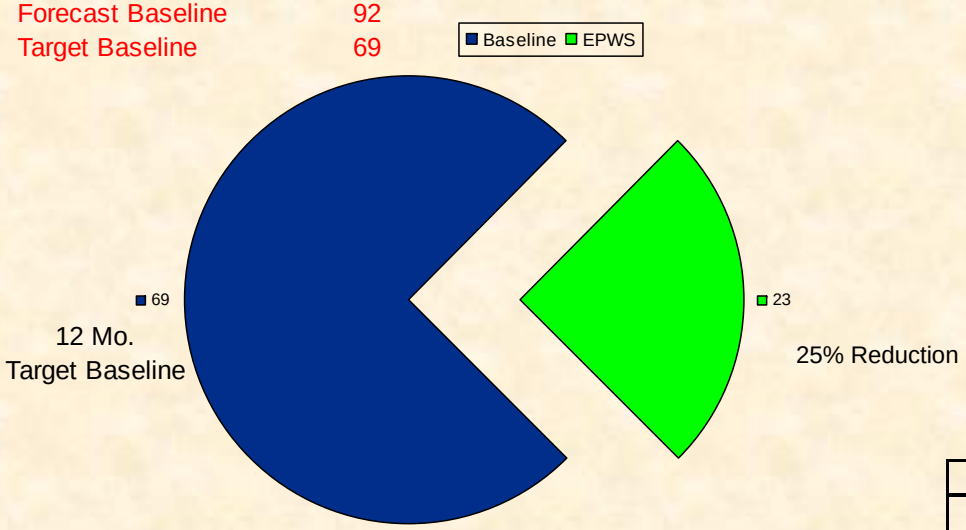
P2 GOAL: Reduce Routine Generation
Of All Solid Waste by 25% in FY04

HAZARDOUS WASTE
X035 – Environmental Protection & Waste Services (EPWS)
25% Waste Minimization Goal

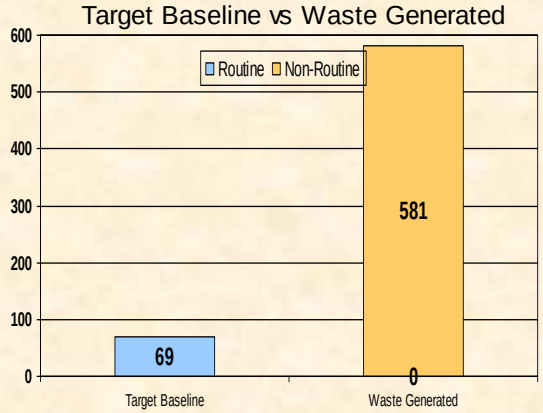
FY04	(kg)
Forecast Baseline	92
Target Baseline	69

12 Mo. Status	(kg)
Forecast Baseline	92
Target Baseline	69



25% Waste Miminization Goal					
FY04 (kg)			12 Mo. Status (kg)		
Forecast Baseline	25% Reduction	Target Baseline	Forecast Baseline	25% Reduction	Target Baseline
92.0	23.0	69.0	92.0	23.0	69.0

