



NAVAL FACILITIES ENGINEERING SERVICE CENTER  
1100 23rd Avenue  
Port Hueneme, California 93043-4370

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# Annual Report AR-2020-ENV

## CALENDAR YEAR 2002 POLLUTION PREVENTION ANNUAL DATA SUMMARY (P2ADS)

by

Environmental Information Systems Branch  
Environmental Quality Division

July 2003

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# Report Documentation Page

*Form Approved  
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1. REPORT DATE <b>00 JUL 2003</b>	2. REPORT TYPE <b>N/A</b>	3. DATES COVERED <b>-</b>	
4. TITLE AND SUBTITLE <b>Calendar Year 2002 Pollution Prevention Annual Data Summary (P2ADS)</b>		5a. CONTRACT NUMBER	
		5b. GRANT NUMBER	
		5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)		5d. PROJECT NUMBER	
		5e. TASK NUMBER	
		5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>NAVAL FACILITIES ENGINEERING SERVICE CENTER 1100 23rd Avenue Port Hueneme, California 93043-4370</b>		8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release, distribution unlimited</b>			
13. SUPPLEMENTARY NOTES <b>The original document contains color images.</b>			
14. ABSTRACT			
15. SUBJECT TERMS			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>	<b>UU</b>
			18. NUMBER OF PAGES <b>244</b>
			19a. NAME OF RESPONSIBLE PERSON





## **EXECUTIVE SUMMARY**

The Pollution Prevention Annual Data Summary (P2ADS) tracks the Department of the Navy's progress in meeting the Department of Defense Measures of Merit goals for solid waste, hazardous waste, and affirmative procurement.

The Measures of Merit goal for hazardous waste calls for a 50% reduction of wastes transferred offsite by 1999 using 1992 as a baseline. The Navy has exceeded the hazardous waste Measures of Merit goal for six consecutive years, 1997-2002. In Calendar Year 2002, the Navy reduced the amount of hazardous waste shipped offsite by 73.5% using CY92 data as the baseline.

The Measures of Merit goal for solid waste is to ensure the diversion rate for non-hazardous solid waste is greater than 40% by Fiscal Year 2005. This reduction must be accomplished while ensuring integrated non-hazardous solid waste management programs provide an economic benefit when compared with disposal using landfilling and incineration alone. For the fifth consecutive year, the Navy has exceeded the Measures of Merit goal with a 49% diversion rate. The economic benefit for 2002 also meets the goal with an integrated waste management cost avoidance of \$25,465,537.

Other select waste diversion decreased slightly from 68.52% in 2001 to 68% in 2002. Other select waste data, consisting of mostly construction and demolition debris, shows an increase in recycling percentages. Other select waste provides the extra diversion to help the Navy meet the Measures of Merit goal. Without other select waste the Navy would not have met its goal for 2002.

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## CY02 Pollution Prevention Annual Data Summary (P2ADS) NAVY

**Hazardous Waste (HW).** See summary and backup information in Section 1.

1. Number of installations reporting HW: 114.
2. Number of installations with a Pollution Prevention Plan: 109.
3. Total hazardous waste disposal cost: \$27,076,823.
4. Number of RCRA Subtitle C permits held by installations: 36.
5. Number of installations that have initiated the Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP): 92.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifested Offsite
BD	1,149.33	0.33	8.34	33.86	0	0	1,107.46
CP	850.59	15.88	0	62.96	0	0	803.50
EP	2,655.68	21.85	2,321.47	34.71	0	0	321.35
ES	1,851.17	63.46	22.28	282.05	0	7.17	1,603.12
FC	6,359.01	180.00	617.75	266.34	0	315.01	5,339.92
FP	14,484.78	619.75	642.85	838.99	2.40	269.43	13,350.86
MX	428.98	20.35	334.54	106.01	0	0	8.79
NR	8,238.86	165.29	291.46	127.21	161.68	0	7,823.80
PD	6,249.42	188.07	1,175.99	673.49	0	17.87	4,570.14
SP	24,946.72	70.37	402.50	158.25	0	88.95	24,367.39
<b>Total</b>	<b>67,214.72</b>	<b>1,345.35</b>	<b>5,817.17</b>	<b>2,583.85</b>	<b>164.08</b>	<b>698.43</b>	<b>59,296.33</b>

### Process code definition:

<b>BD.</b> Bilge/tank cleaning & derusting	<b>FP.</b> Facilities operations
<b>CP.</b> Chemical paint stripping	<b>MX.</b> Munitions and explosives
<b>EP.</b> Plating shop waste	<b>NR.</b> Non-recurring
<b>ES.</b> Expired shelf life/excess materials, non-ship	<b>PD.</b> Painting/depainting/surface finishing
<b>FC.</b> Fluids changeout	<b>SP.</b> Ship operations

7. Hazardous waste success stories: See Appendix A.



**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVY**

**Solid Waste (SW) and Other Select Waste (OSW).** See summary and backup information in Section 2.

1. Number of installations reporting: 107.
2. Number of installations with a Solid Waste Management Plan (SWMP): 92.
3. Number of installations with a Qualified Recycling Program (QRP): 77  
 Total Annual QRP Tons Recycled: 82,019  
 Total Annual QRP Costs: \$7,795,935.88  
 Total Annual QRP Revenues: \$4,637,990.07
4. Number of installations with composting facilities: 13.
5. Number of installations that have an active RCRA permitted landfill: 5.  
 In addition, there are two foreign landfills.

6. Solid waste operations summary: \*Recycled and category tons do not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	339,709	28,813,773	N/A
Incinerated	52,763	8,828,694	0
Composted	27,603	465,846	0
Recycled	*144,613	9,776,139	8,6997,863

7. Solid waste recycled summary by category (tons):

Food	866
Glass	1714
Metals	64,951
Other Non-Food	13,476
Paper	38,188
Plastic	1,350
Wood	11,655
Yard/Green Waste	12,419
Total Tons Recycled	*144,619

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Revenues (\$)</b>	<b>Recycled Cost (\$)</b>
C&D	172,082	2,769,766	360,669	403,871	904,083
Oils	1,566	204,399	7,036	349,359	499,066
Antifreeze	164	139,486	184	79,434	35,182
Lead-Acid Batteries	43	45,102	1,625	32,422	85,009

9. Solid and other select waste success stories: See Appendix B and C.

## **CY02 Pollution Prevention Annual Data Summary (P2ADS) NAVY**

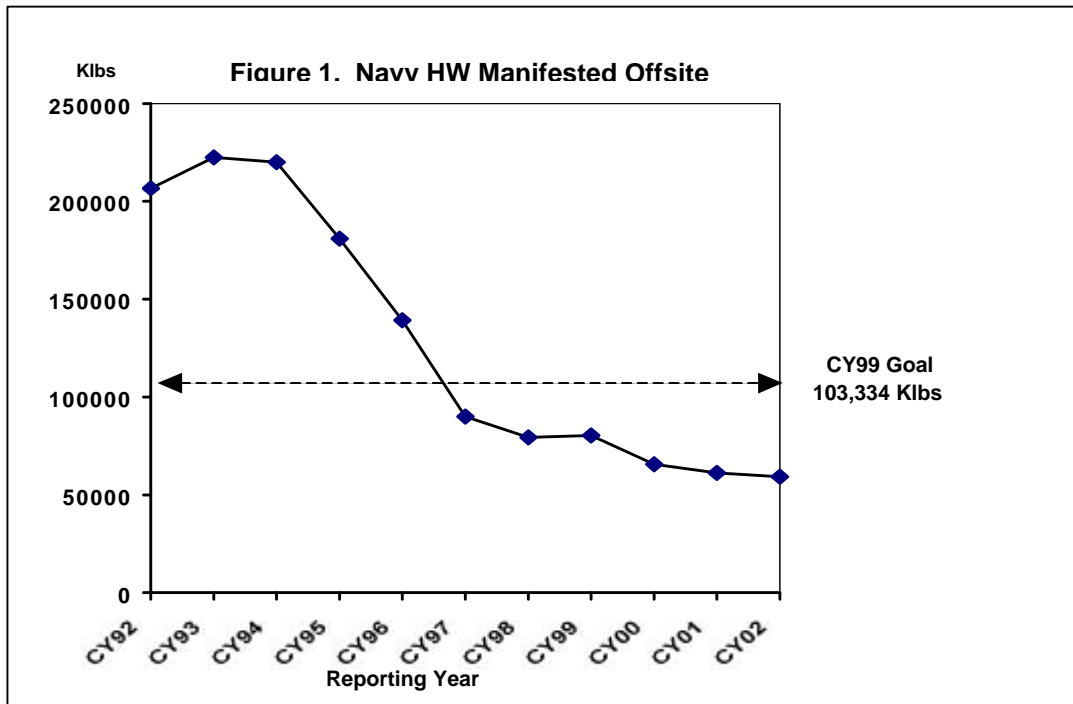
**Affirmative Procurement Program (APP).** See summary and backup information in Section 3.

1. Number of installations reporting: 106.
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 74
3. Number of installations with a recycling program for office/administrative spaces: 99
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 88
5. Number of construction and demolition (C&D) projects started during the CY02: 3,808  
Number of projects that include recycling of C&D debris: 2,920
6. Number of installations that have an APP plan or instruction: 51
7. Acquisition personnel (excludes purchase cardholders for less than \$2,500).
  - A. Number of acquisition personnel: 7,221
  - B. Number who received documented APP training within the last three years: 337
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 8,295
  - B. Number who received documented APP training within the last three years: 3,356
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 34
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 60
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 55
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 29
11. Affirmative Procurement Program success stories: See Appendix D.

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## SECTION 1 CY02 HAZARDOUS WASTE SUMMARY

**Navy Offsite Review.** Calendar Year (CY) 2002 was another successful year for the Navy. The Navy reduced hazardous waste transferred offsite 3.35% (2,057 K pounds) since the CY01 report. The Navy Measures of Merit goal is to reduce by 50% the amount of hazardous waste (HW) shipped offsite using the CY92 data as the baseline (206,668 K pounds) and CY99 as the goal year. The Navy exceeded this goal in CY99 and has continued to reduce the hazardous waste shipped offsite every year. In CY02, the amount of HW sent offsite has decreased by 71.3% (59,296 K pounds) compared to CY92. Figure 1 shows the Navy's progress in meeting and exceeding the Measures of Merit goal.



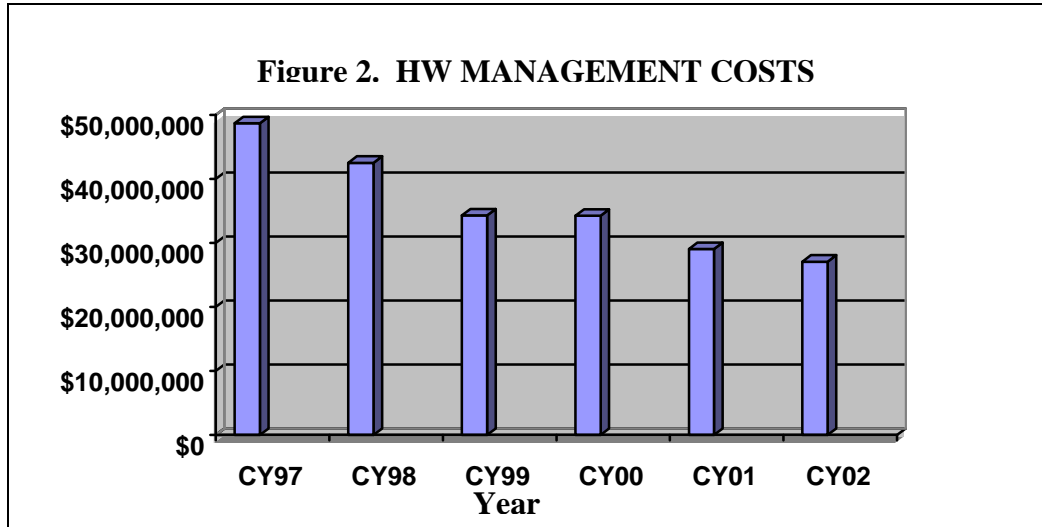
HW manifested offsite includes all wastes recycled and disposed offsite. In CY02, offsite wastes showed a decrease of 2,057 K pounds compared to CY01. Recycled offsite decreased slightly with .6% (51 K pounds) and disposed offsite decreased 3.7% (2,006 K pounds) compared to CY01.

