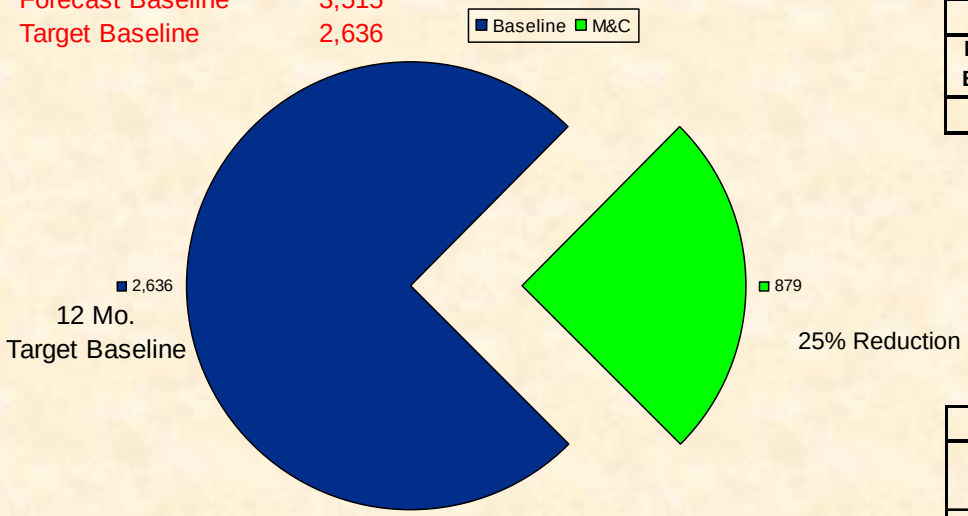
P2 GOAL: Reduce Routine Generation
Of All Solid Waste by 25% in FY04

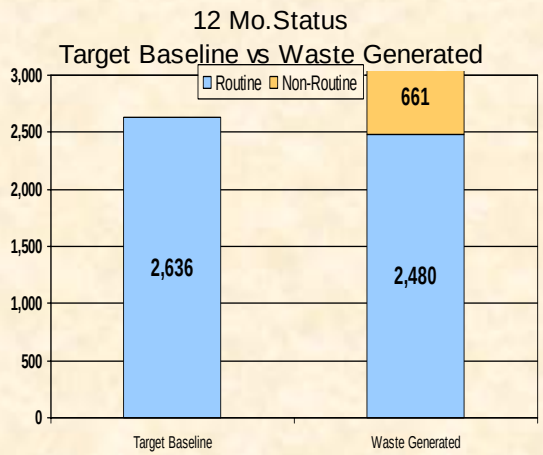
FY04	(kg)
Forecast Baseline	3,515
Target Baseline	2,636

12 Mo. Status	(kg)
Forecast Baseline	3,515
Target Baseline	2,636

HAZARDOUS WASTE
X011 – Metals & Ceramics Division (M&C)
25% Waste Minimization Goal

25% Waste Miminization Goal					
FY04 (kg)			12 Mo. Status (kg)		
Forecast Baseline	25% Reduction	Target Baseline	Forecast Baseline	25% Reduction	Target Baseline
3,515.0	878.8	2,636.3	3,515.0	878.8	2,636.3





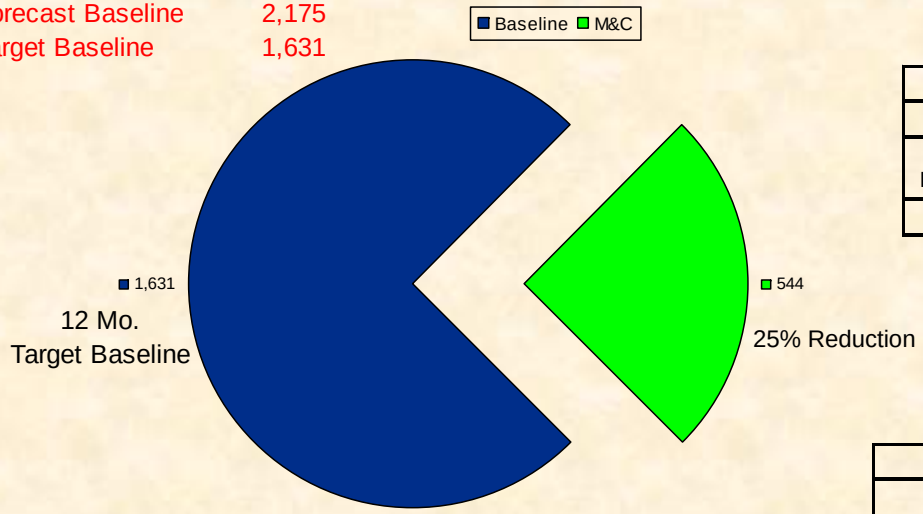
Waste Generated			
Process Category	# Containers	# Items	(kg's) Quantity
Routine			
Process	7	7	926
Research & Development	76	131	1,554
Total Routine	**83**	**138**	**2,480**
Non-Routine			
Excess	1	1	18
Legacy	26	48	634
Spill	1	1	9
Total Non-Routine	**28**	**50**	**661**
Total Hazardous Waste	**111**	**188**	**3,141**

MIXED WASTE
X011 – Metals & Ceramics Division (M&C)
25% Waste Minimization Goal

P2 GOAL: Reduce Routine Generation
Of All Solid Waste by 25% in FY04

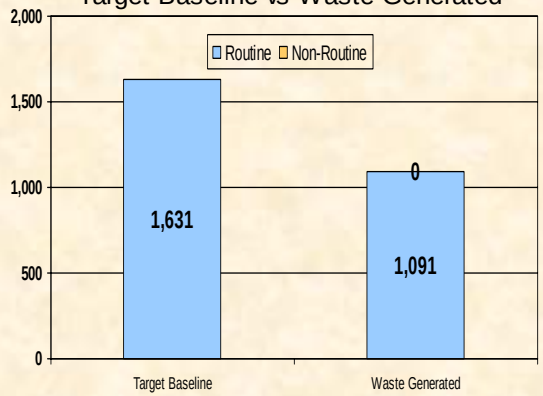
FY04	(kg)
Forecast Baseline	2,175
Target Baseline	1,631

12 Mo. Status	(kg)
Forecast Baseline	2,175
Target Baseline	1,631



25% Waste Miminization Goal					
FY04 (kg)			12 Mo. Status (kg)		
Forecast Baseline	25% Reduction	Target Baseline	Forecast Baseline	25% Reduction	Target Baseline
2,175	544	1,631	2,175	544	1,631

12 Mo.Status
Target Baseline vs Waste Generated



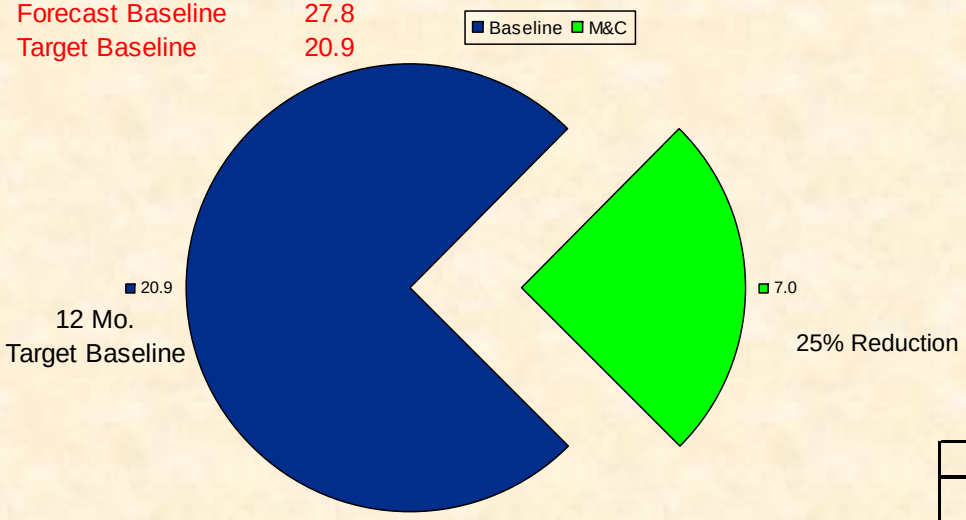
Waste Generated			
Process Category	# Containers	# Items	(kg's) Quantity
Routine			
Maintenance	3	10	295
Research & Development	5	155	796
Total Routine	**8**	**165**	**1,091**
Non-Routine			
Total Non-Routine	**-**	**-**	**-**
Total Mixed Waste	**8**	**165**	**1,091**