12 Mo.Status
Target Baseline vs Waste Generated



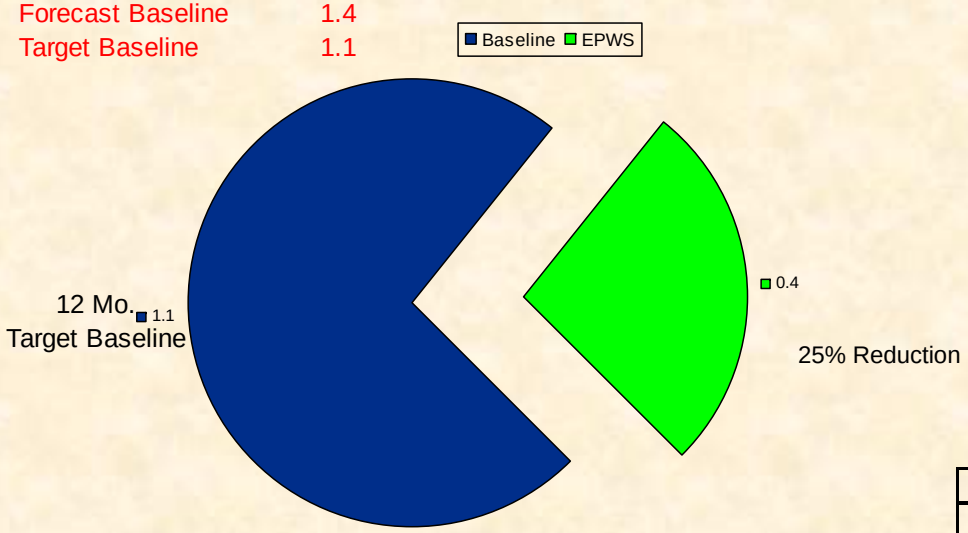
Waste Generated			
Process Category	# Containers	# Items	(kg's) Quantity
Routine			
Total Routine	-	-	-
Non-Routine			
Excess	10	17	28
Legacy	2	6	87
Process	14	44	86
Spill	2	2	380
Total Non-Routine	**28**	**69**	**581**
Total Hazardous Waste	**28**	**69**	**581**

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

LOW-LEVEL WASTE
X035 – Environmental Protection & Waste Services (EPWS)
25% Waste Minimization Goal

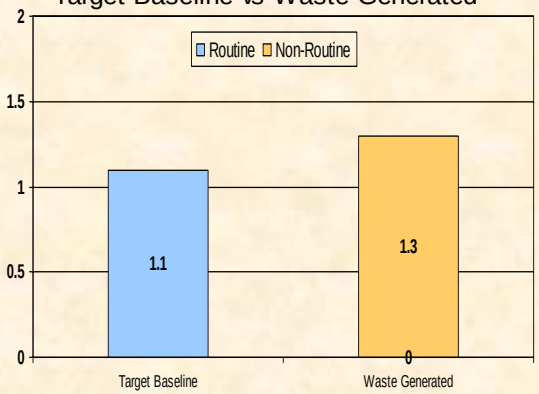
FY04
Forecast Baseline 1.4
Target Baseline 1.1

