

BR # (63)
2.2
4.0



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August 16, 1984

ATTN: Mr. David Helms

Control No. 1507

Description of Sample: Twenty-four (24) sludge samples received on 8/13/84.

Results:

<u>EP-Toxicity</u>	<u>Composite</u>	<u>Limit</u>
Cadmium, ppm	*0.01	1.0
Chromium, ppm	*0.01	5.0
Barium, ppm	0.94	100.0
Silver, ppm	*0.005	5.0
Lead, ppm	*0.02	5.0
Selenium, ppm	*0.2	1.0
Arsenic, ppm	*0.2	5.0
Mercury, ppm	*0.0002	0.2

Method: Test Methods for Evaluating Solid Wastes, 1982

* Less than

AMERICAN INTERPLEX CORPORATION

By Lydia Morton
Lydia Morton, Lab Director

RECEIVED MAY 15 1985

- Chemistry — Metallurgy — Microbiology
- Member: leading scientific societies

The major elements detected in the EPA Level 1 analysis are shown in Table 7. Other metals and elements were found occasionally in smaller amounts.

TABLE 7. NORTH LITTLE ROCK SUMMARY OF ELEMENTS DETECTED IN STACK EMISSION FILTERS

Element	Emission rate	
	Concentration in gas ($\mu\text{g}/\text{m}^3$)*	Emission factor g/Mg of refuse†
Silicon	3.22	.0505
Iron	261.	4.10
Aluminum	331.	5.20
Sodium	9,363.	147.0
Calcium	894.	14.0
Potassium	381.	5.98
Magnesium	331.	5.20
Lead	4,280.	67.2
Zinc	9,071.	142.
Cadmium	123.	1.93
Beryllium	0.114	.0018
Titanium	.333	.0052
Chromium	1.105	.0173
Copper	62.57	.982
Nickel	1.97	.031
Manganese	8.02	.126
Lithium	2.48	.039
Antimony	13.26	.208
Boron	105.0	1.640
Tin	3.81	.0598
Vanadium	2.26	.0354

* Concentrations based on a composite of six filters from October test period.

† $\text{g}/\text{Mg} \div 500 = \text{lb}/\text{ton}$