LOW-LEVEL WASTE
X011 – Metals & Ceramics Division (M&C)
25% Waste Minimization Goal

P2 GOAL: Reduce Routine Generation
Of All Solid Waste by 25% in FY04

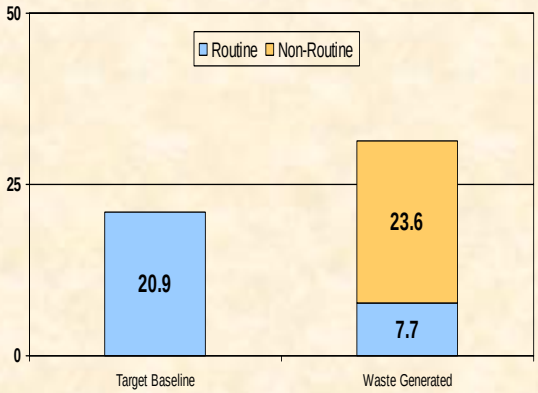
FY04
Forecast Baseline 27.8
Target Baseline 20.9

12 Mo. Status
Forecast Baseline 27.8
Target Baseline 20.9



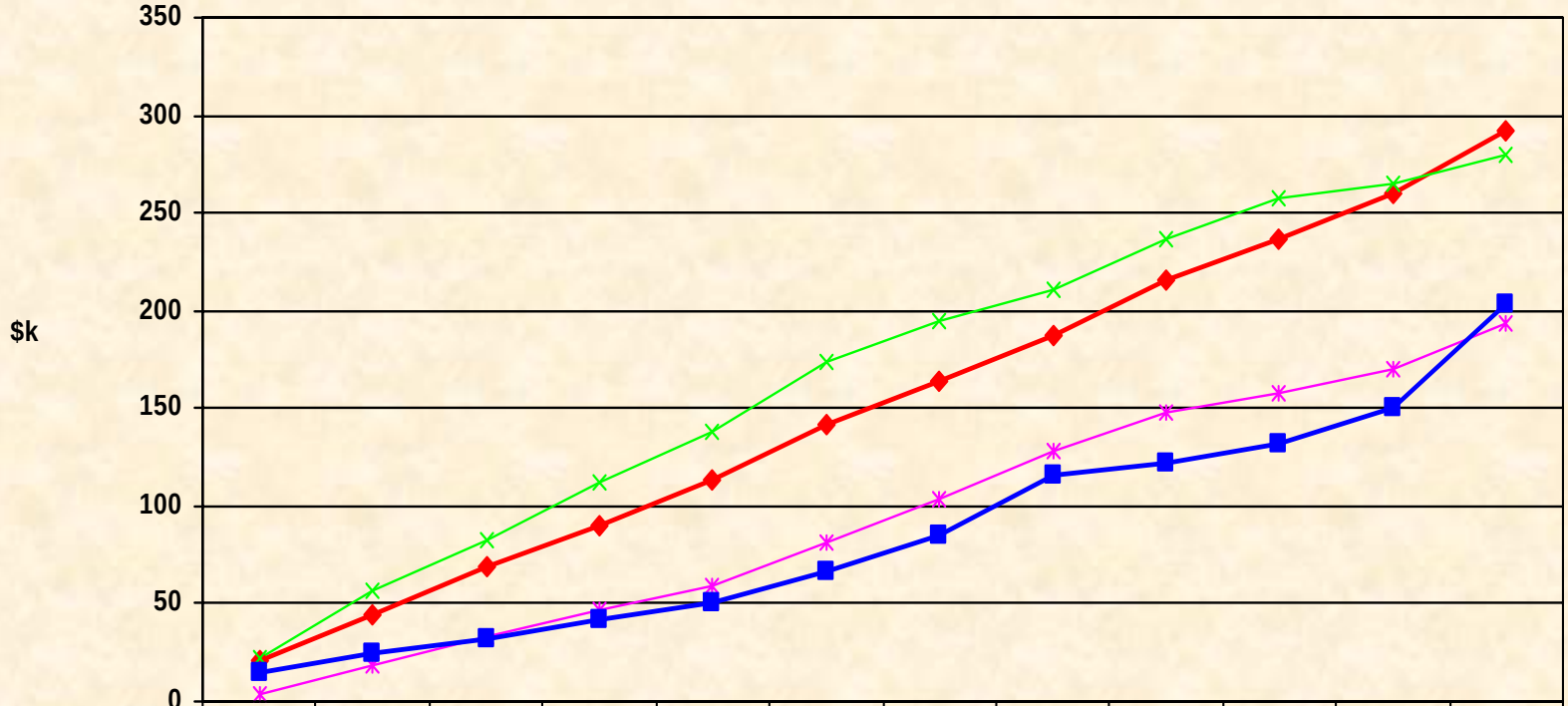
25% Waste Miminization Goal					
FY04 (m³)			12 Mo. Status (m³)		
Forecast Baseline	25% Reduction	Target Baseline	Forecast Baseline	25% Reduction	Target Baseline
27.8	7.0	20.9	27.8	7.0	20.9