12 Mo. Status
Forecast Baseline 1.4
Target Baseline 1.1



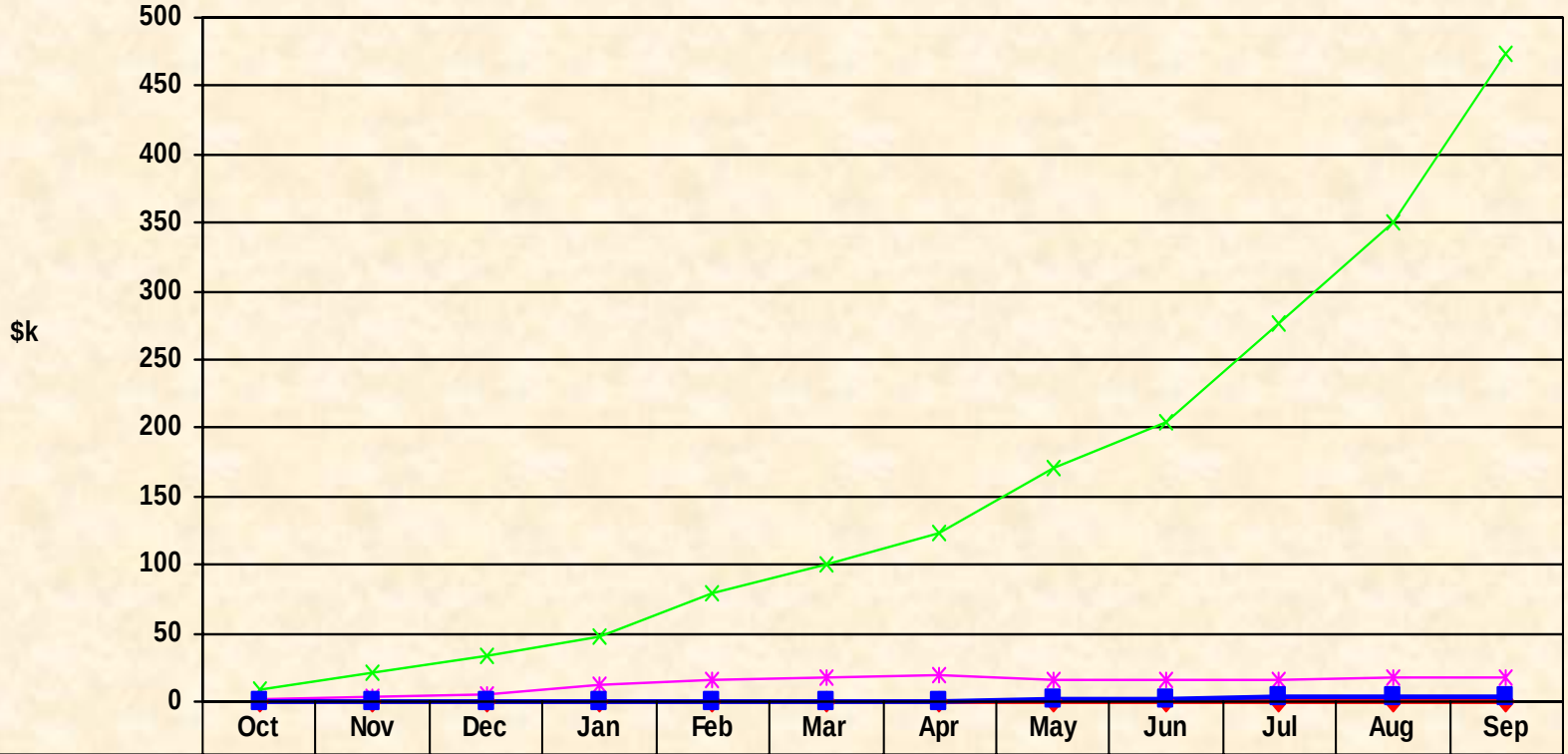
25% Waste Miminization Goal					
FY04 (m³)			12 Mo. Status (m³)		
Forecast Baseline	25% Reduction	Target Baseline	Forecast Baseline	25% Reduction	Target Baseline
1.4	0.4	1.1	1.4	0.4	1.1

