Md 21 -415		-							
UESDAY		-							
2; File: T		65-							
₩ -410		-							
OG_RE		-							
Report: SOIL LOG REV 1 MKE2; File: TUESDAY 12PM NZZ.GPJ; 05/02/14						_			
Repo									Page 2 of 2

			1	7 E	11	/IR	\sim	Site ID: DP-18 Date(s): 1/9/2014				
			•		NI	IIV	JI.	Location: Fort Smith, Arkansas				
			2118	3 N. Tyler Ro	ad, Wic	hita, Kans	as 6721	2 Logged By: N. Zurweller				
		g Firm	: E N	NVIRON				Checked By: K. Stonestreet				
Conti	racto	r:	Me	ohawk Dr	illing			Purpose: Soil Boring				
		ethod:		rect Push				Datum: NAVD88 Elevation: 478 amsl				
			od: (Continuo	us Sar	npler		North: 368701.79 East: 591195.98				
Rema	arks:							Borehole Dia.: 2.5 inches Total Depth: 28.0 feet				
								Project Number: 3433253A				
			1			<u> </u>	ı	Project Name: Whirlpool Corporation				
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code	Material Description				
		_			4.2	PAPI	CL	CONCRETE				
475		-	4		4.2			SILTY CLAY, GRAYISH BROWN AND STRONG BROWN, TRACE BLACK NODULES, SLIGHTLY STIFF, SLIGHTLY PLASTIC, SLIGHTLY MOIST, SLIGHTLY MOIST, INCREASED SILT FROM 1-2' BGS				
		-	-		5.1							
		5-			5.8			SILTY CLAY, GRAYISH BROWN AND STRONG BROWN, TRACE BLACK NODULES, SLIGHTLY STIFF, SLIGHTLY PLASTIC, SLIGHTLY MOIST, SLIGHTLY MOIST				
		-	4		6.8			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, WITH BLACK NODULES, PLASTIC, STII TO VERY STIFF, SLIGHTLY MOIST.				
470		-		_	7.0			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, TRACE SUBROUNDED GRAVEL UP TO 1/8", SLIGHTLY PLASTIC TO PLASTIC, VERY STIFF, SLIGHTLY MOIST.				
		10-	4		7.5			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, TRACE SUBROUNDED GRAVEL UP TO 1/8", SLIGHTLY PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST.				
465		-	4		4.8			SILTY CLAY, STRONG BROWN, WITH GRAY MOTTLING, SOME BLACK NODULES, TRACE SUBROUNDED GRAVEL UP TO 1/8", SLIGHTLY PLASTIC TO PLASTIC, HARD, SLIGHTLY MOIST.				
		15-	-	_	22.3			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, WITH FINE SAND, TRACE BLACK NODULES, STIFF TO VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST				
460		-	4		12.7			SILTY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, WITH FINE SAND, TRACE BLACK NODULES, STIFF TO VERY STIFF, SLIGHTLY PLASTIC TO PLASTIC, SLIGHTLY MOIST				
-		20-		_	32.9			SANDY CLAY, STRONG BROWN, SOME LIGHT GREENISH GRAY MOTTLING, SOME BLACK STREAKING, FINE SAND, STIFF TO SLIGHTLY STIFF, PLASTIC				
		-	4	23.6	23.6			SANDY CLAY, STRONG BROWN, SOME LIGHT GREENISH GRAY MOTTLING, SOME SUBROUNDED GRAVEL UP TO 1/4", SOME BLACK STREAKING, FINE SAND, STIFF TO SLIGHTLY STIFF, PLASTIC				
455		-				SC	CLAYEY SAND, STRONG BROWN, LITTLE LIGHT GREENISH GRAY MOTTLING, SOME SUBROUNDED GRAVEL UP TO 1/4", FINE TO MEDIUM SAND, COHESIVE, MOIST					
		25-	3.5		22.3			CLAYEY SAND, STRONG BROWN, LITTLE LIGHT GREENISH GRAY MOTTLING, SOME SUBROUNDED GRAVEL UP TO 1/4", FINE TO MEDIUM SAND, COHESIVE, MOIST CLAYEY SAND, STRONG BROWN, SOME SUBROUNDED GRAVEL UP TO 1/8", FINE TO MEDIUM				
		-		DP-18 (27.5-28.0)	28.7		GC	SAND, STICKY, COHESIVE, WET SAND AND GRAVEL, STRONG BROWN, SUBROUNDED GRAVEL UP TO 1", TRACE CLAY, MEDIL				
450		-	-				GC	SAND, SLIGHTLY COHESIVE, WET.				
	1		I	1	l	I	I	Page 1 of				

		Site ID: DP-19 Date(s): 1/11/2014				
S EI	NVIRON	Location: Fort Smith, Arkansas				
	oad, Wichita, Kansas 67212					
Consulting Firm: ENVIRON		Checked By: K. Stonestreet				
Contractor: Mohawk Dr	illing	Purpose: Soil Boring				
Drilling Method: Direct Push		Datum: NAVD88 Elevation: 478 amsl				
Sampling Method: Continuo	us Sampler	North: 368293.84 East: 590857.76				
Remarks:		Borehole Dia.: 2.5 inches Total Depth: 19.2 feet				
		Project Number: 3433253A				
		Project Name: Whirlpool Corporation				
Elevation (ft) Water Level Depth (ft) Recovery (feet) Sample No.	PID (ppm) Graphic Log USCS Code	Material Description				
	ОСН	GRAVEL, SUBBASE SILTY FILL AND GRAVEL, DARK BROWN, SLIGHTLY STIFF, VERY SLIGHTLY MOIST				
475	0					
5 4	0 ML	CLAYEY SILT FILL, VERY DARK GRAYISH BROWN, WITH SUBANGULAR GRAVEL UP TO 1", SLIGHTLY STIFF, CRUMBLY, MOIST				
10 — 2	0 0	CLAYEY SILT FILL, VERY DARK GRAYISH BROWN, WITH SUBANGULAR GRAVEL UP TO 1", SOM SILTY CLAY, SLIGHTLY STIFF, CRUMBLY, MOIST				
465 - 4	ОСН	SILTY CLAY, STRONG BROWN, SOME GRAY MOTTLING, TRACE BLACK NODULES, VERY STIFF SLIGHTLY PLASTIC, VERY SLIGHTLY MOIST, ABUNDANT SILT FIRST 0.5' NATIVE SOIL WITH MOTTLING, GRAY.				
15-	0	NATIVE SOIL WITH MOTTLING, GRAY, AND BLACK NODULES, SLUFF				
460 - 3.2	0	NATIVE SOIL WITH MOTTLING, GRAY, AND BLACK NODULES, SLUFF, HARD				
20-						
455 - 25 -						
450 -						
		Page 1 of				