12 Mo.Status
Target Baseline vs Waste Generated



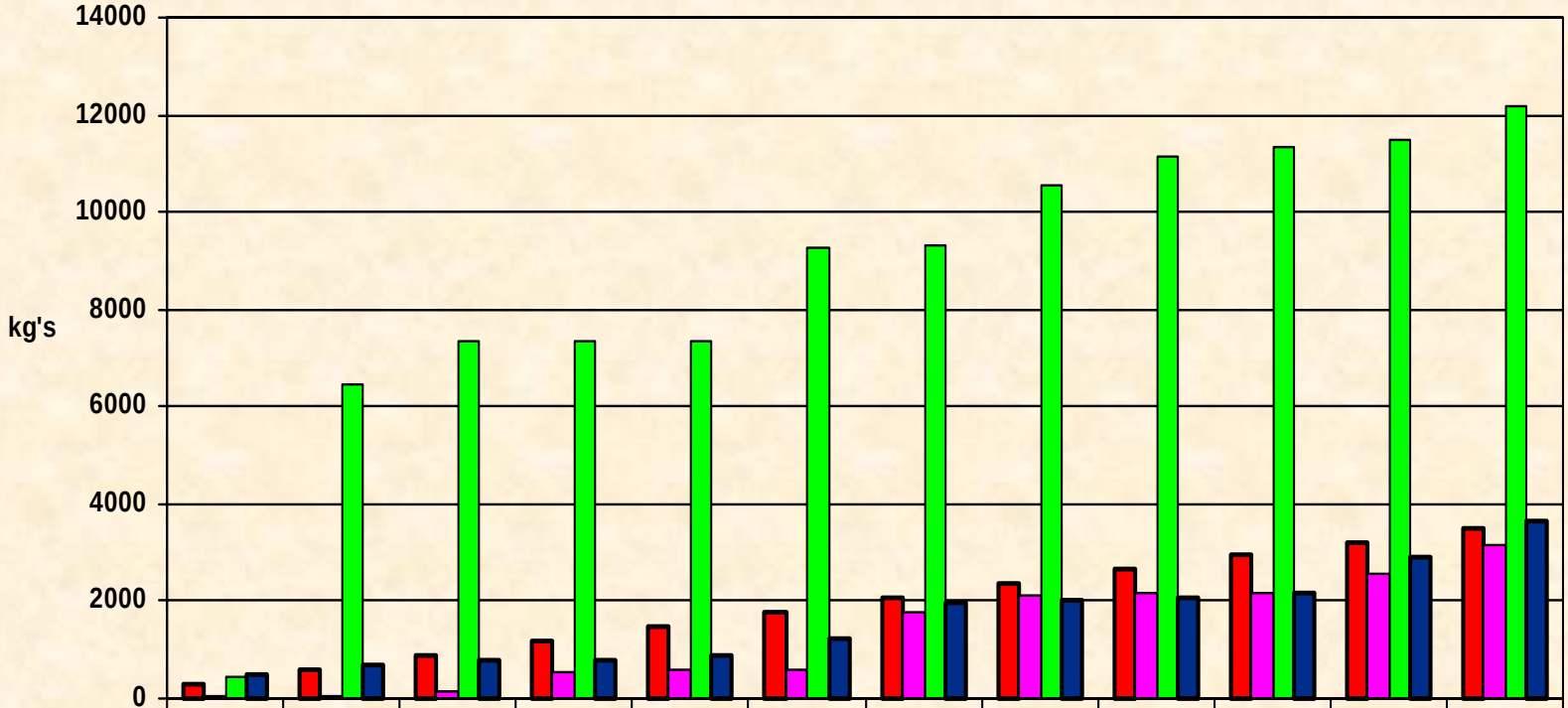
Waste Generated			
Process Category	# Containers	# Items	(M³) Quantity
Routine			
Research & Development	3	79	7.7
Total Routine	**3**	**79**	**7.7**
Non-Routine			
Remediation	9	235	23.4
Unknown	7	7	0.2
Total Non-Routine	**16**	**242**	**23.6**
Total Low Level Waste	**19**	**321**	**31.3**

ORNL Laboratory Waste Services
Charge Back Cost Performance for
X011 - Metals and Ceramics Division (M&C)



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	20.9	44.3	68.8	89.8	113.1	142.2	164.4	187.7	215.7	236.7	259.9	292.6
FY04 Actuals	3.3	18.2	33.2	46.4	59.6	81.6	104.1	128.7	148.4	158.2	169.9	192.9
FY03 Actuals	21.8	56.2	82.4	111.6	137.8	173.2	195	210.7	236.1	257.6	264.5	280.2
FY02 Actuals	14.3	24.3	32.5	42.1	51	66.9	85.3	115.5	122.2	131.7	150.5	203.1

ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Hazardous Waste

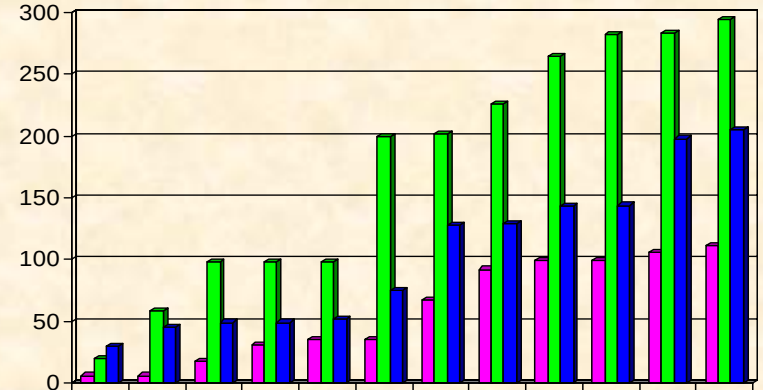


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	292.0	584.0	876.0	1168.0	1460.0	1752.0	2049.0	2346.0	2643.0	2935.0	3227.0	3515.0
FY04 Actuals	51.0	51.0	149.0	539.0	614.0	614.0	1767.0	2126.0	2177.0	2177.0	2578.0	3141.0
FY03 Actuals	424.1	6448.0	7351.3	7351.3	7351.3	9260.9	9302.3	10543.9	11143.9	11353.9	11497.9	12156.9
FY02 Actuals	495.0	670.4	797.2	797.2	894.6	1227.5	1960.1	2016.1	2092.5	2182.3	2925.1	3636.1

NOTE: Actual Waste Generated includes Routine and Non-Routine. FY02, FY03 and FY04 Waste Generated is reported by Division assigning Charge Number (as referenced on 2109). FY02, FY03 and FY04. This change in reporting was made during July and August 2004.

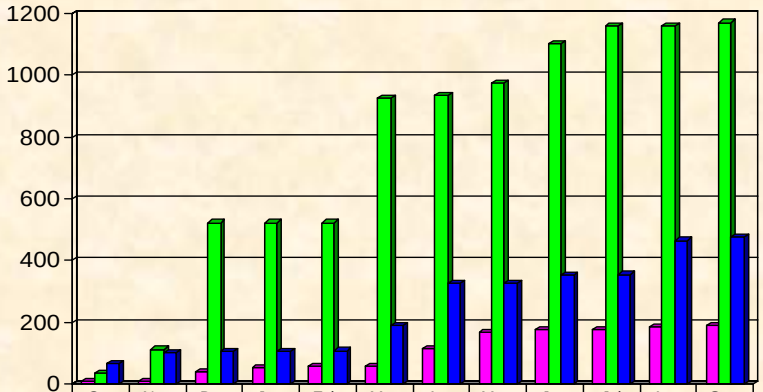
ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Hazardous Waste

Containers Processed



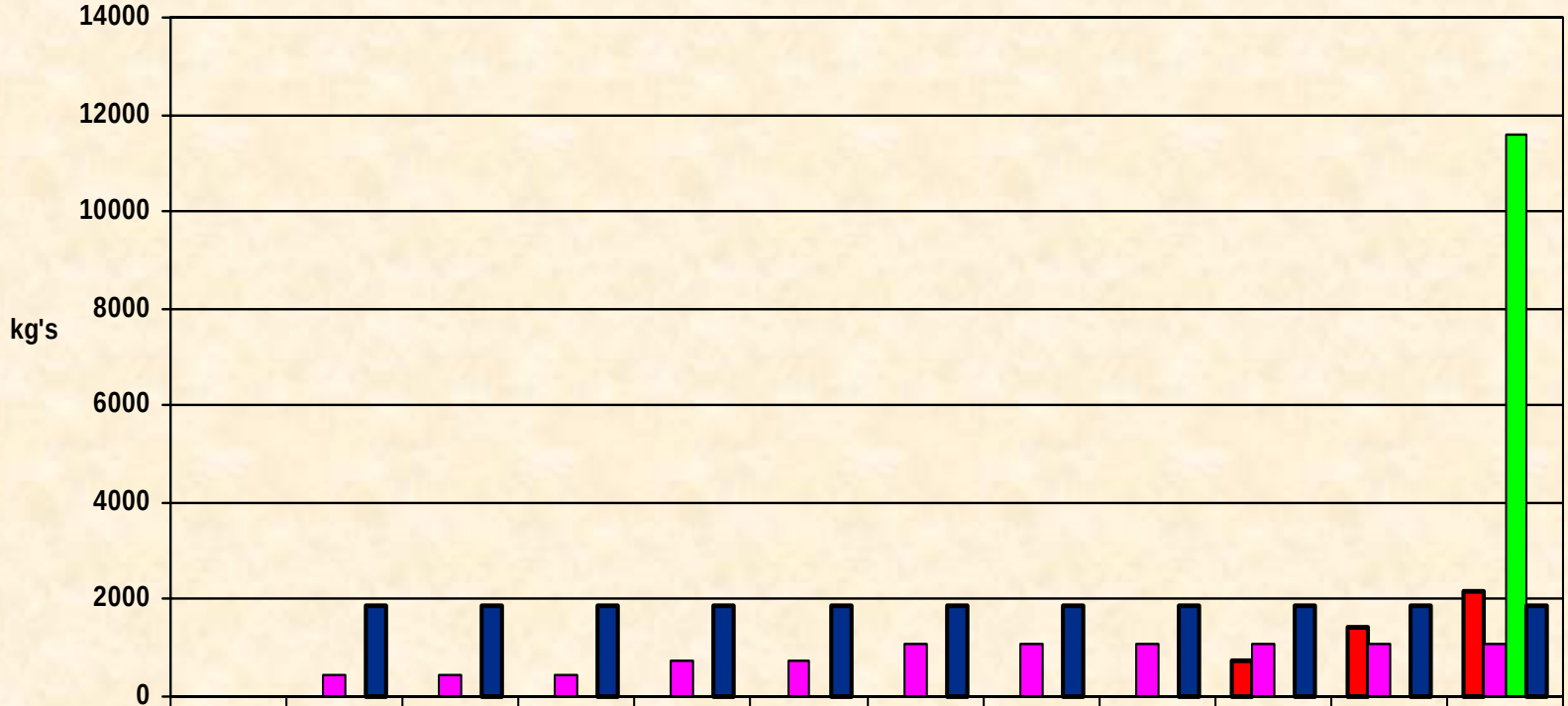
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	6	6	18	31	35	35	67	92	99	99	106	111
FY03	20	58	98	98	98	200	202	226	265	282	284	295
FY02	30	45	49	49	52	75	128	129	143	144	198	205