12 Mo.Status
Target Baseline vs Waste Generated



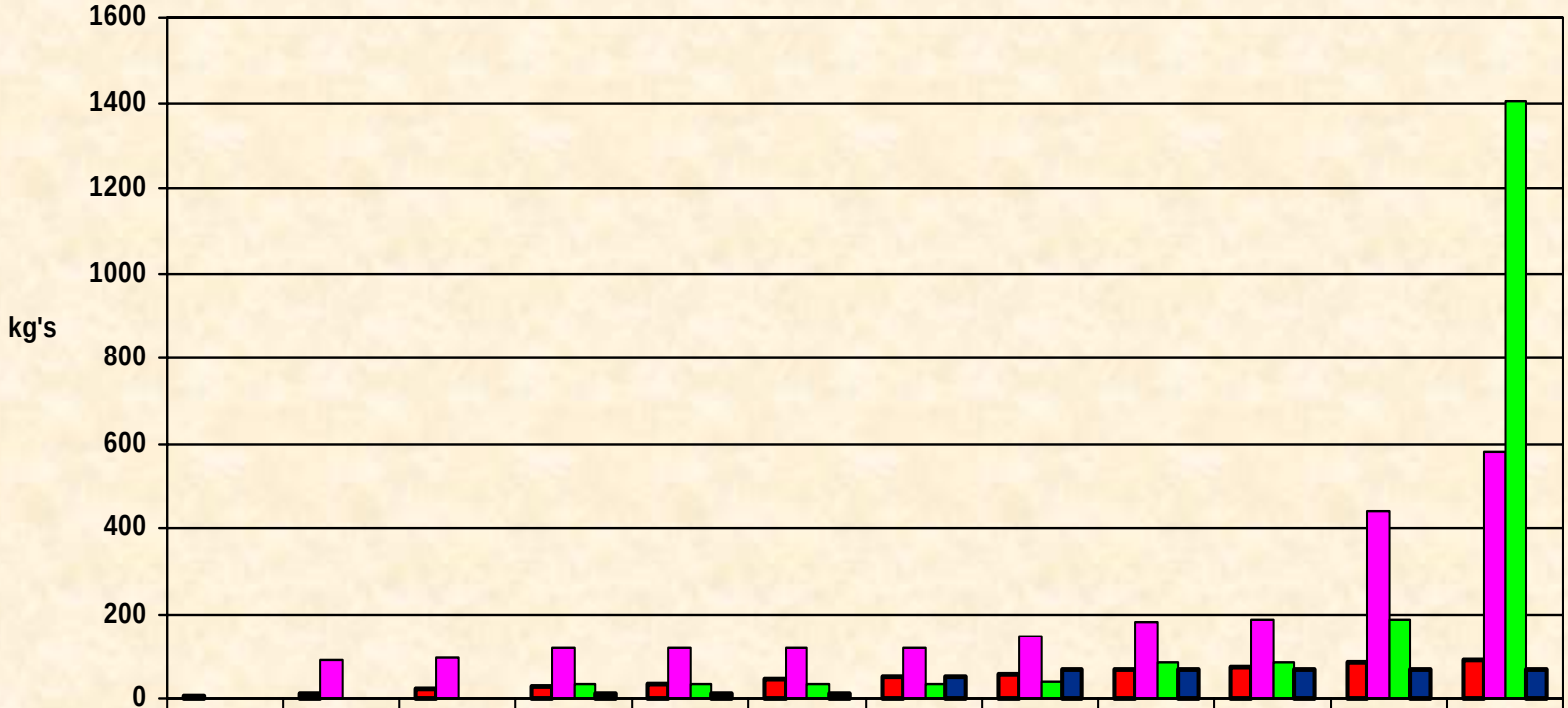
Waste Generated			
Process Category	# Containers	# Items	(M³) Quantity
Routine			
Total Routine	-	-	-
Non-Routine			
Excess	1	1	0.2
Process	2	2	0.4
Spill	3	3	0.6
Total Non-Routine	**6**	**6**	**1.3**
Total Low Level Waste	**6**	**6**	**1.3**

ORNL Laboratory Waste Services
Charge Back Cost Performance for
X035 - Environmental Protection and Waste Services (EPWS)



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6
FY04 Actuals	1.3	2.9	4.9	13.1	15.6	17.6	18.6	16.6	16.6	16.6	17.6	17.6
FY03 Actuals	8.0	21.0	33.0	47.0	79.0	100.0	124.0	170.0	204.0	277.0	351.0	473.0
FY02 Actuals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	3.0	3.0

ORNL Laboratory Waste Services
Waste Generated
X035 - Environmental Protection and Waste Services (EPWS)
Hazardous Waste

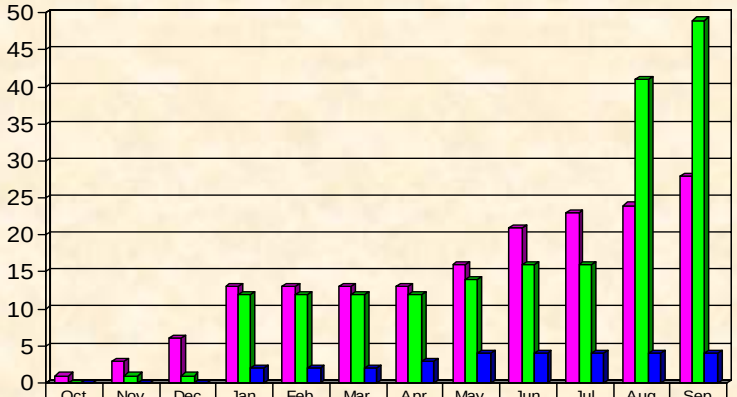


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	6.6	13.9	21.6	28.2	35.6	44.7	51.7	59.0	67.8	74.4	81.7	92.0
FY04 Actuals	2.0	89.0	97.0	117.0	117.0	117.0	117.0	145.0	180.0	185.0	441.0	581.0
FY03 Actuals	0.0	0.5	0.5	33.2	33.2	33.2	33.2	37.2	82.2	82.2	187.2	1405.2
FY02 Actuals	0.0	0.0	0.0	10.7	10.7	10.7	49.5	66.1	66.1	66.1	66.1	66.1

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.

