Appendix B

Soil Boring Logs

Former Gulf States Creosoting Site Hattiesburg, Mississippi

Envir		ntal N	Mana	agement		gineerin Hou!	g Services ston, Texas Boring/Well No.: SB/MW-09							
New Orleans, Louisiana Houston, Texas Boring/Weil No.: 35/WW-93														
Locati	Location: MARTIN LUTHER KING JR BLVD.													
Surface Elev.: 175.31 Boring T.D.: 31 ft. Boring Dia.: 8.25 in.														
Date Started: 9-22-98 Date Completed: 9-22-98														
Drilling	g Comp	any: _	TECHN	IICAL DRIL	LING SERV	ICES	Driller: CURTIS LEE							
	Drilling Method: HOLLOW STEM AUGER Grouting Method: CEMENT/BENTONITE GROUT VIA TREMIE Logged by: DAVID UPTHEGROVE													
Logge		WELL	DAVIU	UPTHEGR	OVE									
DEPTH (FEET)	DEPTH (FEET) LITHOLOGY (GRAPHIC LOG)		SAMPLE TYPE	PID (PPM)	SAMPLE RECOVERY (FEET/FEET)	DESCRIPTION INTERVAL (FEET)	SOIL DESCRIPTION							
0-														
			\bigvee		1.7/4	0-4	FILL: BROWN SAND & SILT W/GRAVEL, DRY, 0.3' SANDY CLAY AT BASE, DRY, TAN							
5 -					3.1/5	4-9	0.6' AS ABOVE, THEN SILTY CLAY: LIGHT GRAY, MOIST, STIFF, IRON STAINING							
10					2.3/5	9–14	1.5' AS ABOVE, THEN SANDY CLAY: PURPLE GRAY, VERY MOIST TO SATURATED, STIFF, SLIGHT NAPHTHALENE ODOR							
15 -			X		1.0/2	19-21	SAND: WHITE, SATURATED, MEDIUM GRAINED W/ GRAVEL, SLIGHT NAPHTHALENE ODOR							
-														
25 -			X	ļ	0.8/2	24-26	GRAVEL & SAND: SAND WHITE, GRAVEL UP TO 1/4" IN DIAMETER SATURATED, DENSE							

