APPENDIX B

DATA ON AVAILABLE WASTEWATER CAPACITY

This appendix has two sections:

B-1: Discusses available treatment capacity at Centralized Waste Treatment facilities. The information was collected in the 1991 Waste Treatment Industry Questionnaire by the Office of Water and represents 1989 data.

B-2: Wastewater treatment systems data from the 1991 Biennial Reporting System

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Memorandum

OFFICE OF WATER

To: Benjie Carroll (OS-321W)

From: Debra DiCianna
Engineering and Analysis Division (WH-552)

Date: April 30, 1993

Subject: Treatment Capacity Information from Waste Treatment Industry Project

Attached is the information you requested regarding available treatment capacity at Centralized Waste Treatment facilities. This information was collected in the 1991 Waste Treatment Industry Questionnaire by the Office of Water and represents 1989 data. Names and addresses of facilities are also listed.

All of the facilities included have received a final or interim RCRA Permit. None of the information provided pertains to waste which is underground injected. Some facilities did not supply the capacity information requested due to complex operations. Therefore, two totals are presented. One total represents the actual values reported. The second total is scaled-up to included facilities which did not submit data. Below are listed the overall totals:

1989 Reported Capacity Total:	9,669,611,960 gals/year
1989 Scaled-Up Capacity Total:	11,341,084,753 gals/year
(= Reported Capacity Total + 11 x Average Capacity)	

If you wish to obtain any additional information or have any questions, please contact me at (202) 260-7141.

cc: Tudor Davies (WH-551)
Ramona Trovato (WH-550G)
Woody Forsht (WH-552)
Bruce Kobelski (WH-550G)

FACILITY CAPACITY FOR HAZARDOUS WASTE (4/19/93)

NAME	STREET	CITY	STATE	ZIP	MAX. CAPACITY (GAL)	% USED (1989)	AMT. AVAILABLE (GAL)
ALTERNATE ENERGY RESOURCES INC	2936 WALDEN DR	AUGUSTA	GA	30904	1,657,200,000	20.02	1,493,367,560
AMERICAN CHEMICAL & REFINING CO.	36 SHEFFIELD ST.	WATERBURY	CT	06704	2,375,000	79	498,750
AMERICAN WASTE OIL CORP	44141 YOST RD	BELLEVILLE	MI	48111	6,240,000	80	1,248,000
APPROPRIATE TECHNOLOGIES II INC	1700 MAXWELL RD	CHULA VISTA	CA	92011	8,942,500	16	7,332,850
BEAVER OIL CO INC	6057 LENZI AVE	HODGKINS	IL	60525	14,000,000	20	11,200,000
BELPAR ENVIRONMENTAL OF VIRGINIA INC.	7500 HARVEST ROAD	PRINCE GEORGE	VA	23875	390,000	70	117,000
BOEING CO-AUBURN	700 15TH ST SW, MS 56-10	AUBURN	WA	98001	371,935,000	42.43	214,122,960
BRUNSWICK CORP	4300 INDUSTRIAL AVE	LINCOLN	NE	68504	243,992	3	236,672
BRUSH WELLMAN INC	SOUTH PORTAGE RIVER RD	ELMORE	OH	43416	*		
CECOS INTERNATIONAL	P.O. BOX 640 L.P.O.	NIAGARA FALLS	NY	14304	*		
CECOS INTERNATIONAL INC	4679 SPRING GROVE AVE	CINCINNATI	OH	45232	23,400,000	12	20,592,000
CECOS TREATMENT CORP.	51 BRODERICK RD	BRISTOL	CT	06010	62,500,000	6.02	58,737,500
CHEM-CLEAR INC	11600 S STONY ISLAND AVE	CHICAGO	IL	60617	36,000,000	47	19,080,000
CHEM-TECH SYSTEMS	3650 EAST 26TH STREET	LOS ANGELES	CA	90023	*		
CHEMICAL MANAGEMENT INC	340 EASTERN PARKWAY	FARMINGDALE	NY	11735	7,800,000	44	4,368,000
CHEMICAL PROCESSORS INC	734 S. LUCILE ST.	SEATTLE	WA	98108	13,142,000	40.42	7,830,004
CHEMICAL PROCESSORS INC	PIER 91	SEATTLE	WA	98108	*		
CHEMICAL PROCESSORS INC	1701 ALEXANDER AVE.	TACOMA	WA	98421	17,001,200	40.56	10,102,113
CHEMICAL WASTE MANAGEMENT OF NEW JERSEY	100 LISTER AVE.	NEWARK	NJ	07105	52,560,000	23	40,471,200
CHEMICAL WASTE MANAGEMENT OF NEW YORK	1135 BALMER RD.	MODEL CITY	NY	14107	21,024,000	73	5,678,480
CLARK PROCESSING INC.	300 S. WEST END AVE.	DAYTON	OH	45427	6,500,000	86	910,000
CLEAN HARBORS	2900 BROADWAY	CLEVELAND	OH	44115	63,000,000	65	22,050,000
CLEAN HARBORS INC.	1910 RUSSELL ST.	BALTIMORE	MD	21230	44,100,000	12	38,808,000
CONOCO INC PONCA CITY	1000 S. PINE	PONCA CITY	OK	74608	720,000,000	92	57,600,000
CP CHEMICALS	34400 ZWISSIG WAY	UNION CITY	CA	94587	5,808,000	74	1,510,080
CP CHEMICALS INC	ARBOR ST	SEWAREN	NJ	07077	54,000,000	90	5,400,000
CP CHEMICALS INC	HWY 15 SOUTH INDUTR. PK	SUMTER	SC	29150	45,601,920	61	17,784,749
CROSBY & OVERTON INC	1610 W 17TH ST	LONG BEACH	CA	90813	2,340,000	100	0
CROSBY AND OVERTON INC PLANT 2	20245 76TH AVE. S.	KENT	WA	98032	20,752,000	0.5121	20,645,729
CYANOKEM	12361 SCHAEFER HWY	DETROIT	MI	48227	30,865,000	34	20,370,900
DUPONT E I DE NEMOURS, CHAMBER WORKS	ROUTE 130	DEEPWATER	NJ	08023	14,600,000,000	78	3,212,000,000
DYNECOL INC	8520 GEORGIA	DETROIT	MI	48211	36,320,000	49.64	18,290,752
EDWARDS OIL CO	530 S ROUGE	DETROIT	MI	48217	21,600,000	80	4,320,000
ELI LILLY & CO TIPPECANOE LABS	1650 LILY RD.	LAFAYETTE	IN	47902	*		
EMPAK INC. DEER PARK	2759 BATTLEGROUND RD.	DEER PARK	TX	77536	316,411,200	35.01	205,635,639

