



February 28, 2002

Bill Kellenberger
Department of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, FL 32501-5794

RMC QA'ed
Initials _____ Date _____

RE: Alternate Management Plan Report, 2001
Superior Special Services, Inc.
342 Marpan Lane
Tallahassee, FL 32311
FL0000207449

Dear Mr. Kellenberger:

This letter is being submitted to provide an accounting of the actions taken by Superior Special Services, Inc. to comply with the Alternate Management Plan for the recovery of mercury thermometers and devices. Please find enclosed the calculations for the actual quantity of mercury contained in the by-products generated at our facility, the analytical results for the testing performed on those by-products, and the calculations documenting the amount of mercury recovered under this program.

This letter will also serve to notify you of our intention to continue to operate the facility in accordance with the alternate management plan.

If you have any questions, please call me at (262) 243-8908.

Sincerely,

SUPERIOR SPECIAL SERVICES, INC.


Phillip Ditter, CHMM
EH&S Manager

Cc: Jeff Kirk

Enc.

RECEIVED
MAR - 5 2002
NORTHWEST FLORIDA
DEP

HOUSEHOLD FEVER THERMOMETER
MERCURY CONTENT DETERMINATION

Weight as received (g)	Weight with case (g)	Weight, w/o case (g)
7.94	7.94	4.91
10.83	10.83	4.74
5.17		5.17
4.97		4.97
11.62	11.62	4.81
9.6	9.6	4.12
10.66	10.66	4.59
8.47	8.47	4.7
11.97	11.97	5.86
4.64		4.64
Average	8.59	10.16
		4.85

Thermometers received from Broward County household waste program

72 pounds gross weight in 4 X 5 gallon pails.

62 pounds net weight of thermometers

62 lb. = 28,123 g

Assuming 8.59 g/thermometer

28,123 g/8.59 g/thermometer = 3,274 thermometers

Assuming 0.6 g mercury/thermometer

3274 thermometers X 0.6 g/thermometer = 1,964 g mercury

Mercury required to satisfy plan for Tampa

57.59 g mercury

Mercury required to satisfy plan for Tallahassee

0.87 g mercury

Total mercury required to satisfy plan

58.46 g mercury

Year	Week	Aluminum	Glass
2001	1	0.53	0.388
	2	0.88	0.313
	3	0.54	3.44
	4	0.61	1.26
	5	0.64	1.16
	6,7,8	1.35	0.526
	9	0.243	1.59
	10	0.824	0.361
	11	0.783	1.09
	12	1.67	0.239
	13	0.085	0.318
	14	0.22	0.46
	15	1.23	0.215
	16	0.175	2.78
	17	3.1	0.116
	18	1.77	0.837
	19	2.13	2.09
	20	0.273	2.34
	21	0.525	3.709
	22	0.597	1.109
	23	0.1697	0.163
	24	0.0595	0.1602
	25	0.1933	0.116
	26	0.233	0.2337
	27	0.048	0.1203

Week	Aluminum	Glass
28	0.349	0.395
29	0.01	0.239
30	1.044	0.305
31	0.134	0.02
32	0.046	0.27
33	1.1	1.2
34	0.772	1.23
35	0.282	0.685
36		0.98
37	1.73	1.54
38	0.425	1.64
39	0.725	1.96
40		0.62
41	0.48	
42	0.48	4.6
43	4.2	1.3
44		0.21
45	0.26	0.11
46	0.58	0.11
47	0.24	0.022
48	0.72	3.2
49	1.5	3
50		
51	0.49	3.3
52	1.1	0.041
Average	0.76	1.01

Glass Generated (lb.) 2691260
 Weight of Mercury (g) 922.65
 Allowable Mercury (g) 1221.83
 Difference (g) -299.18

Aluminum (lb.) 22380
 Weight of Mercury (g) 10.22
 Allowable Mercury (g) 10.16
 Difference (g) 0.05

Total Mercury required to satisfy alternate management program
 Negative number from glass was not included in determining amount required.

0.05 g

RECEIVED
 JUN - 5 2002
 NORTHWEST FLORIDA

STRAIGHT BILL OF LADING

Purchase Order No. _____ No. Nº 967249

ORIGINAL - NOT NEGOTIABLE
SUPERIOR SPECIAL SERVICES, INC.