**Reporters.** In CY02, 114 installations reported as Class 1 and 2 hazardous waste generators. The number of reporting installations has decreased by two from CY01. Three installations NAVCOMMSTA Stockton, NSG Kunia, and NSY Charleston changed their generator status from Class 1 or 2 to Class 3 and NRRC Singapore, a new installation, is reporting.

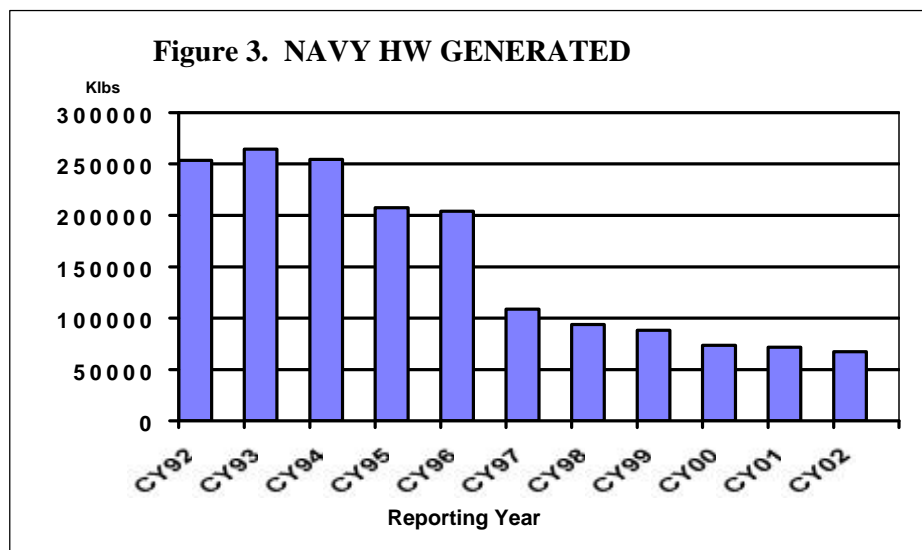
Of the 114 reporting installations, 109 have Pollution Prevention Plans. This is an increase of five from CY01 report.

**RCRA TSD Permits.** In CY02 there are 36 RCRA Treatment, Storage, and Disposal (TSD) permits held by 33 installations. Of the 36 permits, 31 are final Part B permits and 5 are interim status applications. Since CY01 the number of permits has decreased from 39 to 36. The two permits were closed at NAS Pensacola and one was closed at WPNSTA Seal Beach.

**HW Management Costs.** Management costs includes all costs associated with the handling and disposition of hazardous waste excluding salaries. Costs included are contract, storage, analytic and sampling, lab analysis, etc. The cost for managing hazardous waste has decreased 44% since 1997. Figure 2 shows costs for CY97 through CY02.



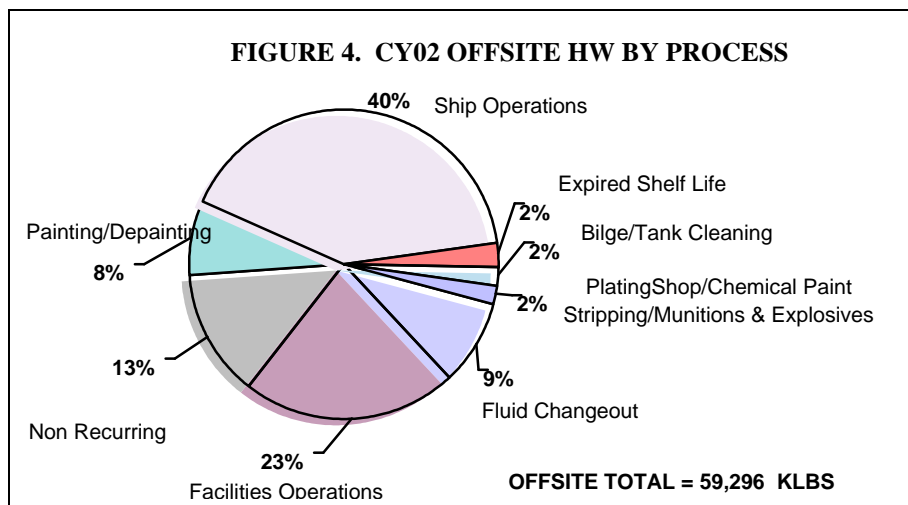
**Generated Totals.** Figure 3 shows total hazardous waste generated by calendar year. Overall generation has decreased 73.5% (186,421 K pounds) since the CY92 baseline report. This is a decrease of 4,662 K pounds from the CY01 report showing that Navy installations continue to reduce hazardous materials at the source.



**Process Review.** In CY02, installations were given the option of reporting their wastes using the Navy process codes or the source codes from EPA’s Biennial Report. For consistency with past reports, we have converted the EPA source codes to the Navy process codes. Beginning with CY03 report we will use only the EPA source codes.

The top three processes in CY02 are ship operations, facility operations, and non-recurring waste accounting for 41% (24,367 K pounds), 23% (13,351 K pounds), and 13% (7,824 K pounds), respectively, of the offsite total.

Figure 4 is a breakout of offsite wastes by process. The largest process, ship operations, decreased 5.5% (1,430 K pounds) compared to CY01. Ship operations has been the process with the largest quantity of wastes shipped offsite since CY92. The process includes bilge/tank cleaning; ships decommissioning; and all wastes generated during a ship’s operation.



The second largest process in CY02 is facilities operations with 13,351 K pounds. Compared to CY01, facilities operation has increased by 1,920 K pounds. The third largest process is non-recurring waste with 7,824 K pounds disposed offsite. Non-recurring wastes are wastes generated by a one-time occurrence outside an installation’s normal daily operations.

**Navy and Claimant Summaries.** The tables in Section 1 Backup Data show a comparison of the Navy’s offsite totals for calendar years 1992-2002 and claimant totals for the number of installations with Pollution Prevention Plans, CHRIMP, RCRA permits, HW management costs, and the waste disposition summary for each claimant.

**Claimant and Installation Summaries.** Section 4 provides additional reports that list the claimants and their installation totals for calendar years 1992-2002. The reports list totals for each installation, which includes the number of installations that reported for each claimant; number with Pollutions Prevention Plans; HW management cost; CHRIMP; RCRA permits; and a waste disposition summary.

**SECTION 1 BACKUP DATA**  
**CY92-02 HAZARDOUS WASTE NAVY COMPARISON**  
**(Excluding IR and RC) in K pounds**

	<u>OFFSITE RECYCLED</u>	<u>OFFSITE DISPOSED</u>	<u>OFFSITE TOTAL</u>
CY92	61,940	144,727	206,668
CY93	64,829	157,732	222,562
CY94	40,222	179,840	220,062
CY95	21,867	159,065	180,932
CY96	42,949	96,229	139,178
CY97	10,075	79,932	90,007
CY98	13,780	65,632	79,413
CY99	12,877	67,573	80,450
CY00	9,620	55,999	65,618
CY01	7,596	53,757	61,353
CY02	7,545	51,751	59,296

Offsite = Recycled Offsite + Disposed Offsite

**SECTION 1 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**BY CLAIMANT**  
**(Excluding IR and RC) in K pounds**

<b>CLAIMANT</b>	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
BUMED	61	83	123	170	152	223	188	222	101	576	134
CNO (FSA)	433	459	719	520	642	1,034	5,629	854	1,627	1,025	1,390
LANTFLT	23,618	30,040	54,859	23,858	30,266	9,995	14,732	13,637	10,131	10,814	8,351
NAVAIR	5,601	4,910	3,545	6,214	6,204	4,709	5,194	2,597	5,472	4,020	4,470
NAVEUR	1,654	1,880	1,843	9,156	14,597	1,132	4,250	1,212	1,867	850	996
NAVFAC	68,919	75,919	48,378	35,879	31,304	9,829	10,223	9,006	3,506	4,040	1,120
NAVMETOC	0	6	2	4	0	0	0	0	3	13	36
NAVSEA	27,861	28,032	29,646	26,511	28,270	35,411	20,082	28,787	25,216	26,947	29,256
NAVSECGR	14	3	193	27	26	29	238	321	464	2	0
NAVSUP	703	7	4	3	0	0	0	0	0	0	0
NAVSYSMGT	0	0	0	0	0	6	5	4	6	18	6
NETC	4,264	1,576	2,426	7,160	1,887	951	714	1,126	534	450	413
NNOC	519	28	59	71	122	413	171	131	715	235	1,282
NVRESFOR	474	221	253	204	397	469	1,913	1,153	704	237	359
OCNR	129	30	207	21	61	38	111	36	30	74	106
ONI	0	0	0	0	0	20	0	0	3	0	0
PACFLT	71,869	78,839	77,504	69,959	24,658	25,537	15,900	21,327	15,190	12,013	11,138
SPAWAR	253	205	162	1,175	380	212	64	36	50	39	240
SSPO	298	324	139	0	211	0	0	0	0	0	0
<b>NAVY TOTAL:</b>	<b>206,668</b>	<b>222,562</b>	<b>220,062</b>	<b>180,932</b>	<b>139,177</b>	<b>90,007</b>	<b>79,413</b>	<b>80,450</b>	<b>65,618</b>	<b>61,353</b>	<b>59,296</b>

Note: Transferred Offsite = Recycled Offsite + Disposed



**SECTION 1 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
BY CLAIMANT**

CLAIMANT	NUMBER OF INSTALLATIONS			RCRA TSD PERMITS	HW MANAGEMENT COSTS (\$)	GENERATED KLBS
	REPORTING	WITH P2 PLANS IN PLACE	IMPLEMENTING CHRIMP			
BUMED	6	6	3	1	\$154,875	139
CNO (FSA)	5	5	2	2	\$1,407,606	1,543
LANTFLT	20	19	18	12	\$6,048,244	9,434
NAVAIR	6	5	5	2	\$1,180,874	4,486
NAVEUR	6	5	5	0	\$346,565	1,478
NAVFAC	3	3	3	*6	\$389,821	1,247
NAVMETOC	1	1	1	0	\$14,811	36
NAVSEA	19	18	13	8	\$8,432,892	32,504
NAVSYSMGT	1	1	0	0	\$34,386	6
NETC	8	8	7	2	\$451,234	474
NNOC	1	1	1	0	\$1,940	1,246
NVRESFOR	5	5	5	0	\$346,425	371
PACFLT	32	31	28	3	\$8,221,568	12,956
SPAWAR	1	1	1	0	\$45,581	1,295
<b>NAVY TOTAL:</b>	<b>114</b>	<b>109</b>	<b>92</b>	<b>36</b>	<b>\$27,076,823</b>	<b>67,215</b>

\*Two Class III BRAC activities have permits.