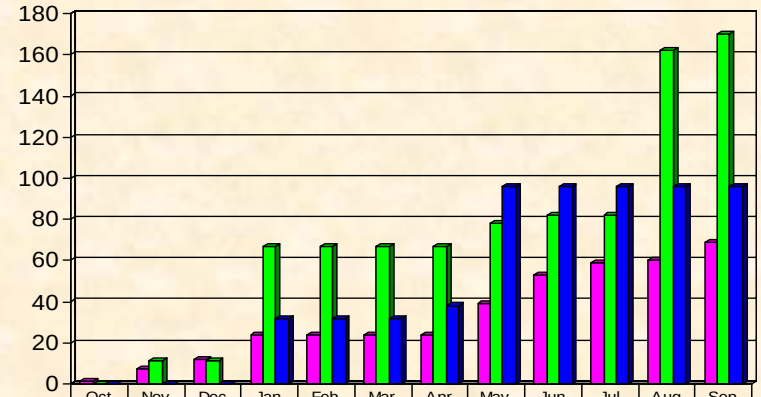
ORNL Laboratory Waste Services
Waste Generated
X035 - Environmental Protection and Waste Services (EPWS)
Hazardous Waste

Containers Processed



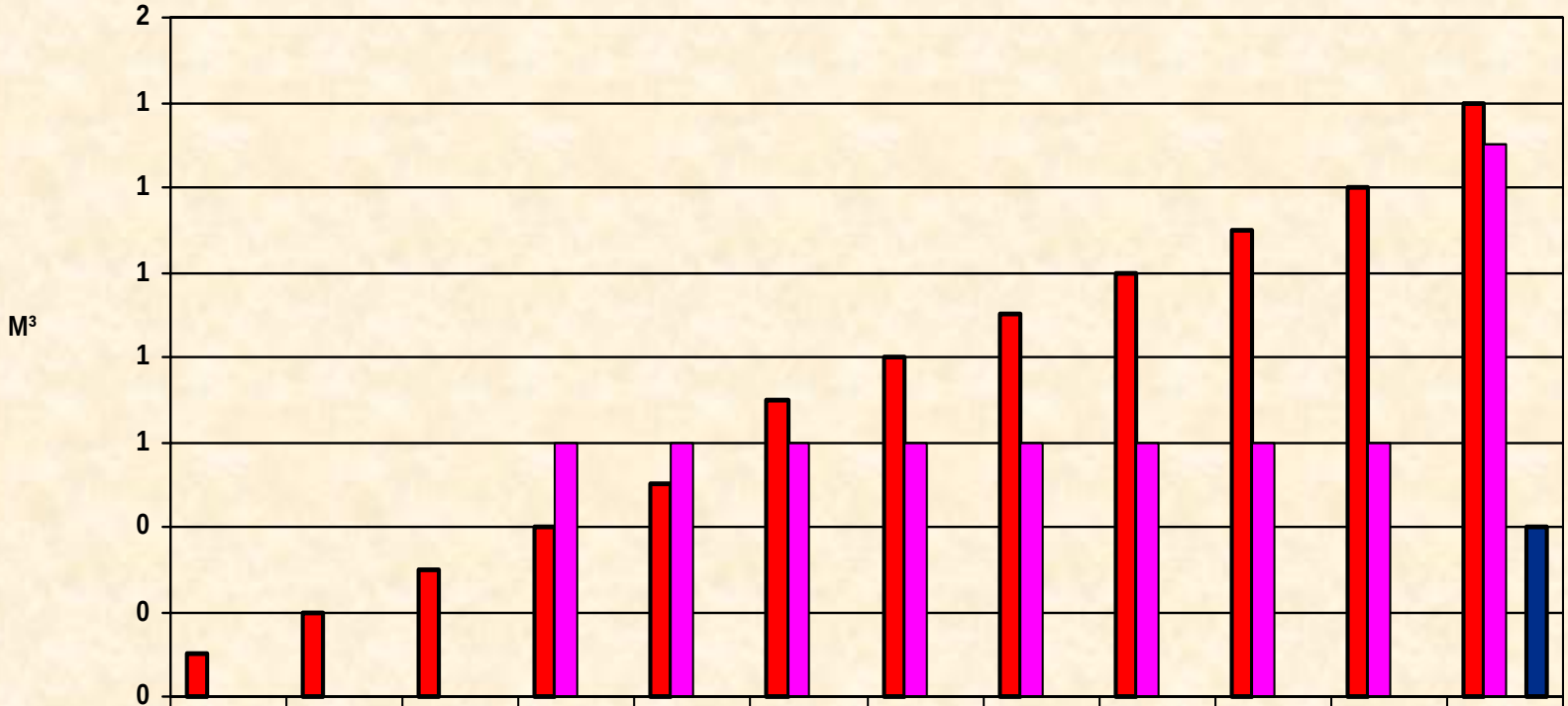
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	1	3	6	13	13	13	13	16	21	23	24	28
FY03	0	1	1	12	12	12	12	14	16	16	41	49
FY02	0	0	0	2	2	2	3	4	4	4	4	4