2.0/2

29-31

DRILLER FEELS SAND/CLAY BREAK AT \pm 28' SILTY CLAY: GREEN GRAY, MOIST, VERY STIFF

Troject: FORMER GULF STATES CREOSOTING SITE Location: SOUTH END OF FILL AREA Surface Elev: 186.92 Boring T.D.: 14 ft. Boring Dia.: 8.25 in. Date Started: 9-22-98 Date Completed: 9-22-98 Drilling Company: TECHNICAL DRILLING SERVICES Drilling Method: HOLLOW STEM AUGER Drilling Method: HOLLOW STEM AUGER DAVID UPTHEGROVE SOIL DESCRIPTION O 3.0/4 0-4 SILTY SAND: BROWN & TAN, DRY, VERY FINE GRAINED, SIGNAVEL AT SURFACE, SOME SLIGHTLY CLAYEY INTERVAL 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: LIGHT GRAY, WERY MOIST, STIFF, THE 1.1' SANDY CLAY: GRAY-GREEN, MOIST, VERY STIFF, THE 1.1' SANDY CLAY: GRAY-GREEN,	Environmental Management and Engineering Services New Orleans, Louisiana Houston, Texas Boring/Well No.: SB/MW-10													
SOUTH END OF FILL AREA	rojec	t:	FORM	ER GU	LF STATES	CREOSO1	TING SITE		_ Project No.: <u>21-04</u>					
Date Started: 9-22-98 Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE HOLLOW STEM AUGER Grouting Method: Logged by: DAVID UPTHEGROVE SOIL DESCRIPTION SOIL DESCRIPTION SOIL DESCRIPTION 3.0/4 0-4 SILTY SAND: BROWN & TAN, DRY, VERY FINE GRAINED, SIGNAVEL AT SURFACE, SOME SLIGHTLY CLAYEY INTERVAL 1.1' SANDY CLAY: LIGHT GRAY, VERY MOIST, STIFF, THE 0.3' SAND: LIGHT GRAY, SATURATED, MEDIUM GRAINED W/ GRAY THEN 1.6' SANDY CLAY: GRAY-GREEN, MOIST, VERY ST	Location: SOUTH END OF FILL AREA													
Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE HOLLOW STEM AUGER Grouting Method: CEMENT/BENTONITE GROUT VIA DAVID UPTHEGROVE FIGURE 1.1° SAND: WHITE SATURATED, MEDIUM GRAINED W/ GRAY THEN 1.6° SANDY CLAY: GRAY—GREEN, MOIST, VERY ST	Surfac	e Elev.	:	186.9	2	Bor	ing T.D.: .	14 ft	Boring Dia.: <u>8.25 in.</u>					
Drilling Method: HOLLOW STEM AUGER Grouting Method: CEMENT/BENTONITE GROUT VIA Logged by: DAVID UPTHEGROVE SOIL DESCRIPTION SOIL DESCRIPTION SOIL DESCRIPTION 3.0/4 0-4 SILTY SAND: BROWN & TAN, DRY, VERY FINE GRAINED, SIGNAVEL AT SURFACE, SOME SLIGHTLY CLAYEY INTERVAL 1.1' SANDY CLAY: LIGHT GRAY, VERY MOIST, STIFF, THE 0.3' SAND: LIGHT GRAY, SATURATED, FINE—GRAINED 1.7' SAND: WHITE SATURATED, MEDIUM GRAINED W/ GRAY THEN 1.6' SANDY CLAY: GRAY—GREEN, MOIST, VERY ST	Date \$	Started	:	9-22	-98			Date Completed:	9-22-98					
Logged by: DAVID UPTHEGROVE SOIL DESCRIPTION SOIL DESCRIPTION SOIL DESCRIPTION SOIL DESCRIPTION SOIL DESCRIPTION 3.0/4 O-4 SILTY SAND: BROWN & TAN, DRY, VERY FINE GRAINED, SIGNAVEL AT SURFACE, SOME SLIGHTLY CLAYEY INTERVAL 1.1' SANDY CLAY: LIGHT GRAY, VERY MOIST, STIFF, THE 0.3' SAND: LIGHT GRAY, SATURATED, FINE-GRAINED 10- 1.7' SAND: WHITE SATURATED, MEDIUM GRAINED W/ GRAY THEN 1.6' SANDY CLAY: GRAY-GREEN, MOIST, VERY ST	Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE													
SOIL DESCRIPTION 3.0/4 O-4 SILTY SAND: BROWN & TAN, DRY, VERY FINE GRAINED, SOIR GRAVEL AT SURFACE, SOME SLIGHTLY CLAYEY INTERVAL 1.1' SANDY CLAY: LIGHT GRAY, VERY MOIST, STIFF, THE O.3' SAND: LIGHT GRAY, SATURATED, FINE-GRAINED 10- 10- 1.7' SAND: WHITE SATURATED, MEDIUM GRAINED W/ GRAV THEN 1.6' SANDY CLAY: GRAY-GREEN, MOIST, VERY ST							<u>-</u>	Grouting Method:	CEMENT/BENTONITE GROUT VIA TREMIE					
3.0/4 3.														
3.0/4 3.	DEPTH (FEET)	LITHOLOGY (GRAPHIC LOG)	WELL CONSTRUCTION	SAMPLE TYPE	РЮ (РРМ)	SAMPLE RECOVERY (FEET/FEET)	DESCRIPTION INTERVAL (FEET)		SOIL DESCRIPTION					
3.0/4 3.														
3.9/5 1.1' SANDY CLAY: LIGHT GRAY, VERY MOIST, STIFF, THE O.3' SAND: LIGHT GRAY, SATURATED, FINE—GRAINED 1.7' SAND: WHITE SATURATED, MEDIUM GRAINED W/ GRAY THEN 1.6' SANDY CLAY: GRAY—GREEN, MOIST, VERY ST				\bigvee		3.0/4	0-4	SILTY SAND: BROWN & GRAVEL AT SURFACE	TAN, DRY, VERY FINE GRAINED, SOME , SOME SLIGHTLY CLAYEY INTERVALS					
THEN 1.6' SANDY CLAY: GRAY-GREEN, MOIST, VERY ST	5 1 1					3.9/5	4-9	1.1' SANDY CLAY: LI	GHT GRAY, VERY MOIST, STIFF, THEN					
15 — — — — — — — — — — — — — — — — — — —	10-					3.3/5	9-14	1.7' SAND: WHITE SATE THEN 1.6' SANDY CL	JRATED, MEDIUM GRAINED W/ GRAVEL, AY: GRAY-GREEN, MOIST, VERY STIFF					
	15 20 25													

Environmental Management and Engineering Services Houston, Texas New Orleans, Louisiana