			4	9 F	11	/ID/	\sim	1	Site ID:	DP-22	Date(s): 1/10)/2014		
			-	Į E∣	11	/IK	JI.	V	Location: Fort Smith, Arkansas Logged By: N. Zurweller					
			2118	N. Tyler Ro	ad, Wic	hita, Kans	as 6721	2						
Consulting Firm: ENVIRON Contractor: Mohawk Drilling Drilling Method: Direct Push									Checked By: K. Stonestreet					
									Purpose: So	oil Boring				
									Datum: NAVD88 Elevation: 478 amsl					
Samp	Sampling Method: Continuous Sampler								North: 3688	22.35	East: 59209 6	5.76		
Remarks:									Borehole Dia	.: 2.5 inches	Total Depth:	28.5 feet		
									Project Numb	oer: 3433253A				
									Project Name	e: Whirlpool Co	orporation			
Elevation (ft)	Water Level	Depth (ft)	Recovery (feet)	Sample No.	PID (ppm)	Graphic Log	USCS Code			Material Descripti	on			
		_			4.3		МН		· · · · · · · · · · · · · · · · · · ·	GRAVEL, FINE GRAIN, DME BLACK NODULES,		HTI V MOIST		
		-	3		1.0			CLATET SILT, STI	KONG BROWN, SC	DIVIL BLACK NODOLLS,	STILL, VERT SEIG	TITET MOIST		
475		-			5.9			CLAYEY SILT, STRONG BROWN, SOME BLACK NODULES, STIFF, VERY SLIGHTLY MOIST						
		-		-	5 0									
		5-			5.8	CL		SILTY CLAY, STRONG BROWN, TRACE GRAY MOTTLING, TRACE SUBROUNDED GRAVEL UP 1 1/8", TRACE BLACK NODULES, SLIGHTLY STIFF, VERY SLIGHTLY MOIST.						
		-	4		6.8			no, no de se te	orriod delo, delo	THE THIT, VERT OF	orner molor.			
470		- - 10-		DP-22 (8.5-9.0)			МН			D PALE BROWN, TRAC		TTLING, SOME		
			4		6.1		WHITE NODULES, TRACE BLACK NODULES, VERY SLIGHTLY PLASTIC, DRY							
		-			6.2									
		-		-				CLAYEY SILT, STI	RONG BROWN AN	D PALE BROWN, TRAC	E LIGHT GRAY MC	TTLING, SOME		
465		-			5.1			WHITE NODULES	, TRACE BLACK NO	ODULES, VERY SLIGHT	TLY PLASTIC, DRY	,		
		- 15	4		5.2			CLAYEY SILT, STI	RONG BROWN, WI	TH SUBROUNDED GR	AVEL UP TO 1/4", V	VITH BLACK		
		-		-	0.2			,		C, STIFF, SLIGHTLY MO TH SUBROUNDED GR		VITH DI ACK		
		-	_		4.7		CL	NODULES, VERY	SLIGHTLY PLASTIC	C, STIFF, SLIGHTLY MO	DIST			
460		-	4		66			SILTY CLAY, STRONG BROWN, TRACE GRAY MOTTLING, STIFF, PLASTIC, SLIGHTLY MOIST						
		20-			6.6			OII TY 01 (1) 255	ONO DECIMAL TO	OF ODAY 110==: :::-	OTHER DIAGES	IOLITI VALCET		
		-			4.3		СН	SILTY CLAY, STR	ONG BROWN, TRA	CE GRAY MOTTLING,	STIFF, PLASTIC, SI	LIGHTLY MOIST		
		-	4											
455		-			5.9		SILTY CLAY, STRONG BROWN, SOME FINE TO VERY FINE SAND, SLIGHTLY STIFF TO STIFF,							
		25-			6.6			SILTY CLAY, STRONG BROWN, SOME FINE TO VERY FINE SAND, SLIGHTLY STIFF TO STI SLIGHTLY MOIST SILTY CLAY, STRONG BROWN, WITH LIGHT GRAY MOTTLING, SOME FINE TO VERY FINE						
		-	4					SLIGHTLY STIFF TO STIFF, SLIGHTLY MOIST SANDY CLAY, STRONG BROWN, WITH LIGHT GREENISH GRAY MOTTLING, VERY FINE TO FIN						
450		-	1	DP-22 (27.5-28)	7.1		60	SAND, SLIGHTLY	STIFF, SLIGHTLY I	MOIST				
450			0.5		6.2		SC GC	SAND, STIFF, SLI	GHTLY MOIST TO I EL, STRONG BROV	ONG BROWN, SUBROU MOIST WN, SOME CLAY, SUBF		·		
												Page 1 of		