Items Packed in Containers



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	1	7	12	24	24	24	24	39	53	59	60	69
FY03	0	11	11	67	67	67	67	78	82	82	162	170
FY02	0	0	0	32	32	32	38	96	96	96	96	96

ORNL Laboratory Waste Services
Waste Generated
X035 - Environmental Protection and Waste Services (EPWS)
Low-Level Waste



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04 Forecast	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.4
FY04 Actuals	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3
FY03 Actuals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FY02 Actuals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4

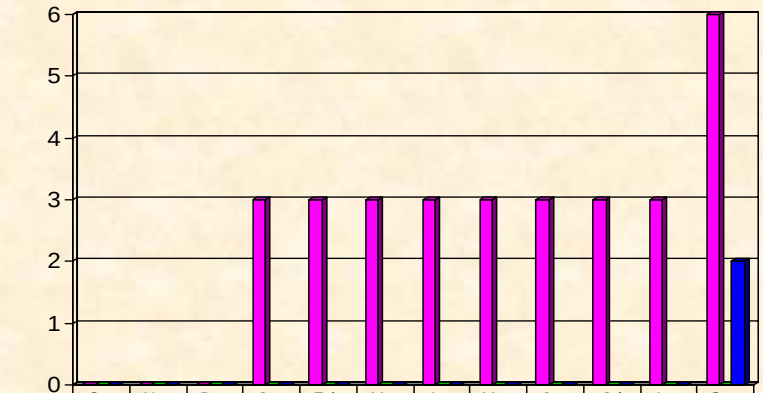
NOTE: Actual Waste Generated includes Routine and Non-Routine. FY02, FY03 and FY04 Waste Generated is reported by Division assigning Charge Number (as referenced on 2109). FY02, FY03 and FY04. This change in reporting was made during July and August 2004.