Boring/Well No.: SB/MW-11 roject: FORMER GULF STATES CREOSOTING SITE Project No.: 21-04 Location: WEST END OF FILL AREA AT WEST PINE STREET _____ Boring T.D.: _____14 ft. _____ Boring Dia.: ____8.25 in. ____ 187.99 Surface Elev.: _ _____ Date Completed: ____9-22-98 9-22-98 Date Started: _ Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE Grouting Method: CEMENT/BENTONITE GROUT VIA TREMIE HOLLOW STEM AUGER Drilling Method: _ DAVID UPTHEGROVE Logged by: _ LITHOLOGY (GRAPHIC LOG) WELL CONSTRUCTION (PPM) DEPTH (FEET) SAMPLE SOIL DESCRIPTION 5 FILL: SAND & GRAVEL, SOME BLACK ASPHALT-LIKE MATERIAL AT BASE 2.7/4 0 - 4SILTY CLAY: LIGHT GRAY, DRY TO SLIGHTLY MOIST, VERY STIFF, BECOMING SANDY W/ IRON STAINING AT BASE 4.3/5 4-9 0.8' SAND: WHITE W/ ORANGE IRON STAINING, SATURATED, MEDIUM GRAINED, THEN 1.0' CLAY: LIGHT GRAY, MOIST, STIFF, 10 THEN 0.4' SAND, SAME AS SAND ABOVE 2.2/5 9-14 15 20 25

Environmental Management and Engineering Services

Boring/Well No.: _SB/MW-12 Houston, Texas New Orleans, Louisiana FORMER GULF STATES CREOSOTING SITE Project No.: 21-04 roject: _ NORTH END OF FILL AREA Location: _ _____ Boring T.D.: _____24 ft. _____ Boring Dia.: ____8.25 in. _____ 184.21 Surface Elev.: _ _____ Date Completed: _____9-22-98___ 9-22-98 Date Started: _ Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE Grouting Method: CEMENT/BENTONITE GROUT VIA TREMIE Drilling Method: HOLLOW STEM AUGER DAVID UPTHEGROVE Logged by: _ LITHOLOGY (GRAPHIC LOG) WELL CONSTRUCTION DESCRIPTION INTERVAL (FEET) (PPM) SAMPLE SOIL DESCRIPTION 윤 SANDY SILT: BROWN, THEN TAN & LIGHT GRAY, DRY 2.6/4 0 - 4SAND: WHITE, DRY, IRON STAINING AT BASE 4-9 3.3/5 CLAY: GRAY-GREEN, DRY, VERY STIFF, IRON STAINING 10 4.3/5 9-14 2.8' AS ABOVE, THEN O.8' CLAYEY SAND: WHITE, ORANGE IRON STAINING, WET, THEN O.9' SANDY CLAY: SAME AS CLAY ABOVE, THEN O.5' SAND: GREEN GRAY, SATURATED, MEDIUM GRAINED, SOME GRAVEL 15 5.0/5 14-19 0.7' SANDY CLAY: GREEN GRAY, MOIST, STIFF, THEN 0.3' SAND: 20 ORANGE, SATURATED, MEDIUM GRAINED, THEN 0.4' SANDY CLAY: SAME AS CLAY ABOVE, THEN 1.3' SAND: GRAY-GREEN, SATURATED, MEDIUM GRAINED, THEN CLAY: BROWN & GRAY 4.0/5 19-24 GREEN, DRY TO SLIGHTLY MOIST, VERY STIFF TO HARD 25

Environmental Management and Engineering Services

Boring/Well No.: SB/MW-13 Houston, Texas New Orleans, Louisiana Project: FORMER GULF STATES CREOSOTING SITE Project No.: 21-04 RAMADA INN PROPERTY Location: ___ _____ Boring T.D.: _____19 ft. ____ Boring Dia.: ____8.25 in. ____ 184,26 Surface Elev.: ___ _____ Date Completed: _____9-22-98 9-22-98 Date Started: ___ Drilling Company: TECHNICAL DRILLING SERVICES Driller: CURTIS LEE Drilling Method: HOLLOW STEM AUGER Grouting Method: CEMENT/BENTONITE GROUT VIA TREMIE DAVID UPTHEGROVE Logged by: _ UTHOLOGY (GRAPHIC LOG) WELL CONSTRUCTION DESCRIPTION INTERVAL (FEET) (PPM) DEPTH (FEET) SAMPLE SOIL DESCRIPTION 9 0.7' TOPSOIL: BROWN, DRY, THEN 0.4' SILT: TAN, DRY, THEN 1.8' SILTY CLAY: WHITE AND TAN, DRY, HARD FRIABLE 2.9/4 0 - 41.8' AS ABOVE, THEN O.8' SAND: WHITE, DRY, VERY FINE-GRAINED 2.6/5 4-9 1.4' SAND: WHITE AND LIGHT GRAY, SATURATED, MEDIUM GRAINED W/ SMALL GRAVEL, THEN 1.0' SILTY CLAY: LIGHT GRAY, MOIST, STIFF, THEN 0.3' SAND: LIGHT GRAY, SATURATED, W/ LARGER GRAVEL THAN ABOVE 2.7/5 9-14 2.2' AS ABOVE, W/ GREEN TINT, THEN O.3' SILTY CLAY: GRAY 15 GREEN, MOIST, STIFF 2.5/5 14-19 20