

APPENDIX A



US-EPA
 Waste Management Division
 Emergency Response & Removal Branch
 345 Courtland Street, N.E.
 Atlanta, Georgia 30365

404/347-3931 commercial
 404/347-4464 FAX
 257-3931 FTS
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FACSIMILE TRANSMISSION SHEET

Date: 10/14/91 Number of Pages: 8 (including cover sheet)

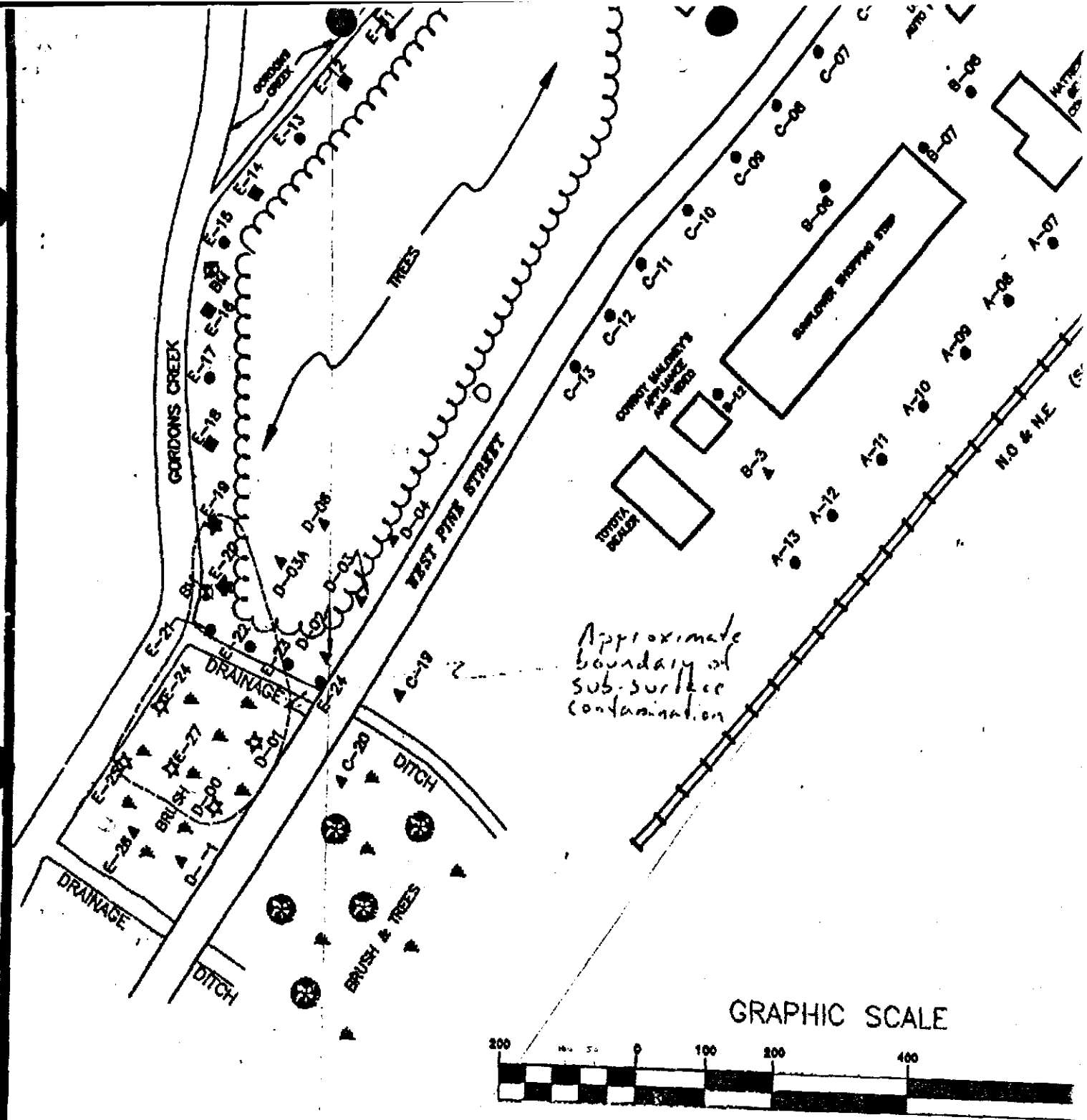
TO: Jim Hardage / Mike Slack Telephone No. _____

Address: _____ FAX No. 601/354-6612

FROM: Don Rigger

SPECIAL INSTRUCTIONS: Call 404/489-7319 w/ any problems or questions

Note: If message is received poorly or other errors are detected, please contact _____ in our office at the above listed telephone numbers (except the 24-hr. No.)... Thank you.



GRAPHIC SCALE



(IN FEET)
1 Inch = 200 ft.

FIGURE 2
SAMPLE LOCATION MAP
GULF STATE CREOSOTE

LEGE

☆	- HOT BOF
●	- SOIL GAS
▲	- SOIL BO
■	- SOIL GAS
⊠	- BENCHM/
- - -	- APPROXIM. ZONE BOI



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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-01-7367

MEMORANDUM

TO: File *WLD*

FROM: Donnissa L. Duvic
TAT, Region IV

THRU: Conley B. Phifer *CBP*
TATI, Region IV

SUBJECT: Gulf State Creosote Analytical Data
TDD# 04-8908-L15-0816
TAT# 04-F-03477

DATE: 7 September 1989

Bonner Analytical Testing Company conducting the requested analysis of base neutrals/acid extractables on two samples from the Gulf State Creosote site. The data was received prior to the requested due date.