**SECTION 1 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**BY CLAIMANT**  
(Excluding IR and RC) in K pounds

CLAIMANT	GENERATE	BACKLOG	STORED	TREATED	RECYCLED ONSITE	RECYCLED OFFSITE	DISPOSED OFFSITE	TRANSFER- OFFSITE
BUMED	139	5	8	0	2	4	130	134
CNO (FSA)	1,543	30	42	0	92	733	706	1,439
LANTFLT	9,434	293	1,202	221	0	1,237	7,067	8,303
NAVAIR	4,486	155	98	71	1	526	3,944	4,470
NAVEUR	1,478	27	3	13	341	183	862	1,044
NAVFAC	1,247	1	5	124	0	41	1,078	1,120
NAVMETOC	36	0	0	0	0	0	36	36
NAVSEA	32,504	220	280	3,188	0	315	28,941	29,256
NAVSYSMGT	6	0	0	0	0	3	3	6
NETC	474	4	8	0	0	40	430	470
NNOC	1,246	40	5	0	0	0	1,282	1,282
NVRESFOR	371	5	6	0	12	115	244	359
PACFLT	12,956	567	930	1,144	250	4,342	6,796	11,138
SPAWAR	1,295	0	0	1,055	0	6	234	240
<b>NAVY TOTAL:</b>	<b>67,215</b>	<b>1,345</b>	<b>2,584</b>	<b>5,817</b>	<b>698</b>	<b>7,545</b>	<b>51,751</b>	<b>59,296</b>

Note: Recycled offsite + Disposed offsite = Transferred offsite

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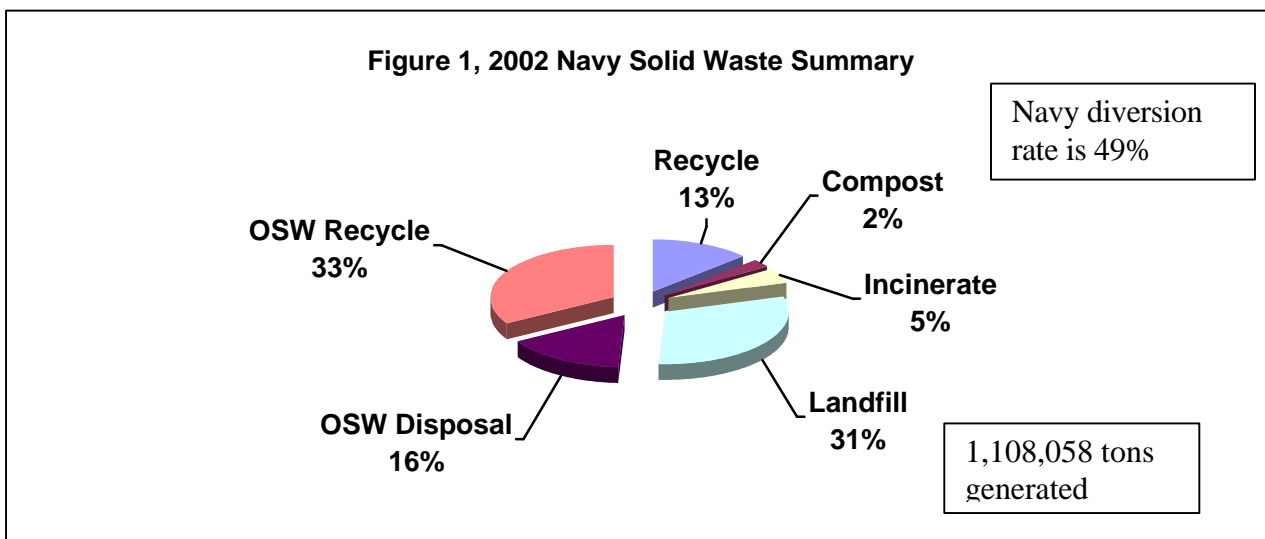
## SECTION 2 CY02 SOLID WASTE SUMMARY

**2002 Navy Summary.** The Navy has met or exceeded the Department of Defense (DOD) solid waste Measures of Merit (MOM) goal for five consecutive years. The diversion rate increased from 46% in 2001 to 49% for 2002, the best diversion percentage ever. The economic benefit for 2002 also meets the economic part of the goal with an integrated waste management cost avoidance of \$25,465,537.

Other select waste (OSW) held its own with a diversion rate of 68%, only a slight decline from 68.55% in 2001. OSW helped the overall diversion rate of 49%. Without the OSW contribution, the diversion rate would only be 30.50%.

For 2002, composting tonnage went up by 2,969 tons to 27,603 tons, tons incinerated decreased by 4,946 tons to 52,763, and landfilling decreased by 37,964 tons to 339,709 tons.

Figure 1 shows 2002 Navy solid waste generation with 1,108,058 tons, a decrease of 24,958 tons from CY2001. The components are expressed as percentages.



**P2ADS Data Collection.** This section, tracks the cost/revenues and amount (tonnage) of Navy solid waste in four ways: landfilling; incineration; recycling; and composting. With these figures, and the local tipping fee, the Department of Defense (DOD) Measures of Merit (MOM) for “non-hazardous solid waste” can be calculated. OSW is collected in more detail and is used in the MOM calculations.

**Department of Defense Solid Waste Goal.** The Measures of Merit (MOM) goal is *“By the end of FY2005, ensure the diversion rate for non-hazardous solid waste is greater than 40%, while ensuring integrated non-hazardous solid waste management programs provide an economic benefit when compared with disposal using landfilling and incineration alone.”*

The goal is based on a rate that can be calculated with each year's data thus eliminating the need for a baseline or base year. Waste diversion from landfilling or incineration can be measured by the data we collect for P2ADS. The equation for calculating the diversion rate is shown below:

$$\text{Diversion Percent} = \frac{\text{Tons Recycled} + \text{Tons Composted} + \text{Tons Other Select Waste Diverted}}{\text{Tons Recycled} + \text{Tons Composted} + \text{Tons Incinerated} + \text{Tons Landfilled} + \text{Tons Other Select Waste}} \times 100$$

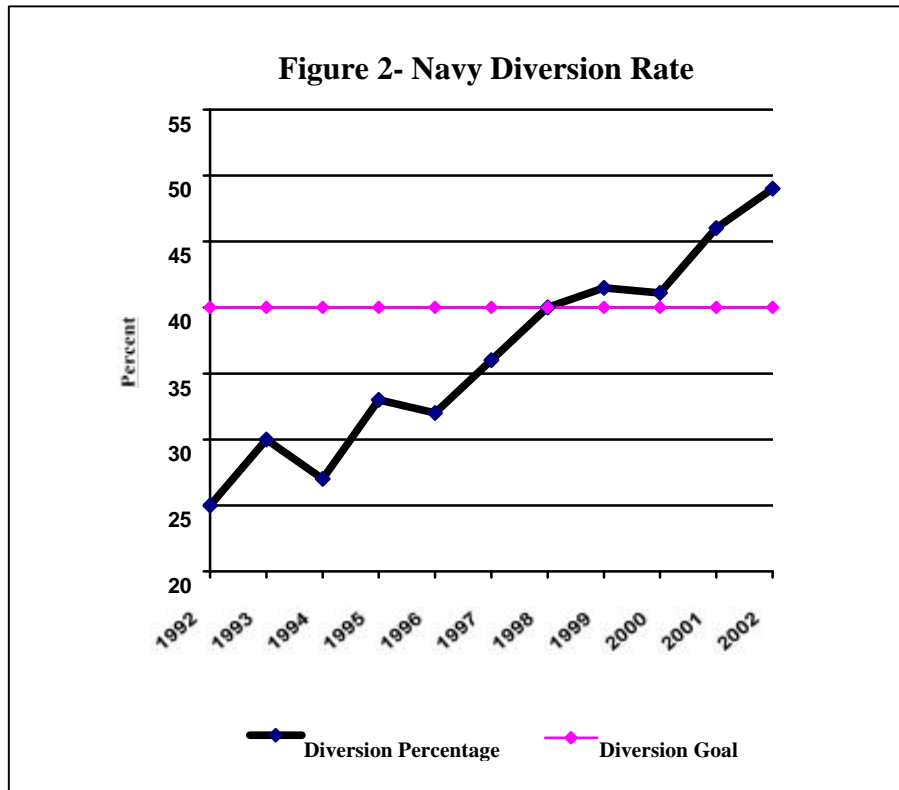
The economic part or economic benefit of the goal compares the cost of diversion and disposal. A positive number shows that the cost of diversion is less than if all the waste were disposed in a landfill or incinerator. The equation accounts for recycling and composting revenues. Individual installations may have a negative economic benefit but the Navy will most likely always have a positive number. The economic benefit or integrated solid waste management cost avoidance equation is shown below.

ISWMCA = PDC – ADC where:

ISWMCA = integrated solid waste management cost avoidance (in dollars).

PDC = Potential disposal cost (cost, in dollars, if all waste were landfilled or incinerated).

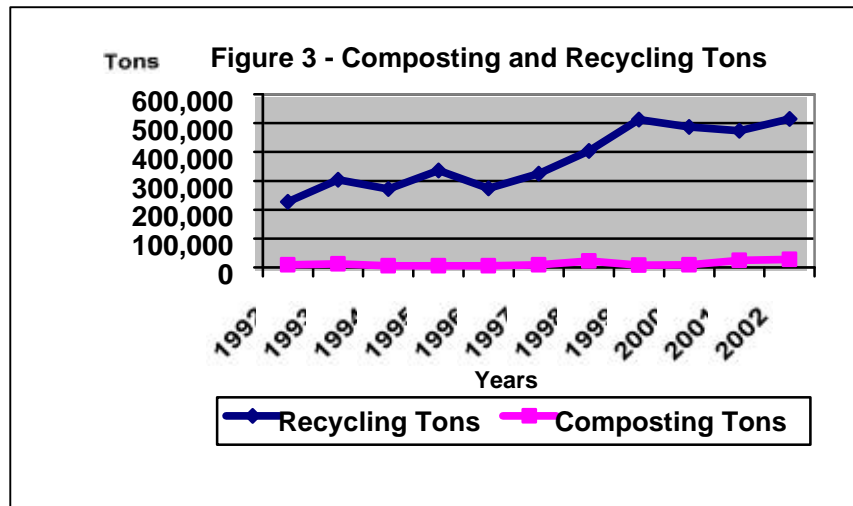
ADC = Actual disposal cost of integrated solid waste management (in dollars).



**Navy Diversion Percentage.** Figure 2 shows the Navy's 2002 diversion rate as 49%, the highest rate ever. This diversion rate includes OSW (C&D; waste motor oils; lead-acid batteries; and ethylene glycol antifreeze), and is an increase from last year's 46% diversion rate. Without OSW the solid waste diversion rate would be 30.50%. The record increase in Navy diversion was from a steady decrease in disposals and generated waste. The Navy recycles considerably more C&D than is recycled from the refuse waste stream. It's not hard to understand that

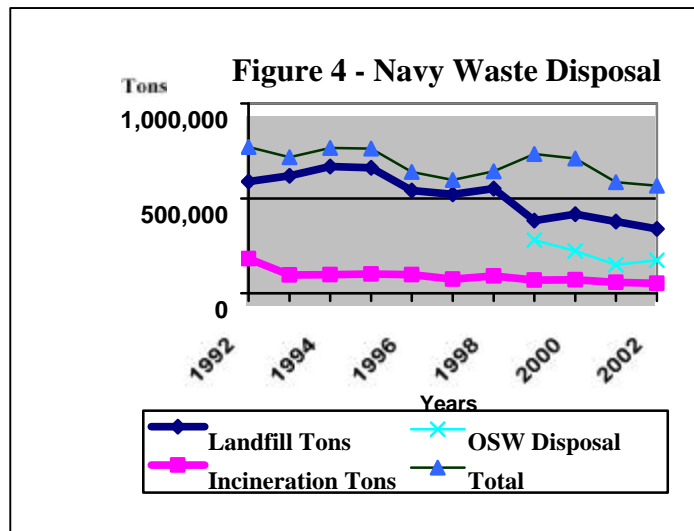
recycled dense construction material such as concrete and metals can add significantly to the diversion rate.