* Facility did not supply capacity information. Scaled-up total incorporates estimation.

NAME	STREET	CITY	STATE	ZIP	MAX. CAPACITY (GAL)	% USED (1999)	AMT. AVAILABLE (GAL)
ENCYCLE/TEXAS INC.	3500 UP RIVER ROAD	CORPUS CHRISTI	TX	78407	120,500,000	29.55	84,892,250
ENVIRITE CORP	16435 S CENTRAL AVE	HARVEY	IL	60426	10,020,200	66.69	3,516,348
ENVIRITE CORP	2050 CENTRAL AVE S.E	CANTON	OH	44707	63,962,500	43.66	35,908,548
ENVIRITE CORPORATION	198 OLD WATERBURY RD	THOMASTON	CT	06787	53,900,000	29.61	37,551,650
ENVIRITE CORPORATION	1600 PENNSYLVANIA AVE	YORK	PA	17404	30,000,000	79	6,300,000
ENVIRONMENTAL WASTE CONTROL INC	27140 PRINCETON AV	INKSTER	MI	48141	60,000,000	30	42,000,000
ETICAM	2095 E NEWLANDS DR	FERNLEY	NV	89408	750,400	13.81	646,770
ETICAM	25 GRAYSTONE STREET	WARWICK	RI	02886	6,000,000	42	3,480,000
HUH & HP SERVICE	220 CHINA BASIN ST	SAN FRANCISCO	CA	94107	*		
HERITAGE ENVIRONMENTAL SERVICES INC	4132 POMPANO ST	CHARLOTTE	NC	28216	7,500,000	72	2,100,000
INCO ALLOYS INTERNATIONAL INC.	3200 RIVERSIDE DRIVE	HUNTINGTON	WV	25720	*		
INTERCONTINENTAL TERMINALS CO	3943 BATTLEGROUND RD.	DEER PARK	TX	77536	100,000,000	17	83,000,000
JOHN DEERE--COMPONENT WORKS	400 WESTFIELD AVE	WATERLOO	IA	50701	43,212,440	63	15,988,603
MAYTAG CO	N 19TH AVE, E. 8TH ST. N	NEWTON	IA	50208	390,000,000	73	105,300,000
METRO RECOVERY SYSTEMS	2430 ROSE PLACE	ROSEVILLE	MN	55113	15,130,000	50	7,565,000
MILL SERVICE INC.	BULGER SMITH TWP,	BULGER	PA	15019	74,200,258	56.7	32,126,712
MILL SERVICE INC. YUKON PLT.	RD. NO. 1 CEMETARY LANE	YUKON	PA	15698	164,000,000	44	91,840,000
NORRIS INDUSTRIES INC	5215 SO BOYLE AVE.	LOS ANGELES	CA	90058	477,791,120	45.09	262,355,164
NORTH WEST ENVIROSERVICE INC.	1500 AIRPORT WAY S.	SEATTLE	WA	98134	55,640,000	62.24	13,457,864
OIL PROCESS CO	5758 ALBA ST.	LOS ANGELES	CA	90058	1,894,333	80.83	363,144
OSCO INCORPORATED	408 SANTA FE PIKE BOX 1203	COLUMBIA	TN	38402	*		
PEARL HBR NAVY PUBLIC WORKS CTR	NAVAL STATION AREA	PEARL HARBOR	HI	96860	*		
PEORIA DISPOSAL CO--POTTSTOWN	4349 SOUTHPORT RD.	PEORIA	IL	61604	50,000,000	46.75	25,625,000