Items Packed in Containers



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	9	9	39	52	56	56	113	166	176	176	184	188
FY03	34	112	523	523	523	927	934	976	1103	1159	1161	1172
FY02	67	101	105	105	108	190	326	327	354	355	465	475

ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Mixed Waste

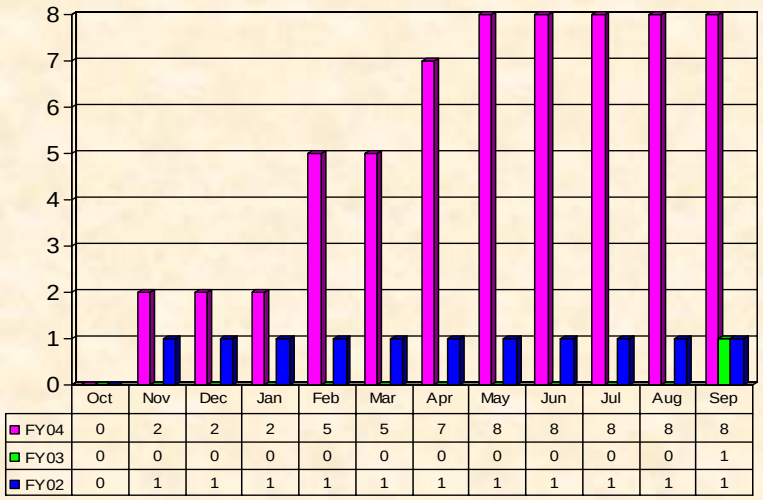


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	725.0	1450.0	2175.0
FY04 Actuals	0.0	462.1	462.1	462.1	756.9	756.9	1065.8	1090.8	1090.8	1090.8	1090.8	1090.8
FY03 Actuals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11590.0
FY02 Actuals	0.0	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6	1891.6

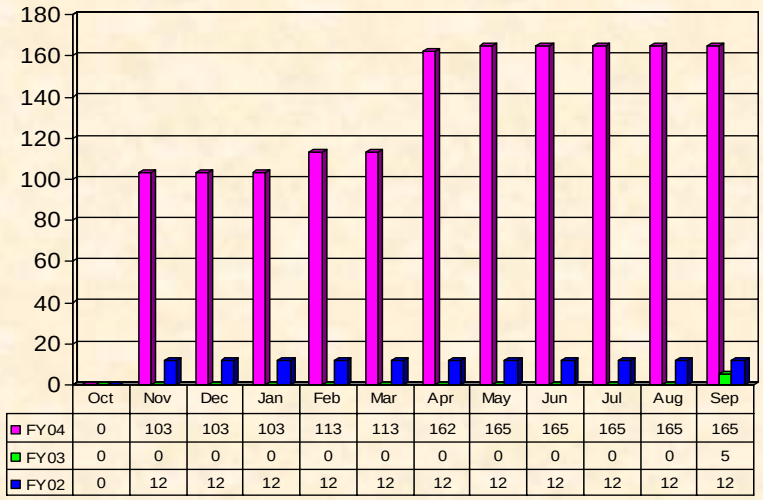
NOTE: Actual Waste Generated includes Routine and Non-Routine. FY02, FY03 and FY04 Waste Generated is reported by Division assigning Charge Number (as referenced on 2109). FY02, FY03 and FY04. This change in reporting was made during July and August 2004.

ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Mixed Waste

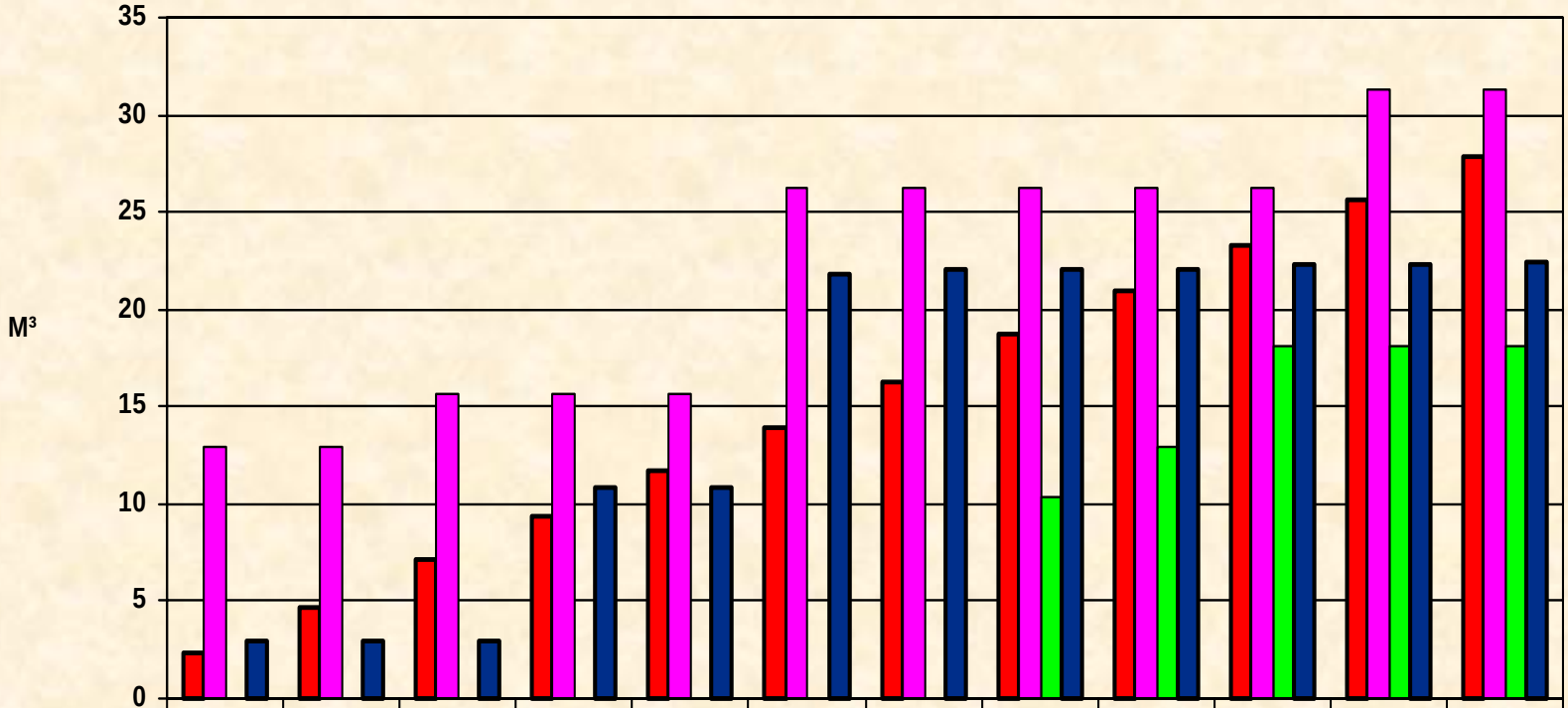
Containers Processed



Items Packed in Containers



ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Low-Level Waste

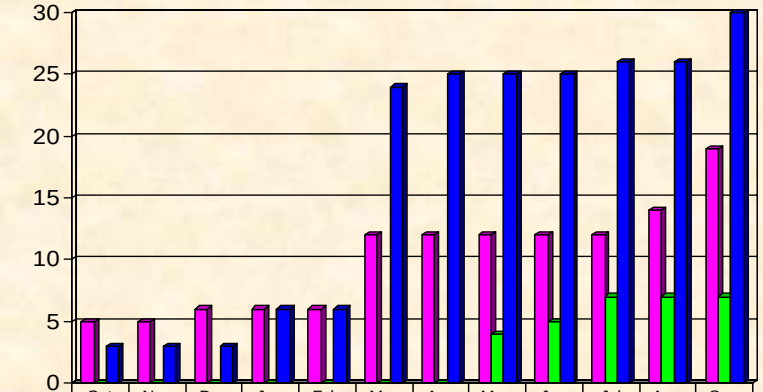


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	2.4	4.7	7.1	9.4	11.7	13.9	16.3	18.7	21	23.3	25.6	27.8
FY04 Actuals	13	13	15.6	15.6	15.6	26.2	26.2	26.2	26.2	26.2	31.3	31.3
FY03 Actuals	0	0	0	0	0	0	0	10.3	12.9	18.1	18.1	18.1
FY02 Actuals	3.0	3.0	3.0	10.8	10.8	21.8	22.1	22.1	22.1	22.3	22.3	22.4

NOTE: Actual Waste Generated includes Routine and Non-Routine. FY02, FY03 and FY04 Waste Generated is reported by Division assigning Charge Number (as referenced on 2109). FY02, FY03 and FY04. This change in reporting was made during July and August 2004.

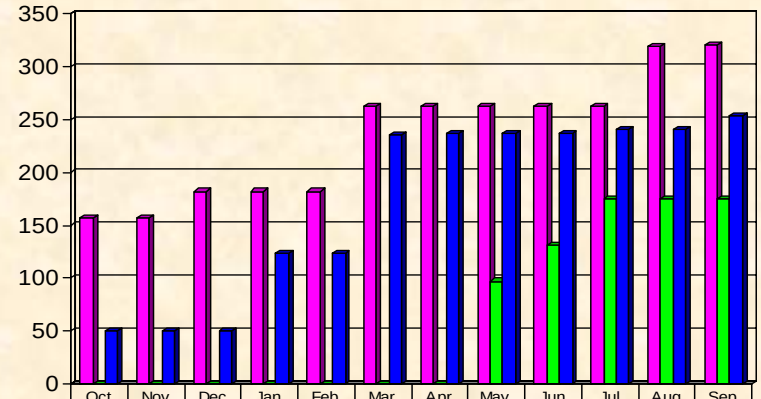
ORNL Laboratory Waste Services
Waste Generated
X011 - Metals and Ceramics Division (M&C)
Low-Level Waste

Containers Processed



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	5	5	6	6	6	12	12	12	12	12	14	19
FY03	0	0	0	0	0	0	0	4	5	7	7	7
FY02	3	3	3	6	6	24	25	25	25	26	26	30

Items Packed in Containers



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	157	157	182	182	182	263	263	263	263	263	319	321
FY03	0	0	0	0	0	0	0	97	131	175	175	175
FY02	50	50	50	124	124	236	237	237	237	241	241	253

Waste Generated Detail Report

Wednesday, October 13, 2004

Records Selected: Division = Division assigned Charge Number on 2109 Form (not Division recorded on 2109 Form)

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X011											
HAZ											
X10C0303366	HW-01-SC	4500S/D55D	J.K. Russell	RND	R	Lab Packed Item; Trichloroethene Used for Degreasing Tubing, See Attached Log Sheet	11.000 kg	4/1/2004	5/20/2004	X011	34712506
X10C0303428	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0303429	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0303430	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0303569	HW-01-SC	4500/R265	J.K. Bain	RND	R	Lab Packed Item;See Attached Log Sheet	12.000 kg	1/7/2004	2/12/2004	X011	GMC001ES
X10C0303226	HW-01-SC	4500S/A259	J.K. Bain	RND	R	Lab Packed Item; Lithium Hydride: See Attached Log Sheet	8.000 kg	2/25/2004	4/15/2004	X011	GMC001ES
X10C0303480	HW-01-SC	4500S/T169	J.K. Bain	RND	R	Lab-Packed Item; See Attaced Log Sheet	32.000 kg	2/25/2004	4/15/2004	X011	347000MM
X10C0303737	HW-01-SC	4500S/T169	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	17.000 kg	2/25/2004	4/15/2004	X011	347000MM
X10C0402140	HW-01-SC	3012/NA	J.K. Russell	RND	R	LabPacked Item; Oakie 160, See Attached LogSheet	162.000 kg	9/13/2004		X011	347000MA
X10C0402141	HW-01-SC	3012/NA	J.K. Russell	RND	R	LabPacked Item; Hexachloroethane; See Attached Log Sheet	130.000 kg	9/13/2004		X011	347000MA
X10C0401310	HW-01-SC	7013/Inside	K.B. Jeskie	RND	R	Unused, Excess <5% 2,2-Azobisisobutryonitrile in >95% Mineral Spirits; Form Code W001; NRA From Non-RMMA-UHC Toluene Corrosivity to Steel Value is an Estimate Based on Chemical Constituents	14.000 kg	8/17/2004	8/18/2004	X060	GMC001ES
X10C0402327	HW-01-SC	7013/Inside	K.B. Jeskie	RND	R	Unused, Excess <5% 2,2-Azobisisobutryonitrile in >95% Mineral Spirits; Form Code W001; NRA From Non-RMMA-UHC Toluene Corrosivity to Steel Value is an Estimate Based on Chemical Constituents	11.000 kg	8/17/2004	8/18/2004	X060	GMC001ES
X10C0400877	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; Aqueous Solution of Iron Chloride, See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303633	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Item; Phosphate Conversion Solution, See Attached Log Sheet, pH Value is an Actual Field Test, No Rad Added, Physical Form Code - W001	3.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303425	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0303635	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Items; Corrosive Liquids, See Attached Log Sheet, pH Value is an Actual Field Test; No Rad Added, Physical Form Code - W001	23.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0402483	HW-01-SC	2525/123	D.V. Johnson	PRO	R	Nitric, Hydrochloric, and Hydrofluoric Acid Mixture	141.000 kg	9/10/2004		X088	34701472

Waste Generated Detail Report

Records Selected: Division = Division assigned Charge Number on 2109 Form (not Division recorded on 2109 Form)