Figure 3 shows the composting and recycling tonnage since 1992. Navy composting increased from 24,634 tons in 2001 to 27,603 tons for 2002, up again this year. Refuse recycling declined from 148,455 tons in 2001 to 144,613 tons in 2002 for a decrease of 3,842 tons. OSW recycling increased 44,174 tons to 369,514 tons in 2002.



Recycling tons includes both recycled refuse and recycled OSW. For 2002, the Navy recycled 514,127 tons. This includes recycling of construction and demolition debris; waste oils; batteries; and antifreeze as well as traditional installation refuse recycling.

In past years, C&D recycling was included in the overall recycling figures and we could not determine the amount contributed by C&D. As shown in Figure 3 the recycling trend has gone up since 1996, with a slight decline for 2000 and 2001 but up again in 2002.



Disposal consists of landfilling, incineration, and OSW disposal. Landfilling, incineration, and OSW disposal were all down for 2001. As Figure 4 shows, overall disposal decreased to 566,327 tons. Incineration decreased by 4,946 tons to 52,763 tons. Landfilling decreased by 37,964 tons to 339,709 tons and OSW disposal increased by 24,566 tons to 173,855 tons. Disposal for 2002 is the lowest ever for the Navy. Table 1 shows the disposal figures for the past two years.

COMPARISON OF 2001 AND 2002 DISPOSAL		
Disposal Category	CY2001	CY2002
Landfill Tons	377,673	339,709
Incinerated Tons	57,709	52,763
OSW Tons	149,289	173,855
Total Disposal Tons	584,671	566,327

**Table 1, Navy Disposal**

**Economic Benefit Subpart of MOM Goal.** The economic benefit or integrated solid waste management cost avoidance (ISWMCA) is calculated by using the following equation discussed earlier. It is:  $ISWMCA = \text{Potential Disposal Cost (PDC)} - \text{Actual Disposal Cost (ADC)}$ . In general, a positive value resulting from the calculation shows cost avoidance. A negative value shows that recycling is more costly than disposal. This may not be true, but is a result of the factors considered in the calculation such as tipping fees, recycling, composting, and other fixed disposal cost. For example, a low tipping fee will tend to cause a negative ISWMCA. The Navy's ISWMCA has always been positive. Overall, for 2002, the Navy has a positive ISWMCA of \$25,465,537.

**Cost of Solid Waste Management.** We collected operation costs for landfilling, incineration, composting, recycling, and OSW. The overall cost for CY02 Navy solid waste management for was \$52,566,544 for handling 1,108,057 tons of solid waste. Table 2 shows the overall cost for each solid waste operation as well as its cost per ton. The cost includes the total cost to the Navy to operate or contract for landfilling, incineration, composting, recycling, and disposal and recycling OSW worldwide. The cost column does not reflect adjustments for avoided disposal cost or recycling revenues. The cost per ton does account for revenues and shows the Navy wide cost per ton for each operation.

Navy Solid Waste Cost for 2002		
Operation	Cost (\$)	*Cost Per Ton (\$)
Landfilling	28,813,773	84.81
Incineration	8,828,694	167.32
Composting	465,846	16.87
Recycling	9,776,139	7.45
OSW Disposal	3,158,752	17.66
OSW Recycling	1,523,340	1.78
Total	\$52,566,544	\$42.66

\*Cost per ton includes adjustment for revenues.

**Table 2, Navy Solid Waste Cost**

**Navy Recycling Program.** The Navy generated \$8,697,863 in recycling revenues from the sale of 144,613 tons at a cost of \$9,776,139. Recycling revenues are up and cost is down for 2002. Recycling revenues are up \$3,181,427 even though recycled tonnage is down by almost 3,842 tons, and the cost of recycling decreased by \$766,337. This brought the cost of recycling to a healthy \$7.49 to recycle a ton of Navy scrap. The Navy does not show a profit but is getting very close. This is a total Navy figure that includes Qualified Recycling Program (QRP) and Navy Working Capital Fund (NWCF) recycling programs.

OSW recycling amounted to 369,514 tons at a cost of \$1,523,340. The Navy received \$865,086 in revenues for an overall cost of \$1.78 per ton to recycle OSW.

**Qualified Recycling Program (QRP) Data.** The QRP also shows a loss for 2002. This is the third year we have collected QRP data separately. The data shows the QRP recycled 82,019 tons at a cost of \$7,795,938 and had revenues of \$4,637,990. This resulted in an overall loss of \$3,157,946 for the Navy QRP. QRP processed over 2,619 less tons than last year but received \$241,478 more in revenue while operations cost increased by \$636,939. Replacing “no cost” military labor with government employees factored in QRP figures. Table 3 shows the revenues, cost, and profit and loss for each claimant.

<b>QRP Profit or Loss for 2002</b>			
<b>Claimant</b>	<b>Revenues (\$)</b>	<b>Cost (\$)</b>	<b>Profit or (Loss) (\$)</b>
<b>BUMED</b>	17,112	53,482	(36,370)
<b>CNO (FSA)</b>	445,250	592,200	(146,950)
<b>LANTFLT</b>	1,165,165	2,056,322	(891,156)
<b>NAVAIR</b>	258,855	770,290	(511,435)
<b>NAVEUR</b>	23,727	196,751	(173,024)
<b>NAVSEA</b>	330,968	252,328	78,640
<b>NAVSECGR</b>	4,041	624	3,417
<b>NAVSYSMGT</b>	0	0	0
<b>NETC</b>	270,222	494,343	(224,121)
<b>NVRESFOR</b>	97,368	212,234	(114,866)
<b>PACFLT</b>	2,025,281	3,167,362	(1,142,081)
<b>SPAWAR</b>	0	0	0
<b>NAVY TOTAL</b>	\$4,637,990	\$7,795,936	(\$3,157,946)

**Table 3, Claimant QRP Profits and Losses**  
( ) indicates negative number

**Claimant Solid Waste Diversion Goal.** The Chief of Naval Operations has directed the claimants to implement the DOD diversion goal. Table 4 shows each claimant with their corresponding 2002 integrated solid waste management cost avoidance (ISWMCA) and diversion rate. To meet the goal, the ISWMCA should be positive (or neutral), and the diversion rate should be at least 40%.

Six claimants have achieved the goal for 2002: Naval Air Systems Command (NAVAIR); Commander U.S. Naval Forces Europe (NAVEUR), Naval Sea Systems Command (NAVSEA); Naval Systems Management (NAVSYSMGT); Naval Reserve Forces (NVRESFOR); and Commander U.S. Pacific Fleet (PACFLT). The overall Navy diversion percentage and ISWMCA is shown at the bottom of Table 4.

**Other Select Waste (OSW).** OSW collects recycling and disposal information for construction and demolition waste; used motor oil; waste ethylene glycol based antifreeze; and waste lead acid batteries. Prior to 1999 construction and demolition debris (C&D) was collected with the municipal solid waste. Though these wastes can be either

<b>Claimant</b>	<b>ISWMCA (\$)</b>	<b>Diversion (%)</b>
<b>BUMED</b>	15,021	22
<b>CNO (FSA)</b>	514,402	25
<b>LANTFLT</b>	2,606,171	36
<b>NAVAIR</b>	1,147,978	79
<b>NAVEUR</b>	1,178,620	42
<b>NAVSEA</b>	1,485,914	40
<b>NAVSECGR</b>	10,943	16
<b>NAVSYSMGT</b>	12,277	54
<b>NETC</b>	2,528,444	38
<b>NVRESFOR</b>	235,006	72
<b>PACFLT</b>	16,026,633	60
<b>SPAWAR</b>	4,184	31
<b>NAVY TOTAL</b>	\$25,265,537	49%

**Table 4, Navy Claimant Diversion Performance**



hazardous or non-hazardous depending upon state or local laws, they are counted toward the Department of Defense Solid Waste Measures of Merit. Because of its nature, there are many vendors available to recycle OSW waste. If Navy installation solid waste managers take advantage of this, overall diversion rates should increase. OSW data for this year shows an increase in recycling percentages. Table 5 shows 2002 OSW disposal, recycling, and diversion figures. OSW represents 543,370 tons of the 1,108,057 tons generated or 49% of the waste the Navy generates. C&D alone represents 48% of Navy generation for 2002.

Other Select Waste	Disposal (Tons)	Disposal Cost (\$)	Recycle (Tons)	Revenues (\$)	Recycling Cost (\$)	Diversion Rate (%)
C&D	172,083	2,769,766	360,669	403,871	904,083	68
Oils	1,566	204,399	7,036	349,359	499,066	82
Antifreeze	164	139,486	184	79,434	35,182	53
Batteries	43	45,102	1,625	32,422	85,009	97
<b>Navy Totals</b>	<b>173,856</b>	<b>\$3,158,752</b>	<b>369,514</b>	<b>\$865,086</b>	<b>\$1,523,340</b>	<b>68%</b>

**Table 5, Other Select Waste**

The Navy 2002 diversion rate for OSW is 68%. The individual diversion rates for OSW were all respectable. The diversion rate for construction and demolition debris is a very good 68%. This is significant because C&D comprises 98% of OSW. C&D diversion remained consistent with last year.

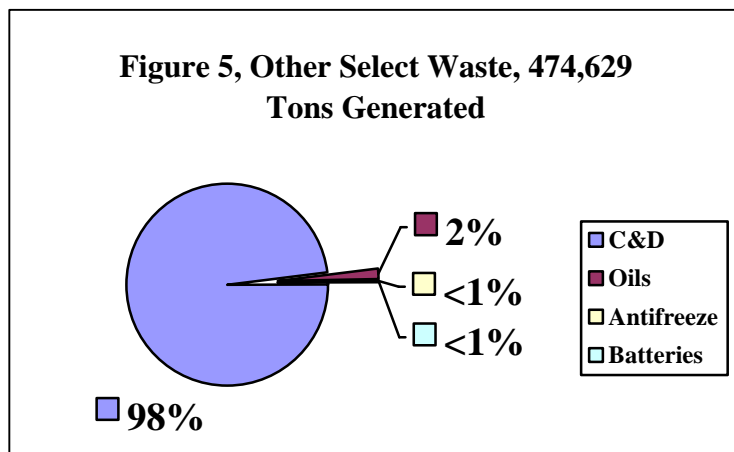


Figure 5 illustrates the amount of C&D compared to the other OSW components. The lead acid battery diversion rate is 97%. The antifreeze diversion rate has decreased to 53% from last year's rate of 57%. The oil diversion rate has increased to 82% from last year's rate of 43%.

Construction and demolition will continue to be a challenge in waste diversion. If NAVFAC Guide Specification (NFGS 1572), Construction Waste Management, is used for construction and renovation jobs,

the diversion rate for C&D will continue to rise to help the Navy meet the DOD diversion rate.

**Claimant Solid Waste Totals.** The tables in Section 2 show detailed claimant data for cost, revenues, tonnage for landfilling, incineration, composting, recycling, and other select waste.

**Claimant and Installation Summaries.** Section 4 provides additional reports that list the claimant's and their installation totals for Calendar Year 2002. The reports list the solid waste totals for each installation, which includes operations, installations, and summary for other select waste.