12-20-01
Date

TO: Consignee
☐ 4972 Woodville Hwy. Tallahassee, FL 32311
FL0000207449
☐ 8503 Sunstate St. Tampa, FL 33634
FL0000369199

FROM: Shipper Broward Co. Planning, Econ
Street 218 SW 1ST Ave
City Ft Lauderdale

Poor Original

I HEREBY CERTIFY THAT THE LAMPS DESCRIBED IN THE BILL OF LADING ARE CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPT. OF TRANSPORTATION.							
HM	Kind of Packaging; Description of Articles Special Marks and Exceptions	No. of Lamps Estimate	Actual	Linear Feet	Container's Weight (Lbs)	Volume (Cu Ft)	Notes
	SHATTERSHIELD						
	COMPACTS						
	COMPACTS W/BALLASTS						
	UNSHAPED						
	CIRCULAR						
	FLUORESCENT						
	INCANDESCENTS						
	BROKEN						
	MERCURY CONTAINING DEVICES						
	BATTERIES WET FILLED W/ACID						
	BATTERIES WET FILLED W/ALKALI						
	NON-POB BALLASTS						
	POB BALLASTS						
	POLYCHLORINATED BIPHENYLS						
RECEIVED BY: <u>[Signature]</u>		DATE: <u>12/20/01</u>					

CUSTOMER SVC: SUPERIOR SPECIAL SERVICES, INC - 8503 SUNSTATE ST, TAMPA, FL 33634 (800) 376-7888
24 HOUR EMERGENCY RESPONSE, SUPERIOR SPECIAL SERVICES, INC. (800) 688-4005

NOTES:	
311 to: 158923 #1	
2-16 5810 P-166935	
OP# <u>198451 #1</u>	SHIPPER <u>X Kay Sommers</u>
OP# <u>109597</u>	DATE <u>12/20/01</u>
OC#	ACCEPTED BY: <u>X</u>
	DRIVERS SIGNATURE <u>[Signature]</u>

MARK WITH AN "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

Poor Original

Superior Special Services

June 6, 2000

FLORIDA POLLUTION PREVENTION
ROUNDTABLE
218 SW 1st Avenue
Ft. Lauderdale, FL 33301

Dear Ms. Kay Gervasi:

Superior Special Services is pleased to provide retorting of your mercury thermometers collected by FPPR and delivered to Superior Special Services at no charge to you.

If we can be of any further help, please feel free to contact us in Tallahassee at 866-877-8299.

