Project: TEC-263A **SMELTER IRON AND METALS** Officer: DRT Account: AFEB3A

Sample No: 85 500500 Begin Sample Date: 85/12/10 13:00 Source: Industrial Surface R Depth: QA Code:

Laboratory: RX Description: MAIN STORMSEWER CATCHBASIN NEAR SMELTER

Metals-Specified Parameter		Water-Total Result	Units
Sodium	Na-Total	12.9	mg/l
Arsenic	As-Total	1U	ug/l
Cadmium	Cd-Total	11	ug/l
Chromium	Cr-Total	33	ug/l
Copper	Cu-Total	7700	ug/l
Iron	Fe-Total	4920	ug/l
Lead	Pb-Total	2500	ug/l
Nickel	Ni-Total	30	ug/l
Silver	Ag-Total	1.5	ug/l
Zinc	Zn-Total	1455	ug/l
Aluminum	Al-Total	8160	ug/l

Metals - EP Toxicity Parameter		EPT-Liq Result	Units
Arsenic	As-Total	1U	ug/l
Barium	Ba-Total	450	ug/l
Cadmium	Cd-Total	5	ug/l
Chromium	Cr-Total	5U	ug/l
Copper	Cu-Total	254	ug/l
Lead	Pb-Total	5U	ug/l
Nickel	Ni-Total	4	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	208	ug/l

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500501 Begin Sample Date: 85/12/10 13:02 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: MAIN STORMSEWER SEDIMENT IN VICINITY

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	4400	MG/KG-CA
MG MUD	DRY WGT	6260	MG/KG-MG
NA MUD	DRY WGT	368	MG/KG-NA
K MUD	DRY WGT	403	MG/KG-K
Arsenic	As-Sedmt	7.7	mg/kg-dr
Ba Mud	Dry Wgt	1184	mg/kg-Ba
B MUD	Dry Wgt	NAR	mg/kg-B
Cadmium	Cd-Sedmt	15.4	mg/kg-dr
Chromium	Cr-Sedmt	55	mg/kg-dr
Copper	Cu-Sedmt	428000	mg/kg-dr
Lead	Pb-Sedmt	28220	mg/kg-dr
Mn Mud	Dry wgt	373	mg/kg-Mn
Nickel	Ni-Sedmt	75.2	mg/kg-dr
Silver	Ag-Sedmt	2.2	mg/kg-dr
Zinc	Zn-Sedmt	5560	mg/kg-dr
AL MUD	DRY WGT	21400	MG/KG-AL
FE MUD	DRY WGT	38700	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Sla Result	Units
Arsenic	As-Total	1U	ug/l
Barium	Ba-Total	660	ug/l
Cadmium	Cd-Total	1U	ug/l
Chromium	Cr-Total	12	ug/l
Copper	Cu-Total	310	ug/l
Lead	Pb-Total	26	ug/l
Nickel	Ni-Total	1U	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	14	ug/l

PCB Scan Parameter		Sediment Result	Units
PCB-1260	(Arochlor 1260	11000	ug/kg
PCB-1254	(Arochlor 1254	200U	ug/kg
PCB-1221	(Arochlor 1221	200U	ug/kg
PCB-1232	(Arochlor 1232	200U	ug/kg
PCB-1248	(Arochlor 1248	4400	ug/kg
PCB-1016	(Arochlor 1016	200U	ug/kg
PCB-1242	(Arochlor 1242	200U	ug/kg

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DRT Account: AFEB3A

Sample No: 85 500502 Begin Sample Date: 85/12/10 13:15 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: ASH ALONG RAIL OF WASH DOWN TANK

Comment: HANDCARRIED 1/2 SAMPLE TO J.OSBORNE FOR DRT

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	18250	MG/KG-CA
MG MUD	DRY WGT	10420	MG/KG-MG
NA MUD	DRY WGT	473	MG/KG-NA
K MUD	DRY WGT	415	MG/KG-K
Arsenic	As-Sedmt	8.1	mg/kg-dr
Ba Mud	Dry wgt	1921	mg/kg-Ba
B MUD	Dry wgt	NAK	mg/kg-B
Cadmium	Cd-Sedmt	17.7	mg/kg-dr
Chromium	Cr-Sedmt	110	mg/kg-dr
Copper	Cu-Sedmt	155800	mg/kg-dr
Lead	Pb-Sedmt	18640	mg/kg-dr
Mn Mud	Dry wgt	286	mg/kg-Mn
Nickel	Ni-Sedmt	75.4	mg/kg-dr
Silver	Ag-Sedmt	0.41	mg/kg-dr
Zinc	Zn-Sedmt	22200	mg/kg-dr
AL MUD	DRY WGT	29460	MG/KG-AL
FE MUD	DRY WGT	22280	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Std Result	Units
Arsenic	As-Total	10	ug/l
Barium	Ba-Total	430	ug/l
Cadmium	Cd-Total	81	ug/l
Chromium	Cr-Total	50	ug/l
Copper	Cu-Total	1050	ug/l
Lead	Pb-Total	580	ug/l
Nickel	Ni-Total	87	ug/l
Silver	Ag-Total	0.10	ug/l
Zinc	Zn-Total	29900	ug/l