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0303727	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Items; Nickel Alloy Powder, See Attached Log Sheet, No Rad Added, Physical Form Code - W001	5.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303720	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Nickel Powder, See Attached Log Sheet, No Rad Added, Physical Form Code - W001	3.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303721	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Barium/Chromium Suspension in Water, See Attached Log Sheet, pH Value is an Estimate Based on Chemical Constituents, No Rad Added, Physical Form Code - W001	3.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303722	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Vacuum Cleaner Contaminated with Barium Residue, See Attached Log Sheet, No Rad Added, Physical Form Code - W001	11.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303723	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Hazardous Waste, See Attached Log Sheet, No Rad Added, Physical Form Code - W001	4.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303724	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Corrosive Solids, See Attached Log Sheet, No Rad Added, Physical Form Code - W001	3.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303725	HW-01-SC	4500S/B163	J.K. Russell	RND	R	Lab Packed Items; Drierite and Ascarite, See Attached Log Sheet, No Rad Added	5.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303653	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; Non-DOT Regulated, See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303654	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; M-Prep Neutralizer 5, See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303655	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; RID Ruse II, See Attached LogSheet	9.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303632	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Items, Non DOT Regulated, See Attached Log Sheet, No Rad Added	8.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0303116	HW-01-SC	4508/247	J.K. Bain	RND	R	Lead and Barium Contaminated paper, plastic, ppe, certSee Attached Log Sheet, No Rad Added, Physical Form Code = W001	38.000 kg	12/2/2003	1/15/2004	X011	34700483
X10C0303367	HW-01-SC	4500S/D55D	J.K. Russell	RND	R	Lab Packed Item; Freon II3, See Attached Log Sheet	12.000 kg	4/1/2004	5/20/2004	X011	34712506
X10C0202652	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Item Toner Premix, See Attached Log Sheet	11.000 kg	10/17/2003	12/11/2003	X011	GMC001ES
X10C0202650	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Items; See Attached Log Sheets	18.000 kg	10/17/2003	12/11/2003	X011	GMC001ES
X10C0202648	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Items; See Attached Log Sheets	3.000 kg	10/17/2003	12/11/2003	X011	GMC001ES
X10C0202649	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Item Flux; See Attached Log Sheet	2.000 kg	10/17/2003	12/11/2003	X011	GMC001ES
X10C0300499	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Items; See Attached Log Sheets	8.000 kg	10/17/2003	12/11/2003	X011	GMC001ES

Waste Generated Detail Report

Records Selected: Division = Division assigned Charge Number on 2109 Form (not Division recorded on 2109 Form)

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0300498	HW-01-SC	4508/225	J.K. Bain	LEG	NR	Lab Packed Item Metal Powder; See Attached Logsheet	9.000 kg	10/17/2003	12/11/2003	X011	GMC001ES
X10C0300081	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; See Attached CAR	2.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0300082	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; See Attached CAR	3.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0300083	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; See Attached Log Sheet	3.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0300084	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; Thinner for Liquid Paper, See Attached Log Sheet	2.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0300085	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; See Attached Log Sheet	3.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0303427	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0300087	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Item; See Attached Log Sheet	17.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0303426	HW-01-SC	4500S/161	J.K. Bain	RND	R	Lab Packed Item; See Attached Log Sheet	8.000 kg	1/23/2004	2/12/2004	X011	GMC001ES
X10C0300516	HW-01-SC	4508/242	J.K. Bain	RND	R	Lab Packed Items; Mercury Contaminated Items, See Attached Log Sheet	9.000 kg	12/1/2003	1/15/2004	X011	GMC001ES
X10C0300518	HW-01-SC	4508/242	J.K. Bain	RND	R	Lab Packed Items; Methylene Iodide Contaminated Items, See Attached Log Sheet	9.000 kg	12/1/2003	1/15/2004	X011	GMC001ES
X10C0300519	HW-01-SC	4508/242	J.K. Bain	RND	R	Lab Packed Items; Methylene Iodide Contaminated Items, See Attached Log Sheet	8.000 kg	12/1/2003	1/15/2004	X011	GMC001ES
X10C0300520	HW-01-SC	4508/242	J.K. Bain	RND	R	Lab Packed Item; Mercury Waste, See Attached Log Sheet	2.000 kg	12/1/2003	1/15/2004	X011	GMC001ES
X10C0303566	HW-01-SC	7026/Inside	J.K. Bain	LEG	NR	Lab Packed Items;See Attached Log Sheet	117.000 kg	1/7/2004	2/12/2004	X011	GMC001ES
X10C0303567	HW-01-SC	4508/128B	J.K. Bain	RND	R	Lab Packed Item;See Attached Log Sheet	143.000 kg	1/7/2004	2/12/2004	X011	GMC001ES
X10C0303568	HW-01-SC	4500/R265	J.K. Bain	RND	R	Lab Packed Item;See Attached Log Sheet	13.000 kg	1/7/2004	2/12/2004	X011	GMC001ES
X10C0303525	HW-01-SC	2525/123	C.M. Robison	EXC	NR	Nitric Acid Fuminng (See Attached Logsheet).	18.000 kg	2/2/2004	3/11/2004	X088	34701472
X10C0303437	HW-01-SC	4500S/265	J.K. Bain	RND	R	Lab Packed Item, See Attached Log Sheet	9.000 kg	1/27/2004	3/11/2004	X011	34702875
X10C0303438	HW-01-SC	4500S/265	J.K. Bain	RND	R	Lab Packed Item, See Attached Log Sheet	19.000 kg	1/27/2004	3/11/2004	X011	34702875
X10C0303418	HW-01-SC	4500S/259	J.K. Bain	RND	R	Lab Packed Items, See Attached Log Sheet	29.000 kg	1/27/2004	3/11/2004	X011	GMC001ES
X10C0303726	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Items; Sodium Nitrate/Sodium Nitrite/Sodium Hydroxide, See Attached Log Sheet, pH Value is an Actual Field Test; No Rad Added, Physical Form Code - W001	46.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0300086	HW-01-SC	4500S/A161	J.K. Bain	RND	R	LabPacked Items; See Attached Log Sheet	2.000 kg	12/1/2003	1/15/2004	X011	347000MM
X10C0400733	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Items, Non-DOT Regulated. See Attached Log Sheet	2.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0400726	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Items; Butyl Cellosolve, See Attached Log Sheets	3.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0303731	HW-01-SC	4500S/R169	J.K. Russell	RND	R	Lab Packed Items; Non Regulated, See Attached Log Sheets; No Rad Added	3.000 kg	5/11/2004	6/17/2004	X011	347000MM

Waste Generated Detail Report

Records Selected: Division = Division assigned Charge Number on 2109 Form (not Division recorded on 2109 Form)