Sincerely,

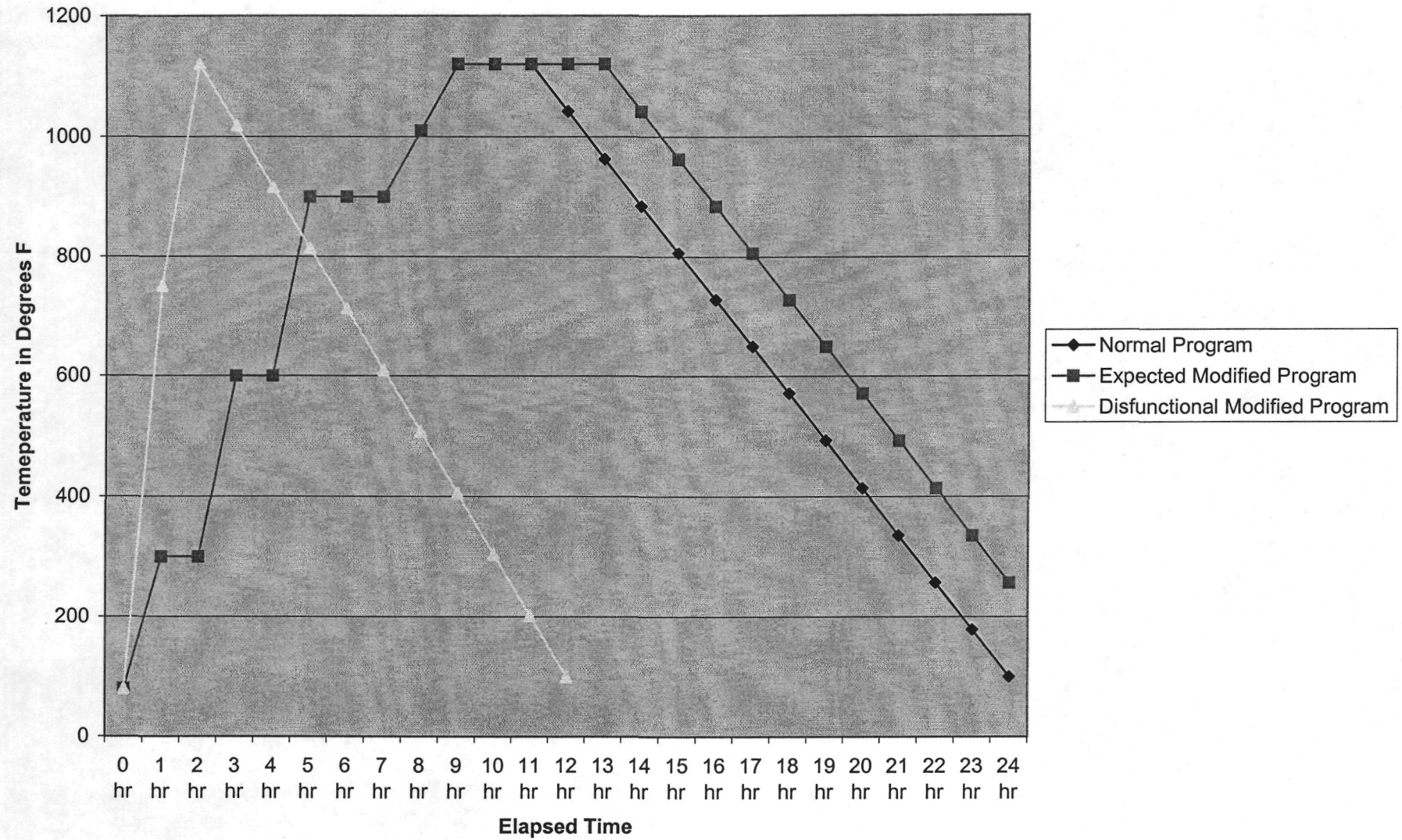
ONYX/SUPERIOR SPECIAL SERVICES


Jeff Kirk
Operations Manager

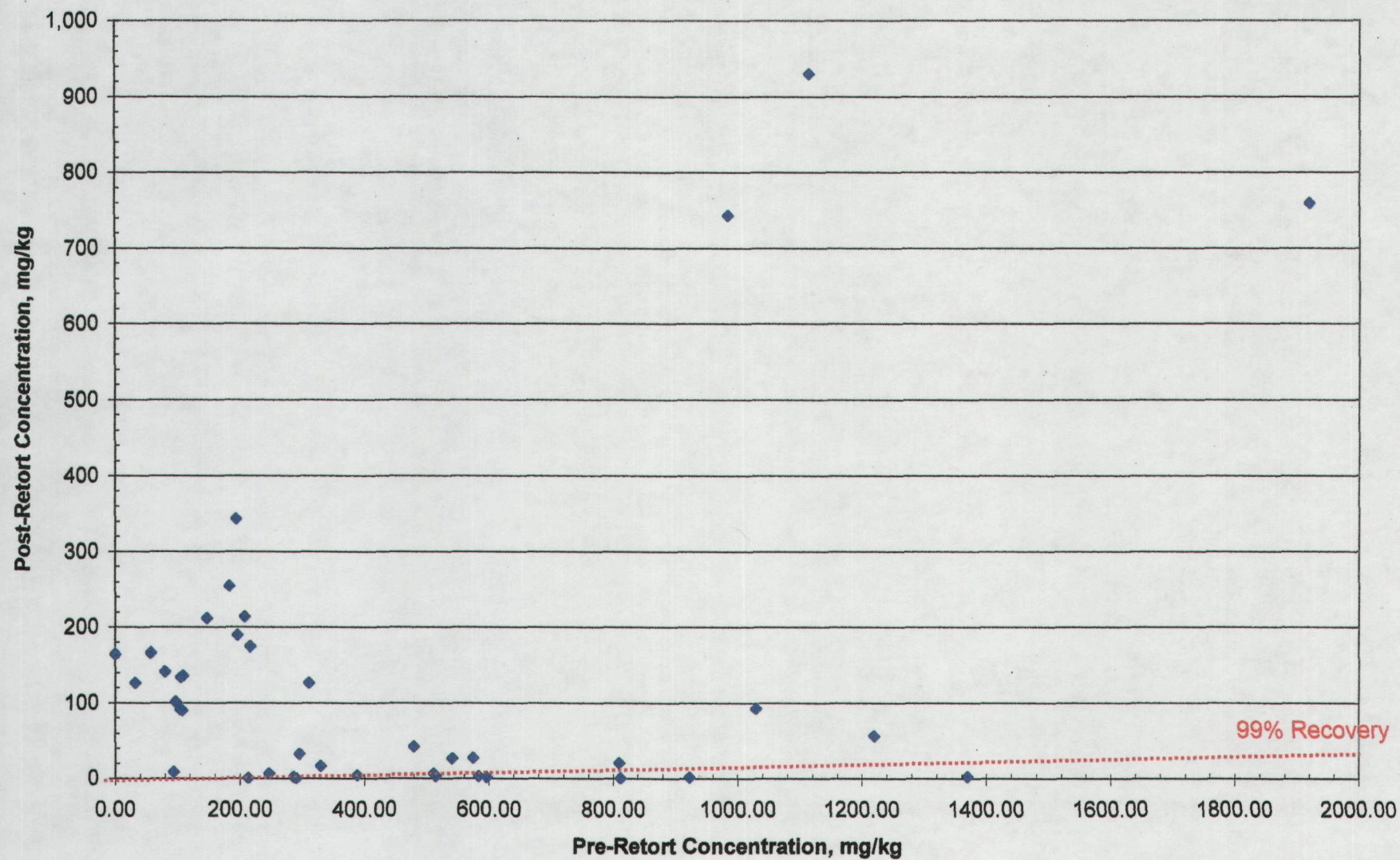
JK/SB

Post-It [®] brand fax transmittal memo 7671		# of pages >
To: Kilisha	From: Kay Sommers	
Superior Spec. Serv.	Co. BC DPEP	
Dept.	Phone 754 519-1257	
850 878 3349	Fax #	