**SECTION 2 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS SUMMARY  
BY CLAIMANT**

	Landfilled		Incinerated		Composted *		Recycled			SW + OSW	
	Tons	Cost	Tons	Cost	Tons	Cost	Tons	Cost	Revenue	ISWMCA	Percent
<b>BUMED</b>	5,840	\$878,602	1,148	\$136,005	180	\$84,000	2,137	\$58,482	\$17,112	(\$15,021)	22%
<b>CNO FSA</b>	15,031	\$1,304,629	16	\$3,888	650	\$18,400	8,615	\$676,000	\$445,250	\$514,402	25%
<b>LANTFLT</b>	87,985	\$9,350,272	4,920	\$528,434	9,082	\$68,553	30,171	\$2,307,561	\$1,218,068	\$2,606,171	36%
<b>NAVAIR</b>	9,331	\$961,288	0	0	106	0	5,348	\$770,290	\$258,855	\$1,147,978	79%
<b>NAVEUR</b>	16,569	\$1,014,118	3,329	\$438,644	0	0	5,461	\$412,532	\$142,996	\$1,178,620	42%
<b>NAVSEA</b>	14,886	\$2,192,797	10,519	\$618,112	37	\$22,144	13,253	\$936,025	\$1,152,193	\$1,485,914	40%
<b>NAVSECGR</b>	378	\$55,305	113	\$13,986	7	0	83	\$624	\$4,041	\$10,943	16%
<b>NAVSYSMGT</b>	364	\$15,304	123	\$12,346	353	\$4,830	625	\$7,717	0	\$12,277	54%
<b>NETC</b>	47,062	\$2,868,763	0	0	1,500	\$35,048	10,928	\$528,173	\$295,648	\$2,528,444	38%
<b>NVRESFOR</b>	9,388	\$519,869	638	\$56,475	120	0	4,364	\$220,334	\$97,368	(\$235,006)	72%
<b>PACFLT</b>	132,144	\$9,534,877	31,864	\$6,904,081	15,490	\$227,336	63,340	\$3,858,400	\$5,066,332	\$16,026,633	60%
<b>SPAWAR</b>	731	\$117,950	93	\$116,724	78	\$5,535	288	0	0	\$4,184	31%
<b>NAVY TOTAL:</b>	<b>339,709</b>	<b>\$28,813,773</b>	<b>52,763</b>	<b>\$8,828,694</b>	<b>27,603</b>	<b>\$465,846</b>	<b>144,613</b>	<b>\$9,776,139</b>	<b>\$8,697,863</b>	<b>\$25,265,537</b>	<b>49%</b>

\* No Composted Revenues reported this year.

**SECTION 2 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION PROGRAMS  
BY CLAIMANT**

	SWMP LANDFILL QRP			QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
BUMED	5	0	4	2,088	\$17,112.18	\$53,482.00	(\$36,370)
CNO FSA	4	0	4	7,903	\$445,250.00	\$592,200.00	(\$146,950)
LANTFLT	17	2	16	22,562	\$1,165,165.46	\$2,056,321.88	(\$891,156)
NAVAIR	4	0	3	5,269	\$258,855.23	\$770,290.28	(\$511,435)
NAVEUR	6	0	5	2,387	\$23,727.00	\$196,750.66	(\$173,024)
NAVSEA	11	1	5	1,994	\$330,968.31	\$252,328.00	\$78,640
NAVSECGR	2	0	2	78	\$4,041.00	\$624.00	\$3,417
NAVSYSMGT	1	0	0	0	0	0	0
NETC	8	0	8	8,169	\$270,222.47	\$494,343.46	(\$224,121)
NVRESFOR	5	0	5	4,364	\$97,367.82	\$212,233.60	(\$114,866)
PACFLT	28	2	25	27,206	\$2,025,280.60	\$3,167,362.00	(\$1,142,081)
SPAWAR	1	0	0	0	0	0	0
<b>NAVY TOTALS:</b>	92	5	77	82,019	\$4,637,990.07	\$7,795,935.88	(\$3,157,946)

**SECTION 2 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
BY CLAIMANT**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost</b>	<b>Recycled Tons</b>	<b>Recycled Cost</b>	<b>Recycle Revenues</b>	<b>OSW ISWMCA</b>	<b>OSW % Diversion</b>
BUMED	Antifreeze	0.43	\$228	2.95	\$1,200	0		
	C&D	8,757.40	\$99,616	2,068.37	\$21,333	0		
	Lead-Acid Batteries	0.02	\$54	8.13	\$137	0		
	Oils	0.99	\$447	2.35	0	0		
	<b>BUMED TOTALS</b>	<b>8,758.84</b>	<b>\$100,345</b>	<b>2,081.79</b>	<b>\$22,670</b>	<b>0</b>	<b>\$14,489</b>	<b>19.20%</b>
CNO FSA	Antifreeze	4.81	\$25,288	14.85	\$584	0		
	C&D	26,454.60	\$647,399	4,339.70	\$61,641	\$44,605		
	Lead-Acid Batteries	0	0	49.01	\$2,688	\$1,715		
	Oils	0	0	285.12	\$16,192	\$1,110		
	<b>CNO FSA TOTALS</b>	<b>26,157.41</b>	<b>\$672,687</b>	<b>4,688.68</b>	<b>\$81,105</b>	<b>\$47,430</b>	<b>\$192,981</b>	<b>15.20%</b>
LANTFLT	Antifreeze	60.83	\$28,944	72.32	\$6,369	\$60,455		
	C&D	73,166.02	\$525,828	51,162.84	\$334,196	\$340,000		
	Lead-Acid Batteries	23.05	\$35,218	574.81	\$4,485	\$18,655		
	Oils	1,058.87	\$56,632	1,718.34	\$87,807	\$220,059		
	<b>LANTFLT TOTALS</b>	<b>74,308.77</b>	<b>\$646,621</b>	<b>53,528.31</b>	<b>\$432,857</b>	<b>\$639,169</b>	<b>\$2,056,295</b>	<b>41.87%</b>
NAVAIR	Antifreeze	3.33	0	13.20	0	0		
	C&D	2,595.00	0	38,187.91	\$32,378	\$10,321		
	Lead-Acid Batteries	2.83	0	30.75	0	\$37		
	Oils	11.00	0	106.58	0	0		
	<b>NAVAIR TOTALS</b>	<b>2,612.16</b>	<b>0</b>	<b>38,338.44</b>	<b>\$32,378</b>	<b>\$10,358</b>	<b>\$1,429,277</b>	<b>93.62%</b>
NAVEUR	Antifreeze	1.04	\$791	4.40	\$2,305	\$15,405		
	C&D	8,751.00	\$15,109	15,206.83	\$550	0		
	Lead-Acid Batteries	0	0	85.49	0	\$6,617		
	Oils	0	0	181.95	\$1,532	\$66,427		
	<b>NAVEUR TOTALS</b>	<b>8,752.04</b>	<b>\$15,900</b>	<b>15,478.67</b>	<b>\$4,387</b>	<b>\$88,449</b>	<b>\$1,130,080</b>	<b>63.88%</b>

**SECTION 2 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
BY CLAIMANT**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost</b>	<b>Recycled Tons</b>	<b>Recycled Cost</b>	<b>Recycle Revenues</b>	<b>OSW ISWMCA</b>	<b>OSW % Diversion</b>
NAVSEA	Antifreeze	18.80	\$7,736	3.45	\$2,994	\$420		
	C&D	13,650.72	\$175,448	13,004.61	\$138,049	\$7,450		
	Lead-Acid Batteries	0.04	\$950	131.78	\$25,925	\$661		
	Oils	130.83	\$24,548	101.61	\$46,566	\$1,333		
	<b>NAVSEA TOTALS</b>	<b>13,800.40</b>	<b>\$208,682</b>	<b>13,241.45</b>	<b>\$213,533</b>	<b>\$9,863</b>	<b>\$369,817</b>	<b>48.97%</b>
NAVSECGR	Antifreeze	0	\$355	1.42	0	0		
	C&D	16.00	0	4.00	0	0		
	Lead-Acid Batteries	0	0	0.50	0	0		
	Oils	0.74	\$705	2.10	0	0		
	<b>NAVSECGR TOTALS</b>	<b>16.74</b>	<b>\$1,060</b>	<b>8.02</b>	<b>0</b>	<b>0</b>	<b>\$521</b>	<b>32.39%</b>
NAVSYSMGT	C&D	500.37	\$8,329	188.00	\$6,658	0		
	Lead-Acid Batteries	0.05	\$69	0	0	0		
	Oils	1.81	\$187	0	0	0		
	<b>NAVSYSMGT TOTALS</b>	<b>502.23</b>	<b>\$8,584</b>	<b>188.00</b>	<b>\$6,658</b>	<b>0</b>	<b>(\$1,582)</b>	<b>27.24%</b>
NETC	Antifreeze	4.77	\$4,432	14.51	\$2,394	0		
	C&D	21,586.96	\$484,869	29,563.84	\$43,672	0		
	Lead-Acid Batteries	1.30	\$1,364	54.19	\$5,500	\$3,073		
	Oils	114.20	0	291.91	\$7,493	\$9,871		
	<b>NETC TOTALS</b>	<b>21,707.23</b>	<b>\$490,666</b>	<b>29,924.45</b>	<b>\$59,058</b>	<b>\$12,943</b>	<b>\$16,205</b>	<b>57.96%</b>
NVRESFOR	Antifreeze	4.41	\$10,124	3.00	\$1,361	0		
	C&D	313.33	\$186,853	20,932.53	\$185,931	0		
	Lead-Acid Batteries	0	0	13.06	0	\$396		
	Oils	0	0	557.17	\$40,327	\$12,294		
	<b>NVRESFOR TOTALS</b>	<b>317.74</b>	<b>\$196,976</b>	<b>21,505.76</b>	<b>\$227,619</b>	<b>\$12,690</b>	<b>\$1,381,577</b>	<b>98.54%</b>

**SECTION 2 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
BY CLAIMANT**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost</b>	<b>Recycled Tons</b>	<b>Recycled Cost</b>	<b>Recycle Revenues</b>	<b>OSW ISWMCA</b>	<b>OSW % Diversion</b>
PACFLT	Antifreeze	65.47	\$61,588	54.13	\$17,976	\$3,154		
	C&D	16,593.10	\$626,316	186,010.66	\$79,676	\$1,495		
	Lead-Acid Batteries	15.34	\$7,245	676.36	\$45,864	\$1,269		
	Oils	247.74	\$121,881	3,786.79	\$297,110	\$38,266		
	<b>PACFLT TOTALS</b>	<b>16,921.65</b>	<b>\$817,031</b>	<b>190,527.94</b>	<b>\$440,626</b>	<b>\$44,183</b>	<b>\$8,133,104</b>	<b>91.84%</b>
SPAWAR	Lead-Acid Batteries	0.10	\$201	0.47	\$410	0		
	Oils	0	0	2.30	\$2,040	0		
	<b>SPAWAR TOTALS</b>	<b>0.10</b>	<b>\$201</b>	<b>2.77</b>	<b>\$2,450</b>	<b>0</b>	<b>(\$2,359)</b>	<b>96.52%</b>
<b>NAVY TOTAL:</b>		<b>173,855.29</b>	<b>\$3,158,752</b>	<b>369,514.28</b>	<b>\$1,523,340</b>	<b>\$865,086</b>	<b>\$14,720,407</b>	<b>68.00%</b>

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### **SECTION 3**

## **CY02 AFFIRMATIVE PROCUREMENT PROGRAM SUMMARY**

OPNAVINST 5090.1B requires Navy installations and government owned contractor operated (GOCO) facilities worldwide that generate one or more tons of solid waste per day to report Affirmative Procurement Program (APP) information. This is the first year this data has been reported.

Of the 106 installations that reported, 74 or 70%, have updated, improved, or instituted a solid waste management plan, pollution prevention plan, waste reduction project, recycling project, or other project that reduced waste. Ninety-two percent reported that they have a recycling program in the office or administrative spaces. Also, 83% of the installations reported recycling in residential areas. Construction projects only included recycling construction and demolition debris in 2,920 out of 3,808 projects.

Approximately 50% of the installations have an APP plan, however, many installations are preparing plans. Of the 7,221 acquisition personnel only 337, or 5% have attended training in the last three years. Of the 8,295 purchase cardholders, however, 40% have received APP training.