Poly Arom Hydrocrbn Parameter	Sediment Result	Units
Pyrene, Benzo[a]-	100U	ug/kg-dr
Anthracene, Dibenzo[a,h	1000U	ug/kg-dr
Anthracene, Benzo[a]-	100U	ug/kg-dr
Acenaphthene	10000U	ug/kg-dr
Phenanthrene	- 400	ug/kg-dr
Fluorene	2000U	ug/kg-dr
Napthalene	7600U	ug/kg-dr
Anthracene	100	ug/kg-dr
Pyrene	700U	ug/kg-dr

Poly Arom Hydrocrbn *** Continued *** Parameter	Sediment Result	Units
Perylene, Benzo[g,h,i]-	1000U	ug/kg-dr
Pyrene, Indeno[1,2,3-c,	200U	ug/kg-dr
Fluoranthene, 3,4-benzo	70U	ug/kg-dr
Fluoranthene	200U	ug/kg-dr
Fluoranthene, benzo[k]-	20U	ug/kg-dr
Acenaphthylene	10000U	ug/kg-dr
Chrysene	200	ug/kg-dr

PCB Scan Parameter	Sediment Result	Units
PCB-1260 (Arochlor 1260	130	ug/kg
PCB-1254 (Arochlor 1254	60U	ug/kg
PCB-1221 (Arochlor 1221	60U	ug/kg
PCB-1232 (Arochlor 1232	60U	ug/kg
PCB-1248 (Arochlor 1248	60U	ug/kg
PCB-1016 (Arochlor 1016	60U	ug/kg
PCB-1242 (Arochlor 1242	60U	ug/kg

(Sample Complete)

Project: TEC-263A SEATTLE IRON AND METALS Officer: DKT Account: AFEB3A

Sample No: 85 500503 Begin Sample Date: 85/12/10 13:30 Source: Soil (Spill/Contamin Depth: QA Code:

Laboratory: RX Description: WASTE OIL TANK VICINITY SOIL AROUND

Metals-Specified Parameter		Sediment Result	Units
CA MUD	DRY WGT	2540	MG/KG-CA
MG MUD	DRY WGT	5640	MG/KG-MG
NA MUD	DRY WGT	959	MG/KG-NA
K MUD	DRY WGT	446	MG/KG-K
Arsenic	As-Sedmt	22.5	mg/kg-dr
Ba Mud	Dry Wgt	462	mg/kg-Ba
B MUD	Dry Wgt	NAR	mg/kg-B
Cadmium	Cd-Sedmt	30.7	mg/kg-dr
Chromium	Cr-Sedmt	0.5U	mg/kg-dr
Copper	Cu-Sedmt	4900	mg/kg-dr
Lead	Pb-Sedmt	3660	mg/kg-dr
Mn Mud	Dry Wgt	451	mg/kg-Mn
Nickel	Ni-Sedmt	74.6	mg/kg-dr
Silver	Ag-Sedmt	0.14	mg/kg-dr
Zinc	Zn-Sedmt	3110	mg/kg-dr
AL MUD	DRY WGT	8880	MG/KG-AL
FE MUD	DRY WGT	60370	MG/KG-FE

Metals - EP Toxicity Parameter		EPT-Sld Result	Units
Arsenic	As-Total	5	ug/l
Barium	Ba-Total	180	ug/l
Cadmium	Cd-Total	28	ug/l
Chromium	Cr-Total	5U	ug/l
Copper	Cu-Total	500	ug/l
Lead	Pb-Total	66	ug/l
Nickel	Ni-Total	30	ug/l
Silver	Ag-Total	0.1U	ug/l
Zinc	Zn-Total	3270	ug/l

PCB Scan Parameter		Sediment Result	Units
PCB-1260	(Arochlor 1260	19000	ug/kg
PCB-1254	(Arochlor 1254	1400U	ug/kg
PCB-1221	(Arochlor 1221	1400U	ug/kg
PCB-1232	(Arochlor 1232	1400U	ug/kg
PCB-1248	(Arochlor 1248	13700	ug/kg
PCB-1016	(Arochlor 1016	1400U	ug/kg
PCB-1242	(Arochlor 1242	1400U	ug/kg

(Sample Complete)