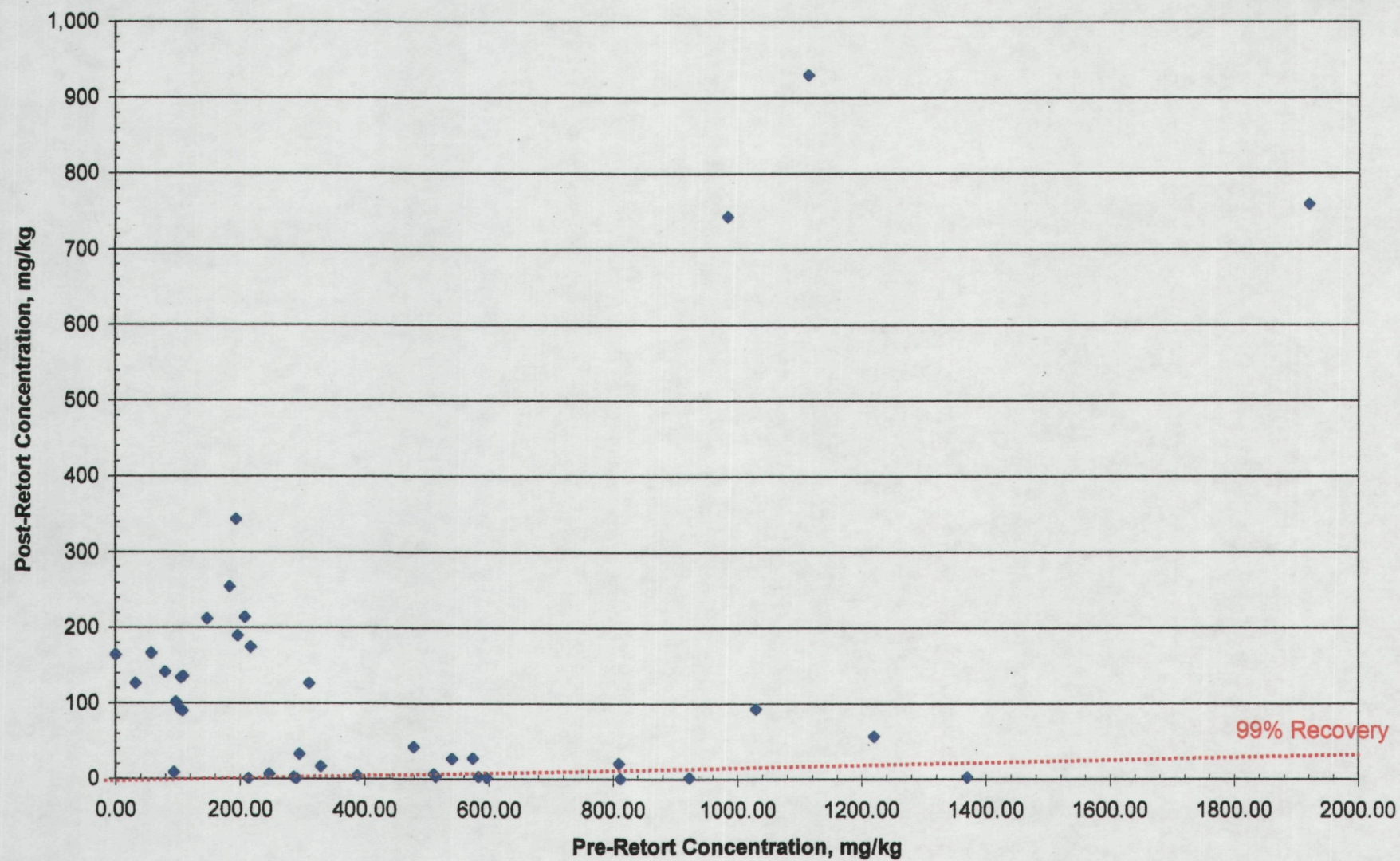
Retort Temperature Curves



Pre-retort VS Post-retort Mercury Concentrations Since Variance



Pre-retort VS Post-retort Mercury Concentrations Since Variance



Pre-retort VS Post-retort Mercury Concentrations Since Variance