PETROLEUM RECLAIMING SERVICE INC.	3003 TAYLOR WAY	TACOMA	WA	98421	15,750,000	11	14,017,500
PRATT & WHITNEY AIRCRAFT GROUP MD & CPD	400 MAIN ST	EAST HARTFORD	CT	06108	1,760,666,673	25.45	1,312,576,496
REMTECH ENVIRONMENTAL GROUP	1600 CARMAN ST.	CAMDEN	NJ	08105	*		
ROMIC CHEM CORP	2081 BAY RD	E PALO ALTO	CA	94303	4,963,377	59	2,043,166
SLOSS INDUSTRIES CORPORATION	3500 35TH AVE N.	BIRMINGHAM	AL	35207	546,000,000	33	367,160,000
SOLVENT SERVICE CO INC	1021 BERRYESSA RD	SAN JOSE	CA	95133	*		
SOUTHERN CALIFORNIA CHEMICAL CO INC	9651 DICE RD.	SANTA FE SPRINGS	CA	90670	21,350,000	59.77	8,589,105
TEKTRONIX INC.	13700 SW KARL BRAUN DR.	BEAVERTON	OR	97077	407,766,113	13.27	353,674,531
TN EASTMAN DIV EASTMAN KODAK	EASTMAN RD	KINGSPORT	TN	37662	8,710,227	88	1,045,227
TREATMENT ONE, DIV. OF SET ENVIRONMENTAL INC	5738 CHESWOOD	HOUSTON	TX	77087	2,000,000	2	1,960,000
TRICOL ENVIRONMENTAL SERVICES INC	1640 ANTIOCH PIKE	NASHVILLE	TN	37013	89,712,000	9	81,637,920
UNION CARBIDE AGR PROD CO INC	RTE. 25	INSTITUTE	WV	25112	2,102,000,000	57	903,860,000

* Facility did not supply capacity information. Scaled-up total incorporates estimation.

FACILITY CAPACITY FOR HAZARDOUS WASTE (4/19/93)

NAME	STREET	CITY	STATE	ZIP	MAX. CAPACITY (GAL)	% USED (1989)	AMT. AVAILABLE (GAL)
UNITED OIL RECOVERY INC.	136 GRACEY AVE.	MERIDEN	CT	06450	13,140,000	50	6,570,000
US POLLUTION CONTROL INC	5 MI. E. US 281 & 1 MI. N. OK. 15	WAYNOKA	OK	73860	6,000,000	50	3,000,000
ENVIRONMENTAL WASTE RESOURCES, INC.	130 FREIGHT ST	WATERBURY	CT	06702	38,535,660	78	8,477,869
HERITAGE ENVIRONMENTAL SERVICES INC	7001 W MORRIS	INDIANAPOLIS	IN	46231	299,290,000	30.02	209,443,142
RESEARCH OIL CO	2655 TRANSPORT RD	CLEVELAND	OH	44115	86,300,000	49	44,013,000
WASTE CONVERSION INC	2689 SANDSTONE DR	HATFIELD	PA	19440	85,865,567	60	7,197,117
					TOTAL		9,609,811,980
					AVERAGE VALUES:		
					337,065,354	48	149,224,799
					SCALE-UP TOTALS		11,941,094,793
							(65 to 79)

* Facility did not supply capacity information. Scaled-up total incorporates estimation.