A summary of the analytical data may be found on the following page. All results are in ppb.

Stagnant Creek water
w/ creosote liquid
layer on top
"Hot" soil
in creek bed

GULF STATE CREOSOTE ANALYTICAL DATA

	<u>Water</u>	<u>Soil</u>
Naphthalene	57,420	2,830,000
Acenaphthylene	1,570	43,750
Acenaphthene	23,910	783,600
Fluorene	26,740	919,300
Phenanthrene	43,270	2,021,000
Anthracene	11,640	355,300
Fluoranthene	40,620	1,037,000
Pyrene	31,530	861,000
Benzo (a) anthracene	9,800	215,000
Chrysene	8,360	217,400
Benzo (b) fluoranthene	3,880	73,460
Benzo (k) fluoranthene	5,580	142,900
Benzo (a) pyrene	4,660	109,100
Indeno (1,2,3-c,d) pyrene	1,200	9,040
Dibenzo (a,h) anthracene	201J	-
Benzo (g,h,i) perylene	706J	3,370J
Total Polynuclear Aromatics	271,000	9,620,000

J indicates compound was detected below the detection limit, the value given is an estimate

(The above results are in ppb. To convert in ppm, divide by 1000).

cc: Don Rigger
Greg Shaia

TABLE 2. SUMMARY OF SOILS ANALYSIS

GULF STATES CREOSOTE SITE
 HATTIESBURG, MISSISSIPPI
 JANUARY, 1990

Parts per million (ppm)

Compound Name	Sample Location Sample Depth	B0 2.5 0-12 in.	D00 5 ft.	D00 8 ft.	D01 5 ft.	D01 8 ft.	E20 4 ft.
Naphthalene	•		178	354	280	148	4.1J
2-Methylnaphthalene	•		99	197	460	82	3.6J
1-Methylnaphthalene	•		72	104	340	45	•
Biphenyl	•		22J	55	9J	24	•
2,6-Dimethylnaphthalene	•		72	66	53	28	•
Acenaphthylene	•		4.4J	4.2J	2.3J	•	•
Acenaphthone	•		259	156	225	81	14J
Dibenzofuran	•		158	125	114	78	4.7J
Fluorene	•		245	140	219	90	9.4J
Phenanthrene	6.5J		718	325	715	229	26
Anthracene	•		465	210	521	114	69
Carbazole	•		173	96	157	38	15J
Fluoranthene	3J		844	215	763	188	138
Pyrene	1.1J		181	64	266	65	98
Benzo(a)anthracene	1.6J		181	54	259	62	104
Chrysene	2.9J		230	61	318	73	160
Benzo(b)fluoranthene	3.8J		•	78	143	127	248
Benzo(k)fluoranthene	•		231	74	135	121	236
Benzo(e)pyrene	2.5J		83	25	97	52	83
Benzo(a)pyrene	2.5J		125	35	133	55	116
Indeno(1,2,3-cd)pyrene	1.8J		51	15J	54	26	53
Dibenzo(a,h)anthracene	.5J		23	5J	19J	12J	17J
Benzo(g,h,i)perylene	1.5J		41	11J	42	22	42

T>L

4,955

5,327

• - Non-detectable levels.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the lowest linear detection limit of 10.0 ug/ml, but greater than zero and the concentration is given as an approximate value.

TABLE 3. SUMMARY OF SOILS ANALYSIS

GULF STATES CREOSOTE SITE
 HATTIESBURG, MISSISSIPPI
 MARCH, 1990

Parts per million (ppm)

Compound Name	Sample Location Sample Depth	D03A 10 ft. Top of Auger	D03A Bottom of Auger	E19 11 ft.	E24 8 ft.	E25 8 ft.	E27 8 ft.
Naphthalene		0.5J	7.3	2.5	544	48	753
2-Methylnaphthalene		*	.1J	.9	224	26	293
1-Methylnaphthalene		*	.06J	.6	107	26	193
Biphenyl		*	.02J	.3J	55	3.5J	140
2,6-Dimethylnaphthalene		*	*	.4J	71	13	160
Acenaphthylene		*	*	.04J	7.3J	2.4J	20
Acenaphthene		*	.1J	1.5	264	86	213
Dibenzofuran		*	.05J	.7	159	37	125
Fluorene		*	.05J	.9	194	66	129
Phenanthrene		*	.04J	2.7	420	136	425
Anthracene		*	*	1.7	87	41	126
Carbazole		*	.07	.3	48	5.5J	59
Fluoranthene		.1J	.03J	2.9	224	144	288
Pyrene		.2J	.04J	3.4	180	126	296
Benzo(a)anthracene		.07J	*	1.1	52	34	100
Chrysene		.08J	*	1.2	42	37	86
Benzo(b)fluoranthene		*	*	1.0	*	*	86
Benzo(k)fluoranthene		*	*	.4	27J	30	*
Benzo(e)pyrene		*	*	.5	*	9.7J	31
Benzo(a)pyrene		*	*	.6	*	11	42
Indeno(1,2,3-cd)pyrene		*	*	*	*	*	*
Dibenzo(a,h)anthracene		*	*	*	*	*	*
Benzo(g,h,i)perylene		*	*	*	*	*	*

* - Non-detectable levels.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the lowest linear detection limit of 10.0 ug/ml, but greater than zero and the concentration is given as an approximate value.