ORNL Laboratory Waste Services
Waste Generated
X035 - Environmental Protection and Waste Services (EPWS)
Low-Level Waste

Containers Processed

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	0	0	0	3	3	3	3	3	3	3	3	6
FY03	0	0	0	0	0	0	0	0	0	0	0	0
FY02	0	0	0	0	0	0	0	0	0	0	0	2

Items Packed in Containers



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY04	0	0	0	3	3	3	3	3	3	3	3	6
FY03	0	0	0	0	0	0	0	0	0	0	0	0
FY02	0	0	0	0	0	0	0	0	0	0	0	2

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
X035-EPWS											
HAZ											
X10C0100713	HW-01	4500S/F-47	T.J. Cochran	PRO	NR	Excess 2,4,5-TRICHLOROPHENOL, See Attached Logsheet	2.000 kg	10/9/2003	11/14/2003	X035	3X35WSOW
X10C0402387	HW-01-SC	4500N/F-45	T.J. Cocoran	PRO	NR	Solid Hazardous Waste, NRA	6.000 kg	9/23/2004		X035	3X35QASS
X10C0014044	HW-01-SC	7854/NA	S.E. Childs	LEG	NR	Liquid Products not Regulated by DOT, RCRA, or TSCA. Packed in 41-Gallon Fiber Drum	40.000 kg	11/18/2003	1/15/2004	X035	3X35WS54
X10C0014043	HW-01-SC	7854/NA	S.E. Childs	LEG	NR	Solidified Non-Regulated Chemical Products Packed in 41-Gallon Fiber Drum	47.000 kg	11/18/2003	1/15/2004	X035	3X35WS54
X10C0013362	HW-01-SC	4500N/C-25	R.L. Allen	EXC	NR	Flammable Liquids, See Attached Logsheet; NRA (Form Code = W001); Corrosivity-to-Steel Value is an Estimate Based on the Chemical Constituents	3.000 kg	12/23/2003	2/12/2004	X035	3X35E052
X10C0013364	HW-01-SC	4500N/C-25	R.L. Allen	EXC	NR	Excess SDI 1254 Arochlor from the PCB Wipe Sample Pro Detection Kit, See Attached Logsheet; NRA; Corrosivity-to-Steel Value is an Estimate Based on the Chemical Constituents	2.000 kg	12/23/2003	2/12/2004	X035	3X35E052
X10C0013363	HW-01-SC	4500N/C-25	R.L. Allen	EXC	NR	Excess ENSYS Stop Solution from PCB Wipe Sample Pro & Petro Soil Sample Pro Detection Kits, See Attached Logsheet; NRA (Form Code = W001); pH Value is an Estimate Based on the Chemical Constituents	3.000 kg	12/23/2003	2/12/2004	X035	3X35E052
X10C0303580	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	Acidic, Inorganic, Corrosive Liquids, See Attached Logsheet	5.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303581	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	NonRegulated Solids, See Attached Logsheet	2.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303577	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	Sodium Hydroxide, See Attached Logsheet	1.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303576	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	Used Broken Thermometer, See Attached Logsheet	2.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303578	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	NonRegulated Liquids, See Attached Logsheet	3.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303582	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	Used Thermometers (6); See Attached Logsheet	3.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0401050	HW-01-SC	X10/BVROAD	J.L. Johnson	SPL	NR	Spill Material (Grass, Gravel, Soil, and Magic Sorb-RECID A1036, DEVCON, 3/16/98) Contaminated with Ethylene Glycol (RECID 00919, Aldrich, 12/21/00).	124.000 kg	9/15/2004		X035	3X35LWER
X10C0303187	HW-01-SC	7503/Outside	J.L. Johnson	SPL	NR	Soil Contaminated with Tranmission Fluid from Spill (Kendall, 6-21-97, RECID 86241), Meets No Rad Added Requirements	256.000 kg	8/3/2004	9/16/2004	X035	3X35LWER
X10C0303639	HW-01-SC	4500S/F-47	T. J. Cochran	PRO	NR	Excess VWR 1000-PPM Arsenic Atomic Absorption Standard, See Attached Log Shee	2.000 kg	5/28/2004	7/15/2004	X035	3X35QASS