Of the 106 installations reporting only 34, or 32% have conducted environmental compliance audits/inspections of their APP during this reporting period.



**SECTION 3 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM SUMMARY  
BY CLAIMANT**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
<b>BUMED</b>													
4	5	4	54	40	2	76	10	639	53	2	2	1	0
<b>CNO (FSA)</b>													
5	5	4	21	20	1	43	15	2,893	405	0	4	2	1
<b>LANTFLT</b>													
16	20	20	247	203	8	2,256	56	1,045	893	6	13	11	6
<b>NAVAIR</b>													
1	4	4	414	33	2	1,246	0	917	904	3	2	2	1
<b>NAVEUR</b>													
6	6	4	149	8	2	40	30	357	263	3	3	3	3
<b>NAVSEA</b>													
10	12	6	2295	2109	3	3,187	11	1,323	4	7	5	5	1
<b>NAVSECGR</b>													
1	2	1	4	3	0	8	6	22	6	0	2	2	1
<b>NAVSYSMGT</b>													
1	1	1	20	20	1	4	2	20	20	0	1	1	0
<b>NETC</b>													
5	9	10	66	37	7	123	80	322	251	3	6	6	5
<b>NVRESFOR</b>													
3	5	5	17	17	4	39	30	174	148	3	1	1	0
<b>PACFLT</b>													
21	29	28	521	430	20	199	97	583	409	7	20	20	10
<b>SPAWAR</b>													
1	1	1	0	0	1	0	0	0	0	0	1	1	1
<b>NAVY TOTAL:</b>													
74	99	88	3,808	2,920	51	7,221	337	8,295	3,356	34	60	55	29

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 6.
2. Number of installations with a Pollution Prevention Plan: 6.
3. Total hazardous waste disposal cost: \$154,875.
4. Number of RCRA Subtitle C permits held by installations: 1.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 3.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	3.21	0	0	0	0	0	3.21
EP	0	0	0	0	0	0	0
ES	30.49	.58	0	.82	0	0	30.25
FC	33.03	3.25	0	5.29	0	1.83	29.16
FP	29.38	.95	0	0.47	0	0	29.86
MX	0	0	0	0	0	0	0
NR	30.88	0.14	0	0.48	0	0	30.53
PD	11.51	0.01	0	0.47	0	0	11.05
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>138.50</b>	<b>4.92</b>	<b>0</b>	<b>7.53</b>	<b>0</b>	<b>1.83</b>	<b>134.06</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 6.
2. Number of installations with a Solid Waste Management Plan (SWMP): 5.
3. Number of installations with a Qualified Recycling Program (QRP): 4  
 Total Annual QRP Tons Recycled: 1,929  
 Total Annual QRP Costs: \$83,500.00  
 Total Annual QRP Revenues: \$15,646.49
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	5,840	878,602	N/A
Incinerated	1,148	136,005	0
Composted	180	84,000	0
Recycled	*2,137	58,482	17,112

7. Solid waste recycled summary by category (tons):

Food	29
Glass	27
Metals	139
Other Non-Food	10
Paper	1,149
Plastic	7
Wood	77
Yard/Green Waste	697
Total Tons Recycled	*2,135

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	8,757.40	99,616	2,068.37	21,333	0
Oils	0.99	447	2.35	0	0
Antifreeze	0.43	228	2.95	1,200	0
Lead-Acid Batteries	0.02	54	8.13	137	0

9. Solid wastes and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

**Section 4, Affirmative Procurement Program (APP) Summary.** See summary and backup information in Section 0.

1. Number of installations reporting: 6.
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 4
3. Number of installations with a recycling program for office/administrative spaces: 5
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 4
5. Number of construction and demolition (C&D) projects started during the CY02: 54
  - A. Number of projects that include recycling of C&D debris: 40
6. Number of installations that have an APP plan or instruction: 2
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 76
  - B. Number who received documented APP training within the last three years: 10
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 639
  - B. Number who received documented APP training within the last three years: 53
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 2
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 2
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 1
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 0
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**BUREAU OF MEDICINE AND SURGERY (BUMED)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NATNAVMEDCEN BETHESDA	35	18	13	32	44	115	109	33	24	38	30
NAVHOSP BEAUFORT	2	13	2	27	42	10	18	105	14	3	2
NAVHOSP BREMERTON	6	6	8	15	14	8	12	14	7	8	23
NAVHOSP GUAM	0	6	8	4	9	6	3	0	5	6	2
NAVMEDCEN PORTSMOUTH	6	0	6	29	14	23	15	34	18	19	18
NAVMEDCEN SAN DIEGO	11	39	87	62	29	61	32	36	32	503	59
<b>BUMED TOTAL:</b>	<b>61</b>	<b>83</b>	<b>123</b>	<b>170</b>	<b>152</b>	<b>223</b>	<b>188</b>	<b>222</b>	<b>101</b>	<b>576</b>	<b>134</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NATNAVMEDCEN BETHESDA	Yes	No	1	\$40,214	30
NAVHOSP BEAUFORT	Yes	No	0	\$1,925	2
NAVHOSP BREMERTON	Yes	Yes	0	\$53,661	23
NAVHOSP GUAM	Yes	Yes	0	\$4,309	2
NAVMEDCEN PORTSMOUTH	Yes	No	0	\$8,896	23
NAVMEDCEN SAN DIEGO	Yes	Yes	0	\$45,869	59
<b>BUMED TOTAL:</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>\$154,875</b>	<b>139</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**BUREAU OF MEDICINE AND SURGERY (BUMED)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NATNAVMEDCEN BETHESDA	30	3	3	0	0	2	29	30
NAVHOSP BEAUFORT	2	0	0	0	0	1	1	2
NAVHOSP BREMERTON	23	0	0	0	0	0	23	23
NAVHOSP GUAM	2	0	0	0	0	0	2	2
NAVMEDCEN PORTSMOUTH	23	1	5	0	2	0	18	18
NAVMEDCEN SAN DIEGO	59	0	0	0	0	1	58	59
<b>BUMED TOTAL:</b>	<b>139</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>130</b>	<b>134</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS SUMMARY  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCA (\$)	Diversion
<b>N00168 NATNAVMEDCEN BETHESDA</b>	2,149	205,326	0	0	180	84,000	1,546	52,782	0	-60,838	45%	-46,343	50%
<b>N00183 NAVMEDCEN PORTSMOUTH</b>	0	0	1,148	136,005	0	0	182	0	12,952	15,012	14%	16,612	16%
<b>N00259 NAVMEDCEN SAN DIEGO</b>	1,477	0	0	0	0	0	216	0	3,910	12,982	13%	12,982	13%
<b>N61337 NAVHOSP BEAUFORT</b>	1,650	577,050	0	0	0	0	145	700	250	4,625	8%	4,625	8%
<b>N68084 NAVHOSP CHARLESTON SC</b>	353	50,977	0	0	0	0	0	0	0	0	0%	0	0%
<b>N68095 NAVHOSP BREMERTON</b>	211	45,249	0	0	0	0	48	5,000	0	-2,424	19%	-2,897	23%
<b>BUMED TOTAL:</b>	<b>5,840</b>	<b>\$878,602</b>	<b>1,148</b>	<b>\$136,005</b>	<b>180</b>	<b>\$84,000</b>	<b>2,137</b>	<b>\$58,482</b>	<b>\$17,112</b>	<b>(\$30,642)</b>	<b>25%</b>	<b>(\$15,021)</b>	<b>22%</b>



**SECTION 4 BACKUP DATA  
CY02 P2ADS SOLID WASTE INSTALLATION  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS	
				TONS	REVENUES	COST		
N00168 NATNAVMEDCEN BETHESDA	Yes	No	Yes	1,546	0	\$52,782.00	(\$52,782)	
N00183 NAVMEDCEN PORTSMOUTH	Yes	No	Yes	182	\$12,952.21	0	\$12,952	
N00259 NAVMEDCEN SAN DIEGO	Yes	No	Yes	215	\$3,909.97	0	\$3,910	
N61337 NAVHOSP BEAUFORT	Yes	No	Yes	145	\$250.00	\$700.00	(\$450)	
N68084 NAVHOSP CHARLESTON SC	Yes	No	No	0	0	0	0	
N68095 NAVHOSP BREMERTON	No	No	No	0	0	0	0	
<b>CLAIMANT TOTALS:</b>		5	0	4	2,088	\$17,112.18	\$53,482.00	(\$36,370)

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues (\$)	OSW ISWMCA(\$)	OSW % Diversion
N00168 NATNAVMEDCEN BETHESDA							
C&D	0	0	392.62	2,791	0		
Oils	0	0	0.25	0	0		
	<b>0</b>	<b>0</b>	<b>392.87</b>	<b>\$2,791</b>	<b>0</b>	<b>\$14,495</b>	<b>100%</b>
N00183 NAVMEDCEN PORTSMOUTH							
C&D	8,748.00	99,125	1,661.00	18,450	0		
Lead-Acid Batteries	0	0	7.88	0	0		
Antifreeze	0	0	0.15	0	0		
Oils	0	0	2.10	0	0		
	<b>8,748.00</b>	<b>\$99,125</b>	<b>1,671.12</b>	<b>\$18,450</b>	<b>0</b>	<b>\$467</b>	<b>16%</b>
N61337 NAVHOSP BEAUFORT							
Lead-Acid Batteries	0.02	54	0	0	0		
C&D	4.50	160	0	0	0		
	<b>4.52</b>	<b>\$214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N68095 NAVHOSP BREMERTON							
Antifreeze	0.43	228	2.80	1,200	0		
Oils	0.99	447	0	0	0		
Lead-Acid Batteries	0	0	0.25	137	0		
C&D	4.90	331	14.75	92	0		
	<b>6.32</b>	<b>\$1,006</b>	<b>17.80</b>	<b>\$1,429</b>	<b>0</b>	<b>(\$473)</b>	<b>74%</b>
<b>BUMED TOTAL:</b>	<b>8,758.84</b>	<b>\$100,345</b>	<b>2,081.79</b>	<b>\$22,670</b>	<b>0</b>	<b>\$14,489</b>	<b>19%</b>

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
BUREAU OF MEDICINE AND SURGERY (BUMED)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel Trained	Personnel Trained	Personnel Trained	Audited	Reported	Tracked	Affect	
N00168	NATNAVMEDCEN BETHESDA												
Yes	Yes	Yes	3	3	Yes	12	3	347	29	No	No	No	No
N00183	NAVMEDCEN PORTSMOUTH												
Yes	Yes	No	0	0	No	21	0	90	0	Yes	No	No	No
N00259	NAVMEDCEN SAN DIEGO												
Yes	Yes	Yes	31	25	No	33	0	135	0	No	Yes	Yes	No
N61337	NAVHOSP BEAUFORT												
Yes	Yes	Yes		0	Yes	3	3	9	9	No	No	No	No
N68084	NAVHOSP CHARLESTON SC												
No	Yes	Yes	0	0	No	4	4	21	15	No	Yes	No	No
N68095	NAVHOSP BREMERTON												
No	No	No	20	12	No	3	0	37	0	Yes	No	No	No

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**BUMED SUMMARY**

# of Installations with updated plans:	4	# of Acquisition Personnel:	76
# of Installations with office recycling program:	5	Acquisition Personnel trained in last 3 years:	10
# of Installations housing recycling programs:	4	# of Purchase Card Holders:	639
# of C&D projects started:	54	Purchase Card Holders trained in last 3 years:	53
C&D projects that include recycling:	40	# of Installations with Audits conducted in the last year:	2
# of Installations with a AP Plan or Instruction:	2	# of installations with Audit findings reported to senior levels:	2
		# of installation with Audit findings tracked by senior levels:	1
		# of Installation that assessed effectiveness of audits:	