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0303730	HW-01-SC	4500S/R169	J.K. Russell	RND	R	Lab Packed Items; Corrosive Liquids, See Attached Log Sheets, Corrosivity to Steel Value is an Estimate Based on the Chemical Constituents; No Rad Added, Physical Form Code - W001	11.000 kg	5/11/2004	6/17/2004	X011	347000MM
X10C0303719	HW-01-SC	4500S/T38	J.K. Russell	RND	R	Lab Packed Items; Aluminum Powder Under Mineral Oil, See Attached Log Sheet, No Rac Added, RCRA Physical Form Code - W001	3.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0303718	HW-01-SC	4500S/T38	J.K. Russell	RND	R	Lab Packed Items; Lead Sheets, Rod, See Attached Log Sheet, No Rad Added, RCRA Physical Form Code - W001	4.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0303717	HW-01-SC	4500S/T38	J.K. Russell	RND	R	Lab Packed Items; Mercury Contaminated PPE, See Attached Log Sheet, No Rad Added, RCRA Physical Form Code - W001	4.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0303715	HW-01-SC	4508/224	J.K. Russell	RND	R	Lab Packed Items; Corrosive Liquids, See Attached Log Sheets, pH Value is an Estimate Based on the Chemical Constituents; No Rad Added, Physical Form Code - W001	74.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0400728	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Item; Acetic Acid, Perchloric Acid and Galden; See Attached Log Sheet	3.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0401198	HW-01-SC	4515/L215	J.K. Russell	RND	R	Lab Packed Item; M-Prep Neutralizer 5, See Attached Log Sheet, PH Value is an Estimate Based on Chemical Constituents	2.000 kg	5/26/2004	7/15/2004	X011	34700755
X10C0400732	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Item; Silver Paint, Solidified See Attached Log Sheet	2.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0400731	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Item; Neutralized Phosphoric Acid, See Attached Log Sheet	2.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0303634	HW-01-SC	4500S/B147	J.K. Russell	RND	R	Lab Packed Item; Sodium Hydroxide, See Attached Log Sheet, pH Value Obtained from MSDS; No Rad Added, Physical Form Code - W001	3.000 kg	5/13/2004	6/17/2004	X011	34702694
X10C0400730	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Item; Chromic Acid, See Attached LogSheet	2.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0400902	HW-01-SC	2525/123	D.V. Johnson	PRO	R	Hydrochloric Acid Excess (RECID 00870, EMD, 5/28/03), 30 Gallon Carboy Inside 55 Gallon Drum	146.000 kg	4/23/2004	6/17/2004	X088	34701472
X10C0400727	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab Packed Item; Phosphoric Acid, See Attached Log Sheet	2.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0303716	HW-01-SC	4500S/T38	J.K. Russell	RND	R	Lab Packed Items; Zinc Metal Pieces, See Attached Log Sheet, No Rad Added	3.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0401214	HW-01-SC	4515/L218	J.K. Russell	RND	R	Aqueous Liquids or Solutions.	2.000 kg	6/29/2004	8/12/2004	X011	347000MA
X10C0200301	HW-01-SC	9725/Inside	K.D. Yarborough	RND	R	Used N-Methylpyrrolidone, Combustible Liquid, RECID 06161, EMD Chemicals, Inc., 11/07/01, Net Volume 2.5, NRA	116.000 kg	9/17/2004		X011	GMC001MV

Waste Generated Detail Report

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Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0200223	HW-01-SC	9204-1/246	R.D. Lomax	LEG	NR	Used N-Methylpyrrolidone, Combustible Liquid, RECID 06161, EMD Chemicals, Inc., 11/07/01, Net Volume 2.5, NRA	14.000 kg	9/17/2004		X011	GMC001MV
X10C0402102	HW-01-SC	4508/128B	J.K. Russell	RND	R	Corrosive Liquid; See Attached Log Sheet, pH Value is an Estimate Based on Chemical Constituents; No Rad Added, Physical Form Code - W119	131.000 kg	8/6/2004	9/16/2004	X011	347000MA
X10C0401298	HW-01-SC	4508/139C	J.K. Russell	RND	R	Lab Packed Item; NITEC 5000 Electroless Nickel Plating Solution; See Attached LogSheet	83.000 kg	8/5/2004	9/16/2004	X011	347000MA
X10C0401029	HW-01-SC	2525/Inside	D.V. Johnson	PRO	R	Conduit Contaminated with PCBs and Cadmium in Paint, Meets No Rad Added Requirements, RCRA Physical Form Code W001	11.000 kg	8/3/2004	9/16/2004	X088	34701472
X10C0401028	HW-01-SC	2525/Inside	D.V. Johnson	PRO	R	Bag of Wipes Contaminated with Traces of Nitric Acid (RECID 00275, EM Sci. 3-97) Hydrochloric Acid (RECID 00870, EM Sci. 8-98) Hydrofluoric Acid (RECID 00315, EM Sci. 9-98), and Soda Ash (RECID 00534, EM Sci. 2-00), Meets No Rad Added, PFC W001	14.000 kg	8/3/2004	9/16/2004	X088	34701472
X10C0303714	HW-01-SC	4508/224	J.K. Russell	RND	R	Lab Packed Items; Accrabond Catalyst #17 (Solidified), See Attached Log Sheets; No Rad Added	3.000 kg	5/11/2004	6/17/2004	X011	GMC001ES
X10C0401215	HW-01-SC	4515/L218	J.K. Russell	RND	R	20% Barium Nitrite Aqueous Solution	3.000 kg	6/29/2004	8/12/2004	X011	347000MA
X10C0400729	HW-01-SC	4500S/S165A	J.K. Russell	RND	R	Lab-Packed Item; Methanol, See Attached Log Sheets	3.000 kg	4/6/2004	5/20/2004	X011	GMC001ES
X10C0401213	HW-01-SC	4515/L218	J.K. Russell	RND	R	Aqueous Solutions of Inorganic and Organic Compounds. Solution were prepared Before Use	3.000 kg	6/29/2004	8/12/2004	X011	347000MA
X10C0401216	HW-01-SC	4515/L202	J.K. Russell	RND	R	Aqueous Solution of EDTA Compounds and Several Inorganic Compounds. Solution was prepared before use.	2.000 kg	6/29/2004	8/12/2004	X011	347000MA
X10C0400820	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Lab Packed Item; Sodium Heat Pipes, See Attached Log Sheet.	21.000 kg	6/22/2004	8/12/2004	X011	347000MX
X10C0400819	HW-01-SC	4500S/B54	J.K. Russell	SPL	NR	Lab Packed Item; Contaminated Gloves, Wipes, and Broken Thermometers, See Attached Log Sheet	9.000 kg	6/22/2004	8/12/2004	X011	347000MX
X10C0401270	HW-01-SC	4508/128B	J.K. Russell	RND	R	Lab Packed Item; Mixed Aqueous Acidic Waste, See Attached Log Sheet, pH Value is an Actual Field Test; No Rad Added, Physical Form Code - W001	124.000 kg	5/26/2004	7/15/2004	X011	347000MA
X10C0401199	HW-01-SC	4515/L215	J.K. Russell	RND	R	Lab Packed Items, Flammable Liquids; See Attached Log Sheet. Corrosivity to Steel Value is an Estimate Based on Chemical Constituents.	7.000 kg	5/26/2004	7/15/2004	X011	34700755

Waste Generated Detail Report

Records Selected: Division = Division assigned Charge Number on 2109 Form (not Division recorded on 2109 Form)

