Samples Collected 12/6/2011, Wilcox Refinery ESI, Bristow Ok.

TABLE 1: ANALYTICAL RESULTS FOR CONTAMINATED SURFACE SOIL SAMPLES (mg/kg)* COLLECTED (12/6/2011) DURING THE ESI SS-9. BACKGROUND SAMPLE: LWSS-9.			
Sample ID	LWSS-9	SS-9	
Substance			
Arsenic	< 10	2.70	
Copper	< 5	5.70	
Nickel	< 10	2.70	

TABLE 2: ANALYTICAL RESULTS FOR CONTAMINATED SURFACE SOIL SAMPLES (ug/kg)* COLLECTED (12/6/2011) DURING THE ESI SS-9. BACKGROUND SAMPLE: LWSS-9.			
Sample ID	LWSS-9	SS-9	
Substance			
Bis (2-ethylhexyl) phtalate	< 440	550	

650489

TABLE 3: ANALYTICAL RESULTS FOR CONTAMINATED SEDIMENT SAMPLES (mg/kg)* COLLECTED (12/6/2011) DURING THE ESI
SED-#.
BACKGROUND SAMPLE: SED-7.

Sample ID	SED-7	#12	# 13	#14
Substance				
Arsenic	<10	5.90	2.30	4.20
Barium	23.4	-	91.8	-
Chromium	<5	15.6	20.0	11.5
Copper	<5	4.50	8.60	5.40
Lead	<10	18.2	4.30	204
Nickel	<10	-	-	-
Zinc	8.60	-	25.9	-

TABLE 4: ANALYTICAL RESULTS FOR CONTAMINATED SEDIMENT SAMPLES (mg/kg)* COLLECTED (12/6/2011) DURING THE ESI
SED-#.
BACKGROUND SAMPLE: SED-9.

Sample ID	SED-9	#15	#16(17)
Substance			
Arsenic	<10	6.40	- (3.00)
Barium	14.2	122	44.8 (56.5)
Chromium	<5	25.7	11.1 (27.8)
Copper	<5	33.0	5.40 (21.0)
Lead	93.5	**4960**	-(-)
Nickel	<10	-	2.80 (-)
Zinc	13.8	232	-(-)

TABLE 5: ANALYTICAL RESULTS FOR CONTAMINATED SEDIMENT SAMPLES (ug/kg)* COLLECTED (12/6/2011) DURING THE ESI SED-14. BACKGROUND SAMPLE: SED-7.			
Sample ID	SED-7	SED-14	
Substance			
Anthracene	<430	580	
Benzo (b) fluoranthene	<430	1100	
Fluoranthene	<430	1600	
Benzo (a) pyrene	<430	1100	
Chrysene	<430	4100	
Pyrene	<430	4500	
Benzo (ghi) perylene	<430	780	
Benzo (a) anthracnene	<430	2400	

The above information represents samples which showed elevated levels of contaminants (i. e. 3 x backgrounds).

Former Wilcox Oil Refinery,
Creek County, Bristow, Oklahoma

sed-16 (17) ss-9

sed-15

Sand Creek

sed-14

Sed-13

sed-12

E 12TH Ave

E 11TH Ave

0 155 310 620 Feet

Legend

- Site Boundary
- Sand Creek Sediment Sample Locations
- Lee Residence SS Sample Location
- Railroad
- Sand Creek
- East Trib

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
...for a clean, attractive, prosperous Oklahoma