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
CNO FIELD SUPPORT ACTIVITY (CNO FSA)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 5.
2. Number of installations with a Pollution Prevention Plan: 5.
3. Total hazardous waste disposal cost: \$1,407,606.
4. Number of RCRA Subtitle C permits held by installations: 2.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 2.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	0	4.17	0	0	0	0	4.17
EP	0	0	0	0	0	0	0
ES	78.89	0.66	0	3.19	0	0	76.36
FC	17.51	0.01	0	1.82	0	0	15.70
FP	224.51	14.26	0	16.79	0	9.25	212.74
MX	0	0	0	0	0	0	0
NR	220.78	1.81	0	0.33	0	0	222.26
PD	19.80	1.57	0	2.28	0	0	19.08
SP	981.41	7.35	0	17.39	0	82.72	888.64
<b>Total</b>	<b>1542.89</b>	<b>29.84</b>	<b>0</b>	<b>41.80</b>	<b>0</b>	<b>91.97</b>	<b>1,438.96</b>

**Process code definition:**

- |  |  |
|--|--|
| <b>BD.</b> Bilge/tank cleaning & derusting               | <b>MX.</b> Munitions and explosives              |
| <b>CP.</b> Chemical paint stripping                      | <b>NR.</b> Non-recurring                         |
| <b>EP.</b> Plating shop waste                            | <b>PD.</b> Painting/depainting/surface finishing |
| <b>ES.</b> Expired shelf life/excess materials, non-ship | <b>SP.</b> Ship operations                       |
| <b>FC.</b> Fluids changeout                              |  |
| <b>FP.</b> Facilities operations                         |  |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
CNO FIELD SUPPORT ACTIVITY (CNO FSA)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 5
2. Number of installations with a Solid Waste Management Plan (SWMP): 4.
3. Number of installations with a Qualified Recycling Program (QRP): 4.  
 Total Annual QRP Tons Recycled: 7,903  
 Total Annual QRP Costs: \$592,200.00  
 Total Annual QRP Revenues: \$445,250.00
4. Number of installations with composting facilities: 1.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	15,031	1,304,629	N/A
Incinerated	16	3,888	0
Composted	650	18,400	0
Recycled	*8,615	676,000	445,250

7. Solid waste recycled summary by category (tons):

Food	204
Glass	70
Metals	2,772
Other Non-Food	803
Paper	3,793
Plastic	84
Wood	474
Yard/Green Waste	415
<b>Total Tons Recycled</b>	<b>*8,615</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	26,152.60	647,399	4,339.70	61,641	44,605
Oils	0	0	285.12	16,192	1,110
Antifreeze	4.81	25,288	14.85	584	0
Lead-Acid Batteries	0	0	49.01	2,688	1,715

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
CNO FIELD SUPPORT ACTIVITY (CNO FSA)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 5.
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 5
3. Number of installations with a recycling program for office/administrative spaces: 5
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 4
5. Number of construction and demolition (C&D) projects started during the CY02: 21  
Number of projects that include recycling of C&D debris: 20
6. Number of installations that have an APP plan or instruction: 1
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 43
  - B. Number who received documented APP training within the last three years: 15
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 2893
  - B. Number who received documented APP training within the last three years: 405
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 0
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 4
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 2
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 1
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**CNO FIELD SUPPORT ACTIVITY (CNO FSA)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAVSUPPACT BAHRAIN	0	0	0	0	99	300	301	77	127	829	1,031
COMNAV DIST WASHINGTON DC	49	38	62	41	130	204	746	557	1,408	88	114
NAF WASHINGTON	32	39	26	12	8	7	0	0	0	0	0
NAVOBSY WASHINGTON	6	155	21	4	7	29	7	8	4	0	0
NAVSECSTA WASHINGTON DC	5	0	2	1	0	0	0	8	0	0	0
NAVSUPPACT MID SOUTH MEMPHIS	85	51	104	207	133	145	34	11	21	61	178
NAVSUPPACT MONTEREY CA	183	101	405	140	141	284	4,480	51	24	0	0
USNA ANNAPOLIS	73	74	98	114	125	64	60	142	44	42	10
<b>CNO FSA TOTAL:</b>	<b>433</b>	<b>459</b>	<b>719</b>	<b>520</b>	<b>642</b>	<b>1,034</b>	<b>5,629</b>	<b>854</b>	<b>1,627</b>	<b>1,020</b>	<b>1,333</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
CNO FIELD SUPPORT ACTIVITY (CNO FSA)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAVSUPPACT BAHRAIN	Yes	No	0	\$960,898	1,143
COMNAVDIST WASHINGTON	Yes	No	0	\$257,616	110
NAVSUPPACT MID-SOUTH	Yes	Yes	1	\$74,800	178
NRL WASHINGTON	Yes	No	1	\$105,000	98
USNA ANNAPOLIS	Yes	Yes	0	\$9,292	14
<b>CNO FSA TOTAL:</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>\$1,407,606</b>	<b>1,543</b>



**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
 CNO FIELD SUPPORT ACTIVITY (CNO FSA)  
 (Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NAVSUPPACT BAHRAIN	1,143	12	32	0	92	719	313	1,031
COMNAVDIST WASHINGTON DC	110	9	5	0	0	13	100	114
NAVSUPPACT MID-SOUTH	178	0	0	0	0	2	177	178
NRL WASHINGTON	98	8	0	0	0	0	106	106
USNA ANNAPOLIS	14	0	4	0	0	0	10	10
<b>CNO FSA TOTAL:</b>	<b>1,543</b>	<b>30</b>	<b>42</b>	<b>0</b>	<b>92</b>	<b>733</b>	<b>706</b>	<b>1,439</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
CNO FIELD SUPPORT ACTIVITY**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCAs (\$)	Diversion
N00161 USNA ANNAPOLIS	3,101	387,824	0	0	261	7,500	1,304	233,743	52,803	-86,715	34%	-43,539	41%
N00171 COMNAVDIST WASHINGTON DC	4,252	287,403	0	0	0	0	4,852	205,000	330,708	489,608	53%	491,228	53%
N00173 NRL WASHINGTON	1,377	156,025	16	3,888	0	0	566	91,000	0	-60,436	29%	7,155	52%
N00639 NAVSUPPACT MEMPHIS	2,783	331,206	0	0	389	10,900	1,382	146,257	46,589	-56,871	39%	27,486	11%
N63005 NAVSUPPACT BAHRAIN	3,518	142,171	0	0	0	0	511	0	15,150	35,590	13%	32,072	18%
<b>CNO FSA TOTAL:</b>	<b>15,031</b>	<b>\$1,304,629</b>	<b>16</b>	<b>\$3,888</b>	<b>650</b>	<b>\$18,400</b>	<b>8,615</b>	<b>\$676,000</b>	<b>\$445,250</b>	<b>\$321,176</b>	<b>38%</b>	<b>\$514,402</b>	<b>23%</b>

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**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
CNO FIELD SUPPORT ACTIVITY**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			
				TONS	REVENUES	COST	PROFIT/LOSS
N00161 USNA ANNAPOLIS	Yes	No	Yes	1,559	\$52,803.00	\$240,943.00	(\$188,140)
N00171 COMNAVDIST WASHINGTON DC	Yes	No	Yes	4,852	\$330,708.00	\$205,000.00	\$125,708
N00173 NRL WASHINGTON	No	No	No	0	0	0	0
N00639 NAVSUPPACT MEMPHIS	Yes	No	Yes	981	\$46,589.00	\$146,257.00	(\$99,668)
N63005 NAVSUPPACT BAHRAIN	Yes	No	Yes	511	\$15,150.00	0	\$15,150
<b>CNO FSA TOTAL:</b>	4	0	4	7,903	\$445,250.00	\$592,200.00	(\$146,950)

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
CNO FIELD SUPPORT ACTIVITY**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00161	USNA ANNAPOLIS							
	Lead-Acid Batteries	0	0	5.35	0	0		
	Antifreeze	0	0	7.72	0	0		
	Oils	0	0	25.42	0	0		
	C&D	1,275.60	78,321	1,449.70	61,641	8,085		
		<b>1,275.60</b>	<b>\$78,321</b>	<b>1,488.19</b>	<b>\$61,641</b>	<b>\$8,085</b>	<b>\$43,176</b>	<b>54%</b>
N00171	COMNAVDIST WASHINGTON DC							
	C&D	41.00	3,635	0	0	0		
	Lead-Acid Batteries	0	0	17.05	0	341		
		<b>41.00</b>	<b>\$3,635</b>	<b>17.05</b>	<b>0</b>	<b>\$341</b>	<b>\$1,620</b>	<b>29%</b>
N00173	NRL WASHINGTON							
	C&D	302.00	0	1,230.00	0	0		
	Lead-Acid Batteries	0	0	2.00	0	0		
	Antifreeze	0	0	1.00	89	0		
	Oils	0	0	22.00	90	0		
		<b>302.00</b>	<b>0</b>	<b>1,255.00</b>	<b>\$179</b>	<b>0</b>	<b>\$67,591</b>	<b>81%</b>
N00639	NAVSUPPACT MEMPHIS							
	Lead-Acid Batteries	0	0	4.00	2,688	0		
	Antifreeze	0	0	1.00	495	0		
	Oils	0	0	15.00	200	38		
	C&D	24,534.00	565,443	1,660.00	0	36,520		
		<b>24,534.00</b>	<b>\$565,443</b>	<b>1,680.00</b>	<b>\$3,383</b>	<b>\$36,558</b>	<b>\$84,113</b>	<b>6%</b>
N63005	NAVSUPPACT BAHRAIN							
	Lead-Acid Batteries	0	0	20.61	0	1,374		
	Antifreeze	4.81	25,288	5.13	0	0		
	Oils	0	0	134.20	15,902	0		
	Oils	0	0	88.50	0	1,072		
		<b>4.81</b>	<b>\$25,288</b>	<b>248.44</b>	<b>\$15,902</b>	<b>\$2,446</b>	<b>(\$3,518)</b>	<b>98%</b>
<b>CNO FSA TOTAL:</b>		<b>26,157.41</b>	<b>\$672,687</b>	<b>4,688.68</b>	<b>\$81,105</b>	<b>\$47,430</b>	<b>\$191,981</b>	<b>12%</b>

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM SUMMARY  
CNO FIELD SUPPORT ACTIVITY**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel Trained	Personnel Trained	Personnel Trained	Audited	Reported	Tracked	Affect	
N00161	USNA ANNAPOLIS												
Yes	Yes	Yes	10	10	No	7	2	157	2	No	Yes	No	Yes
N00171	COMNAVDIST WASHINGTON DC												
Yes	Yes	Yes	0	0	No	0	0	112	112	No	Yes	Yes	No
N00173	NRL WASHINGTON												
Yes	Yes	No	3	3	Yes	33	13	2500	288	No	Yes	No	No
N00639	NAVSUPPACT MID-SOUTH MEMPHIS												
Yes	Yes	Yes	8	7	No	3	0	105	3	No	No	No	No
N63005	NAVSUPPACT BAHRAIN												
Yes	Yes	Yes	0	0	No	0	0	19	0	No	Yes	Yes	No

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**CNO (FSA) SUMMARY**

# of Installations with updated plans:	5	# of Acquisition Personnel:	43
# of Installations with office recycling program:	5	Acquisition Personnel trained in last 3 years:	15
# of Installations housing recycling programs:	4	# of Purchase Card Holders:	2893
# of C&D projects started:	21	Purchase Card Holders trained in last 3 years:	405
C&D projects that include recycling:	20	# of Installations with Audits conducted in the last year:	0
# of Installations with a AP Plan or Instruction:	1	# of installations with Audit findings reported to senior levels:	4
		# of installation with Audit findings tracked by senior levels:	2
		# of Installation that assessed effectiveness of audits:	1