Container	MWP	Origin Location	Generator	Category	Routine / Non-Routine	Description	Quantity	Received	Picked Up	2109 Div.	ChargeNumbe
X10C0400865	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Excess Methylene Chloride, See Attached Logsheet	3.000 kg	6/16/2004	7/15/2004	X035	3X35QASS
X10C0400864	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Waste, Carbon,activated, 4.2, UN1362, PG III	5.000 kg	6/16/2004	7/15/2004	X035	3X35QASS
X10C0400866	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Flammable Liquid, See Attached Log Sheet	21.000 kg	6/16/2004	7/15/2004	X035	3X35QASS
X10C0400867	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Non-Regulated Solids, NRA	2.000 kg	6/16/2004	7/15/2004	X035	3X35QASS
X10C0303579	HW-01-SC	4500S/R203	J.B. Watson	EXC	NR	Excess Sodium Hydroxide Solution; See Attached Logsheet	4.000 kg	1/5/2004	2/12/2004	X035	3X35E081
X10C0303640	HW-01-SC	4500S/F-47	T. J. Cochran	PRO	NR	Inorganic, Acidic, Corrosive Liquids, See Attached Logsheet	23.000 kg	5/28/2004	7/15/2004	X035	3X35QASS
X10C0402386	HW-01-SC	4500N/F-45	T.J. Cocoran	PRO	NR	Excess Glass Wool, See Attached LogSheet	8.000 kg	9/23/2004		X035	3X35QASS
X10C0303638	HW-01-SC	4500S/F-47	T. J. Cochran	PRO	NR	Inorganic, Acidic, Corrosive Liquids, See Attached Logsheet	3.000 kg	5/28/2004	7/15/2004	X035	3X35QASS
X10C0401253	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Flammable Liquid, See Attached Logsheet	2.000 kg	7/23/2004	9/16/2004	X035	3X35QASS
X10C0401254	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Excess DOW CORNING High Vacuum Grease, See Attached Logsheet	3.000 kg	7/23/2004	9/16/2004	X035	3X35QASS
X10C0402391	HW-01-SC	4500N/F-45	T.J. Cocoran	PRO	NR	Excess Environmental Resource Associates' PriorotuPollutnt/CLP SOIL. Inorganic Trace Metals	2.000 kg	9/23/2004		X035	3X35QASS
X10C0400863	HW-01-SC	4500S/F-47	T.J. Cochran	PRO	NR	Inorganic, Basic, Corrosive Liquid, See Attached LogSheet	4.000 kg	6/16/2004	7/15/2004	X035	3X35QASS
					Total	HAZ	581.000 kg				

LLW

X10C0300110	L-010	4500N/C-25	M.T. Carr	PRO	NR	PPE (TYVEX AND GLOVES), Plastic Bags, Blotter Paper, Health Physics Tags, Bags for Radioactive Waste, White Paper Towels, Pieces of Plastic Air-Line Tubing, Silica Gel, and Activated Carbon	0.208 m3	1/27/2004	9/3/2004	X035	3X35E087
X10C0011356	L-020	SWSA5/WELL 1097	J.B. Watson	PRO	NR	Empty Drum From Use at Groundwater Monitoring Well 1097	0.208 m3	1/13/2004		X035	3X35E081
X10C0300095	L-020	SWSA5/WELL 1097	J.B. Watson	EXC	NR	Empty Drum From Use at Groundwater Monitoring Well 1097	0.208 m3	1/13/2004		X035	3X35E081
X10C0202516	L-040	X10/95WOD	J.L. Johnson	SPL	NR	Radioactive Contaminated Soil with Traces of Oil Mixed with Traces of NON RCRA Hydraulic Oil (RECID B4560, Kendall, 8/10/94)	0.212 m3	9/29/2004		X035	3X35SRUS
X10C0202515	L-040	X10/95WOD	J.L. Johnson	SPL	NR	Radioactive Contaminated Soil with Traces of Oil Mixed with Traces of NON RCRA Hydraulic Oil (RECID B4560, Kendall, 8/10/94)	0.212 m3	9/29/2004		X035	3X35SRUS

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
X10C0202514	L-040	X10/95WOD	J.L. Johnson	SPL	NR	Radioactive Contaminated Soil with Traces of Oil Mixed with Traces of NON RCRA Hydraulic Oil (RECID B4560, Kendall, 8/10/94)	0.212 m3	9/29/2004		X035	3X35SRUS
					Total	LLW	1.262 m3				