

PHASE II ENVIRONMENTAL SITE ASSESSMENT SUMMARY OF ANALYTICAL DATA
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TABLE 1 - SOIL ANALYTICAL RESULTS

LABORATORY ANALYSES (in mg/l or ppm) (report limits are in parenthesis)											
LABORATORY METHODS: EPA 8260					EPA 6010				OA2		
SAMPLE ID	SAMPLE DEPTH (FEET)	SAMPLE DATE	ACETONE	2-BUTANONE (methyl ethyl ketone (MEK))	ARSENIC	BARIUM	CHROMIUM	LEAD	TPH DRO: DIESEL RANGE	PRODUCT ID	
SB1	4-6	8/27/13	ND (0.03)	ND (0.01)	6.3 (1.2)	194 (1.2)	19.1 (0.60)	10.6 (1.2)	ND (22.1)	NA	
SB2	10-12	8/27/13	ND (0.03)	ND (0.01)	8.2 (1.0)	210 (1.0)	16.6 (0.52)	11.2 (1.0)	ND (22.7)	NA	
SB3	8-10	8/27/13	ND (0.02)	ND (0.01)	6.1 (1.0)	136 (1.0)	16.0 (0.52)	8.8 (1.0)	ND (22.3)	NA	
SB4	6-8	8/27/13	0.099 (0.03)	0.022 (0.01)	7.0 (1.2)	164 (1.2)	20.6 (0.59)	82.7 (1.2)	130 (25.5)	M	
TIER 2 RBSL	RES		50,300 n	NA	11.3 c	15,300 n	33.6 c	400	2,000 n		
	NONRES		406,000 n	NA	38 c	277,000 n	111 c	1,000	20,000 n		
	RES STGW		51.6	NA	NA	NA	NA	NA	5,440		
	NONRES STGW		204	NA	NA	NA	NA	NA	7,830		

TABLE 2 - RUNOFF WATER ANALYTICAL RESULTS

LABORATORY ANALYSES (in ug/l or ppb) (report limits are in parenthesis)							
LABORATORY METHODS:		EPA 6010		EPA 8270C	OA2		
SAMPLE ID	SAMPLE DATE	ARSENIC	BARIUM	FLOURENE	TPH DRO: DIESEL RANGE	PRODUCT ID	
DD RUNOFF	8/28/13	10.9 (5.0)	193 (10.0)	0.12 (0.10)	1,380 (400)	TEH	

ABBREVIATIONS AND REFERENCES

NA: not applicable or not analyzed

ND: not detected above the report limit in parenthesis.

TEH: Total Extractable Hydrocarbons

mg/l or ppm: milligrams/liter or parts per million

ug/l or ppb: micrograms/liter or parts per billion

RBSL: Risk Based Screening Levels. Obtained from Appendix A of the KDHE RSK Manual.

RES: Residential

NONRES: Non-Residential

RES STGW: Residential Scenario for Soil to Groundwater

NONRES STGW: Non-Residential Scenario for Soil to Groundwater

NOTE: Tables 1 and 2 above only list the analytes for which concentrations were detected above laboratory report limits; see Appendix G for the complete lab report.

NOTE: There are no government standards for contamination levels detected in runoff water. Below is a list of the Tier 2 RBSLs for groundwater and Surface Water Quality Standards in different categories. A direct comparison between analytical results and these standards cannot be made; they are for reference only.

NOTE: Surface Water Quality Standards obtained from Table 1a: Kansas Surface Water Quality Standards: Numeric Criteria as an attachment to KDHE Amended Regulation Article 16 - Surface Water Quality Standards.

			ARSENIC	BARIUM	FLOURENE	TPH DRO: DIESEL RANGE
GROUND WATER	TIER 2 RBSL (ug/L)	RES	10 m	2,000 m	162 n	500
		NONRES	10 m	2,000 m	341 n	720
SURFACE WATER	PUBLIC HEALTH (ug/L)	FOOD PROCUREMENT	20.5	NA	5,300	NA
		DOMESTIC WATER SUPPLY	10	1,000	NA	NA
	AQUATIC LIFE (ug/L)	ACUTE EXPOSURE	340	NA	NA	NA
		CHRONIC EXPOSURE	150	NA	NA	NA