WASTEWATER TREATMENT SYSTEMS DATA FROM THE 1991 BIENNIAL REPORTING SYSTEM

EPA ID NUMBER	A INF QUANTITY GAL FROM BRS DATA	B MAX OPP CAP GAL FROM BRS DATA	C MAX OPP CAP GAL FROM OW SURVEY	D LIQ EFF QUAN GAL FROM BRS DATA	E NEW OPP CAPACITY FROM BRS DATA	F DIFFERENCE IN OPP CAP C-B	G AMOUNT AVAILABLE B-A
CAD050806850	1,106,843	13,250,000	1,894,333	1,082,109	0	-11,355,667	12,143,158
CAD059494310	2,281,976	27,000,000	0	2,280,000	0	-27,000,000	24,718,024
CAT080033681	4,762,512	1,207,824,000	0	4,078,584	0	-1,207,824,000	1,203,061,488
CTD000844399	360,768,560	2,283,660,000	1,760,668,673	414,810,000	0	-522,991,327	1,922,891,440
CTD001184894	574,131	1,370,500	2,375,000	571,370	0	1,004,500	796,369
CTD072138969	11,185,574	28,632,648	38,535,860	9,307,911	0	9,903,212	17,447,074
CTD990672081	60,067,991	777,777,310	1,760,668,673	60,882,904	0	982,891,363	717,709,319
ILD000666206	16,231,493	30,398,036	106,202,000	8,381,001	0	75,803,964	14,166,543
ILD064418353	1,793,987	6,240,000	14,000,000	1,704,941	0	7,760,000	4,446,013
IND006050967	2,772,124,412	50,677,025	0	2,979,115,244	0	-50,677,025	-2,721,447,387
IND093219012	53,475,694	150,804,016	299,290,000	45,735,915	0	148,485,984	97,328,322
MDD980555189	1,662,231	50,360,000	44,100,000	3,925,928	0	-6,260,000	48,697,769
MND981098478	4,597,350	8,417,487	15,130,000	2,783,240	0	6,712,513	3,820,137
NCD121700777	1,901,489	7,008,000	75,000,000	1,711,340	0	67,992,000	5,106,511
NED043534635	6,678,629	53,191,794	243,992	6,669,144	0	-52,947,802	46,513,165
NJD002141950	655,428	4,000,000	54,000,000	198,676	0	50,000,000	3,344,572
NJD002385730	10,347,456,240	14,064,054,720	14,600,000,000	10,522,748,640	0	535,945,280	3,716,598,480
NJD089216790	48,923,122	163,112,860	52,560,000	49,675,058	0	-110,552,860	114,189,738
NVD980895338	641,903	5,057,200	750,400	428,907	0	-4,306,800	4,415,297
NYD000691949	11,222,398	0	7,800,000	11,196,084	0	7,800,000	-11,222,398
NYD080336241	25,079,632	240,920,000	0	24,503,779	240,000	-240,920,000	215,840,368
OHD000724153	29,714,577	75,000,000	63,000,000	37,446,700	0	-12,000,000	45,285,423
OHD004178612	16,642,080	98,160,000	86,300,000	13,286,400	94,500,000	-11,860,000	81,517,920
OHD087433744	0	0	23,400,000	0	1,200,000	23,400,000	0
OKD007233836	570,943,381	354,285,248	720,000,000	557,166,418	0	365,714,752	-216,658,133
ORD009020231	185,493,828	728,763,458	407,788,113	577,768,882	28,902,728	-320,975,345	543,269,630
ORD980725592	39,115,200	76,867,000	407,788,113	38,985,200	0	330,921,113	37,751,800
PAD010154045	17,186,856	27,000,000	30,000,000	12,783,720	66,000,000	3,000,000	9,813,144
PAD059087072	26,770,000	981,120,000	74,200,258	53,472,500	220,544,853	-906,919,742	954,350,000
PAD085690592	1,483,895	434,280	35,985,587	127,569,600	0	35,551,307	-1,049,615
RID980906986	1,416,960	3,961,224	6,000,000	1,733,520	0	2,038,776	2,544,264
TND003376928	7,835,470,800	8,400,000,000	8,710,227	7,835,470,800	0	-8,391,289,773	564,529,200
WAD041337130	282,837,630	366,313,416	37,193,500	282,401,819	0	-329,119,916	83,475,786
WVD004325353	1,743,953,866	2,188,298,888	2,102,000,000	2,537,140,000	0	-86,298,888	444,345,022
WVD076826015	223,468,565	93,013,402	0	217,813,732	0	-93,013,402	-130,455,164
TOTAL	24,707,689,233	32,566,972,513	22,835,584,729	26,444,830,066	411,387,581	-9,731,387,784	7,859,283,279