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0401027	HW-01-SC	2525/123	D.V. Johnson	PRO	R	Nitric, Hydrochloric, and Hydrofluoric Acid Mixture, No Rad Added, RCRA Physical Form Code W103. Nitric, RECID 00275, EM Science, 3-97; Hydrochloric, RECID 00870, EM Sci. 8-98; Hydrofluoric, RECID 00315, EM Sci. 9-98; Stainless Steel, RECID 89943, Castle,	137.000 kg	8/3/2004	9/16/2004	X088	34701472
X10C0303652	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; M-Prep Conditioner A, See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303650	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; DOW CORNING 4 COMPOUND, See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303649	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; Toxic Liquids, See Attached LogSheet	3.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0303648	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; DOW Corning 4 CATALYST , See Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0401197	HW-01-SC	4515/L215	J.K. Russell	RND	R	Lab Packed Item; M-Prep Conditioner A See Attached Log Sheet	2.000 kg	5/26/2004	7/15/2004	X011	34700755
X10C0401196	HW-01-SC	4515/L215	J.K. Russell	RND	R	Lab Packed Item; Devcon 5 Minute Epoxy Resin and Hardener. See Attached dLog Shee	2.000 kg	5/26/2004	7/15/2004	X011	34700755
X10C0401015	HW-01-SC	4515/L108	J.K. Russell	RND	R	Lab Packed Item; Silicon Tetrachloride, See Attached Log Sheet	11.000 kg	6/22/2004	8/12/2004	X011	347000SP
X10C0303662	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Lab Packed Items; Flammable Liquids, See Attached Log Sheets	8.000 kg	4/28/2004	6/17/2004	X011	GMC001ES
X10C0400499	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Lab Packed Items; Non DOT Regulated, See Attached Log sheet	4.000 kg	4/6/2004	5/20/2004	X011	347000MX
X10C0400595	HW-01-SC	4508/139	J.K. Russell	LEG	NR	Non-DOT Regulated, See Attached Log Shee	83.000 kg	4/28/2004	6/17/2004	X011	347000SM
X10C0303651	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	LabPacked Item; M-Bond Type 10 Curing AgentSee Attached LogSheet	2.000 kg	4/12/2004	5/20/2004	X011	GMC001ES
X10C0300469	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Epicure 3140 Epoxy Curing Agent; Corrosive Liquid, See Attached Log Sheet	3.000 kg	4/6/2004	5/20/2004	X011	347000MX
X10C0400594	HW-01-SC	4508/139	J.K. Russell	LEG	NR	Silicon Powder, Amorphouse Mixture. See Attached LogSheet.	237.000 kg	4/28/2004	6/17/2004	X011	347000SM
X10C0400593	HW-01-SC	4508/139	J.K. Russell	LEG	NR	Unused Carbon Fibers, See Attached LogSheet.	64.000 kg	4/28/2004	6/17/2004	X011	347000SM
X10C0400497	HW-01-SC	4500S/B54	J.K. Russell	RND	R	Lab Packed Item; Leather Gloves, Vacuum Bag Containing Lead Shot, See Attached Log Sheet	3.000 kg	4/6/2004	5/20/2004	X011	347000MX
X10C0400904	HW-01-SC	2525/123	D.V. Johnson	PRO	R	Nitric, Hydrochloric, and Hydrofluoric Acid Mixture.	133.000 kg	4/23/2004	6/17/2004	X088	34701472
X10C0400903	HW-01-SC	2525/123	D.V. Johnson	PRO	R	Phosphoric Acid (RECID 02081, EM Science, 10/23/97)	344.000 kg	4/23/2004	6/17/2004	X088	34701472
X10C0400498	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Lab Packed Items; Non DOT Regulated, See Attached Log sheet	4.000 kg	4/6/2004	5/20/2004	X011	347000MX

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0303365	HW-01-SC	4500S/T26C	J.K. Russell	RND	R	Aqueous Solution Container 3% Sodium Hydroxide and 2.5% Sodium Sulfide, See Attached Log Sheet	54.000 kg	4/6/2004	5/20/2004	X011	34702694
X10C0303661	HW-01-SC	4500S/B54	J.K. Russell	LEG	NR	Lab Packed Item; M-Bond Type 15. See Attached Log Sheet	2.000 kg	4/28/2004	6/17/2004	X011	GMC001ES
					Total	HAZ	3,141.000 kg				

LLW

X10C0103844	L-010	4508/NA	J.K. Bain	REM	NR	PPE	2.605 m3	12/2/2003	4/14/2004	X011	GMC001ES
X10C0402458	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402459	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402464	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402463	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402462	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402461	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0402460	L-015	4500S/NA	J.K. Russell	UNK	NR	PPE, Paper, Plastic, Racoon Feces	0.028 m3	9/20/2004		X011	GMC001ES
X10C0103777	L-020	4508/NA	J.K. Bain	REM	NR	Lab Hood and Associated Ancillary Equipment to Include Cabinet Bases, Hoods - See Attached Container Log Sheet for Further Descriptions.	2.605 m3	10/23/2003	4/14/2004	X011	GMC001ES
X10C0103779	L-020	4508/NA	J.K. Bain	REM	NR	Lab Hood and Associated Ancillary Equipment to Include Hood, Grills - See Attached Container Log Sheet for Further Descriptions.	2.605 m3	10/23/2003	4/14/2004	X011	GMC001ES
X10C0103840	L-020	4508/NA	J.K. Bain	REM	NR	Lab Hood and Associated Ancillary Equipment to Include Spider Metal, Duct, Copper Tubing - See Attached Container Log Sheet for Further Descriptions.	2.605 m3	10/23/2003	4/14/2004	X011	GMC001ES
X10C0103781	L-020	4508/NA	J.K. Bain	REM	NR	Lab Hood and Associated Ancillary Equipment to Include Duct, PVC Pipe. - See Attached Container Log Sheet for Further Descriptions.	2.605 m3	10/23/2003	4/14/2004	X011	GMC001ES
X10C0102784	L-020	4508/NA	J.K. Bain	REM	NR	Lab Hood and Associated Ancillary Equipment to Include Piping, Sheet Metal. Attached Container Log Sheet for Further Descriptions.	2.577 m3	10/23/2003	4/14/2004	X011	GMC001ES
X10C0102641	L-030	4508/NA	J.K. Russell	RND	R	PPE	2.577 m3	3/30/2004	9/14/2004	X011	GMC001ES
X10C0301139	L-030	4508/NA	J.K. Russell	REM	NR	Asbestos Floor Tiles, Lined Furnaces; Asbestos AWA #249423-1	2.577 m3	3/30/2004	9/14/2004	X011	GMC001ES

Waste Generated Detail Report

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Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0301125	L-030	4508/NA	J.K. Russell	REM	NR	Sheet Metal, Side Panel	2.577 m3	3/30/2004	9/14/2004	X011	GMC001ES
X10C0103847	L-030	4508/NA	J.K. Russell	REM	NR	Plywood, Metal Hood Tops, Round Duct-See Attached Container Log Sheets for Additiona Descriptions	2.605 m3	3/30/2004	9/14/2004	X011	GMC001ES
X10C0301140	L-130	4508	J.K. Russell	RND	R	Contaminated PPE	2.577 m3	8/24/2004		X011	GMC001ES
X10C0301138	L-130	4508	J.K. Russell	RND	R	Contaminated PPE	2.577 m3	8/24/2004		X011	GMC001ES
					Total	LLW	31.290 m3				

MIXED

X10C0011698	MW-006	3012/NA	J.K. Bain	MNT	R	Wipes, PPE, Blotter Paper	24.949 kg	2/20/2004	6/11/2004	X011	GMC001ES
X10C0300306	MW-007	4508/NA	J.K. Bain	RND	R	Lead Pig Bases, Lead Pig Lids-See Attached Container Log Sheets for Further Description	230.029 kg	11/17/2003	2/6/2004	X011	GMC001ES
X10C0400508	MW-007	4508/NA	J.K. Russell	RND	R	PB Pigs Tops, See Attached Log Sheets	254.026 kg	4/6/2004	6/22/2004	X011	GMC001ES
X10C0400507	MW-007	4508/NA	J.K. Russell	RND	R	Polipower, Computer Keyboard, See Attached Log Sheet	54.888 kg	4/6/2004	6/22/2004	X011	GMC001ES
X10C0300305	MW-007	4508/NA	J.K. Bain	RND	R	Lead Pig Bases, Lead Pig Lids-See Attached Container Log Sheets for Further Description	232.025 kg	11/17/2003	2/6/2004	X011	GMC001ES
X10C0300091	MW-011	3012/NA	J.K. Bain	MNT	R	Cardboard, Plastic, Cable PPE, Broom	44.001 kg	2/20/2004	6/11/2004	X011	GMC001ES
X10C0010233	MW-011	3012/NA	J.K. Bain	MNT	R	Rollers and Wipes from Mesta Mill	225.901 kg	2/20/2004	6/11/2004	X011	GMC001ES
X10C0400916	MW-017	4508/241	J.K. Russell	RND	R	Used Aqueous/Organic Etch Solution. For Composition information, See Attached Table 1 and Attached Analytical Results (SP299.1).	24.949 kg	5/25/2004	7/20/2004	X011	GMC001ES
					Total	MIXED	1,090.768 kg				