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 20.
2. Number of installations with a Pollution Prevention Plan: 19.
3. Total hazardous waste disposal cost: \$6,048,244.
4. Number of RCRA Subtitle C permits held by installations: 12.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 18.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	775.43	0	0	0	0	0	775.43
CP	281.59	3.84	0	58.71	0	0	226.72
EP	54.26	1.98	7.95	14.21	0	0	34.07
ES	589.16	5.60	13.09	179.60	0	0	402.06
FC	457.71	21.13	25.55	18.37	0	0	434.93
FP	4,147.32	159.17	167.55	323.66	0	0	3,815.28
MX	10.26	0	2.22	0	0	0	8.04
NR	526.93	9.93	0	14.16	0	0	522.70
PD	1,795.88	70.32	3.78	514.42	0	0	1,348.00
SP	795.22	20.67	0.84	78.57	0	0.25	736.23
<b>Total</b>	<b>9,433.73</b>	<b>292.64</b>	<b>220.97</b>	<b>1,201.71</b>	<b>0</b>	<b>0.25</b>	<b>8,303.44</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 20.
2. Number of installations with a Solid Waste Management Plan (SWMP): 20.
3. Number of installations with a Qualified Recycling Program (QRP): 15.  
 Total Annual QRP Tons Recycled: 16,196  
 Total Annual QRP Costs: \$1,627,227.13  
 Total Annual QRP Revenues: \$1,107,788.94
4. Number of installations with composting facilities: 2.
5. Number of installations that have an active RCRA permitted landfill: 3.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	87,985	9,350,272	N/A
Incinerated	4,920	528,434	0
Composted	9,082	68,553	0
Recycled	*30,171	2,307,561	1,218,068

7. Solid waste recycled summary by category (tons):

Food	159
Glass	273
Metals	10,115
Other Non-Food	4,398
Paper	7,783
Plastic	119
Wood	1,537
Yard/Green Waste	5,791
Total Tons Recycled	*30,175

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	73,166.02	525,828	51,162.84	334,196	340,000
Oils	1,058.87	56,632	1,718.34	87,807	220,059
Antifreeze	60.83	28,944	72.32	6,369	60,455
Lead-Acid Batteries	23,05	35,218	574.81	4,485	18,655

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 20
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 16
3. Number of installations with a recycling program for office/administrative spaces: 20
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 20
5. Number of construction and demolition (C&D) projects started during the CY02: 247  
Number of projects that include recycling of C&D debris: 203
6. Number of installations that have an APP plan or instruction: 8
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 2256
  - B. Number who received documented APP training within the last three years: 56
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 1045
  - B. Number who received documented APP training within the last three years: 893
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 6
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 13
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 11
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 20
11. Affirmative Procurement Program success stories: See Appendix D.



**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

(Excluding IR and RC) in K pounds

	CY92	CY93	CY94	CY95	CY96	CY97	CY98	CY99	CY00	CY01	CY02
CBC GULFPORT	116	147	117	120	115	105	97	249	125	38	35
COMNAVBASE CHARLESTON SC	816	283	0	0	0	0	0	0	0	0	0
COMNAVREG MIDLANT NORFOLK VA	3,672	3,027	3,166	3,422	3,272	2,818	2,016	1,726	2,079	0	0
FISC CHEATHAM ANNEX	12	6	16	38	8	44	44	51	0	0	0
NAS BERMUDA	606	1,026	668	0	0	0	0	0	0	0	0
NAS BRUNSWICK	70	48	236	412	23	88	81	64	136	29	41
NAS JACKSONVILLE	1,493	3,065	1,596	2,825	3,653	3,310	3,219	3,079	3,003	2,051	3,161
NAS KEY WEST	30	87	77	87	64	26	38	36	20	26	25
NAS OCEANA	2,947	185	179	115	107	80	121	105	394	539	30
NAVPHIBASE LITTLE CREEK	357	327	344	352	228	223	155	154	133	891	87
NAVSTA GUANTANAMO BAY	110	148	80	107	277	419	556	195	42	135	550
NAVSTA INGLESIDE	6	627	1,663	588	1,047	360	1,142	4,668	646	2,401	1,013
NAVSTA MAYPORT	43	371	392	259	356	249	531	354	455	331	508
NAVSTA NEWPORT	370	2,759	2,641	432	1,429	145	2,760	231	91	78	98
NAVSTA NORFOLK	0	0	0	0	0	0	0	0	0	2,011	655
NAVSTA PANAMA CANAL RODMAN	11	17	49	32	58	34	26	0	0	0	0
NAVSTA PASCAGOULA	0	7	35	12	9	11	17	16	22	20	37
NAVSTA ROOSEVELT ROADS	770	911	821	113	436	301	449	634	348	185	167
NAVSTA WASHINGTON	0	0	0	0	97	103	15	12	27	0	0
NAVSUPACT PHILADELPHIA	0	4	1	3	3	24	18	12	30	19	8
NAVSUPSTA MECHANICSBURG	112	42	584	1,354	11	13	7	15	22	11	4
SIMA NRFM NEWPORT RI	15	16	0	0	0	0	0	0	0	0	0
SUBASE KINGS BAY	578	281	380	621	463	292	587	511	787	643	639

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
<b>SUBASE NEW LONDON</b>	681	243	879	328	583	787	1,472	768	561	991	917
<b>WPNSTA CHARLESTON SC</b>	382	125	38	45	65	190	209	127	127	97	71
<b>WPNSTA EARLE COLTS NECK</b>	9,778	16,00	40,472	11,643	17,094	233	439	228	401	211	228
<b>WPNSTA YORKTOWN</b>	552	171	279	272	160	72	80	98	594	75	28
<b>LANTFLT TOTAL:</b>	<b>23,529</b>	<b>29,927</b>	<b>54,715</b>	<b>23,182</b>	<b>29,557</b>	<b>9,926</b>	<b>14,078</b>	<b>13,335</b>	<b>10,045</b>	<b>10,783</b>	<b>8,303</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	<u>INSTALLATIONS</u>				
	WITH P2 PLANS IN PLACE	IMPLEMENTING CHRIMP	RCRA TSD PERMITS	HW MANAGEMENT COST	GENERATED KLBS
CBC GULFPORT	Yes	Yes	0	\$91,480	35
NAS BRUNSWICK	Yes	Yes	0	\$29,708	41
NAS JACKSONVILLE	Yes	Yes	1	\$1,596,748	3,420
NAS KEY WEST	Yes	Yes	1	\$33,356	34
NAS OCEANA	Yes	Yes	1	\$90,379	69
NAVPHIBASE LITTLE CREEK	Yes	Yes	0	\$146,356	145
NAVSTA GUANTANAMO BAY	Yes	Yes	0	\$684,822	545
NAVSTA INGLESIDE	Yes	Yes	0	\$290,954	1,013
NAVSTA MAYPORT	Yes	Yes	1	\$444,772	500
NAVSTA NEWPORT	Yes	Yes	0	\$84,019	99
NAVSTA NORFOLK	Yes	Yes	1	\$1,418,826	1,246
NAVSTA PASCAGOULA	Yes	Yes	0	\$25,302	37
NAVSTA ROOSEVELT ROADS	Yes	Yes	2	\$147,947	166
NAVSUPACT	No	No	0	\$7,585	8
NAVSUPACT PHILADELPHIA	Yes	No	0	\$4,500	8
SUBASE KINGS BAY	Yes	Yes	1	\$276,035	838
SUBASE NEW LONDON	Yes	Yes	1	\$170,197	911
WPNSTA CHARLESTON	Yes	Yes	1	\$287,785	64
WPNSTA EARLE COLTS NECK	Yes	Yes	1	\$175,445	225
WPNSTA YORKTOWN	Yes	Yes	1	\$42,029	28
<b>LANTFLT TOTAL:</b>	<b>19</b>	<b>18</b>	<b>12</b>	<b>\$6,048,244</b>	<b>9,434</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
CBC GULFPORT	35	0	0	0	0	35	0	35
NAS BRUNSWICK	41	0	0	0	0	0	41	41
NAS JACKSONVILLE	3,420	108	367	0	0	0	3,161	3,161
NAS KEY WEST	34	5	14	0	0	0	25	25
NAS OCEANA	69	0	39	0	0	0	30	30
NAVPHIBASE LITTLE CREEK	145	0	58	0	0	8	79	87
NAVSTA GUANTANAMO BAY	545	29	24	0	0	0	550	550
NAVSTA INGLESIDE	1,013	0	0	0	0	667	345	1,013
NAVSTA MAYPORT	500	34	25	0	0	0	508	508
NAVSTA NEWPORT	99	4	4	0	0	16	82	98
NAVSTA NORFOLK	1,246	0	591	0	0	6	649	655
NAVSTA PASCAGOULA	37	0	0	0	0	1	36	37
NAVSTA ROOSEVELT ROADS	166	3	1	0	0	0	167	167
NAVSUPACT MECHANICSBURG	8	0	4	0	0	0	4	4
NAVSUPACT PHILADELPHIA	8	0	0	0	0	3	5	8
SUBASE KINGS BAY	838	73	51	221	0	67	572	639
SUBASE NEW LONDON	911	21	15	0	0	415	502	917
WPNSTA CHARLESTON	64	12	5	0	0	11	60	71
WPNSTA EARLE COLTS NECK	225	5	3	0	0	6	222	228
WPNSTA YORKTOWN	28	0	0	0	0	0	28	28
<b>LANTFLT TOTAL:</b>	<b>9,434</b>	<b>293</b>	<b>1,202</b>	<b>221</b>	<b>0</b>	<b>1,237</b>	<b>7,067</b>	<b>8,303</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<b>SW Operations</b>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	<u>Cost (\$)</u> Avoided	<u>%</u> Diversion	<u>ISWMCA (\$)</u>	<u>Diversion</u>
N00129 SUBBASE NEW LONDON	379	14,500	2,705	160,300	0	0	1,255	41,613	7,480	116,467	29%	133,834	30%
N00207 NAS JACKSONVILLE	8,197	978,350	0	0	1,004	0	1,886	186,058	141,038	50,205	26%	377,759	47%
N00213 NAS KEY WEST	0	0	2,161	330,633	0	0	144	27,504	0	-16,848	6%	-7,045	5%
N00389 NAVSTA ROOSEVELT ROADS	4,655	571,517	6	3,135	888	50,000	245	84,900	5,413	-81,901	20%	-88,589	17%
N32411 NAVSTA NEWPORT	3,760	342,963	0	0	0	0	1,459	94,949	13,841	-863	28%	87,952	45%
N32414 NAVSUPSTA MECHANICSBURG	2,603	134,024	0	0	0	0	1,240	118,329	61,758	28,989	32%	82,813	35%
N32445 NAVSUPACT PHILADELPHIA	3,399	236,173	0	0	3	0	527	156,839	17,498	-102,506	13%	-79,792	28%
N42237 SUBBASE KINGS BAY	6,247	225,893	0	0	497	6,883	914	54,599	145,215	115,198	18%	119,413	20%
N60087 NAS BRUNSWICK	1,648	275,000	0	0	0	0	818	41,161	3,676	-675	33%	2,404	35%
N60191 NAS OCEANA	4,023	698,399	0	0	0	0	1,090	108,564	65,601	-9,718	21%	98,073	16%
N60201 NAVSTA MAYPORT	7,170	823,077	0	0	366	11,670	2,652	81,749	138,517	135,638	30%	129,204	32%
N60514 NAVSTA GUANTANAMO BAY	11,229	358,303	0	0	0	0	96	0	0	3,840	1%	-27,558	0%

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCA (\$)	Diversion
N61414 NAVPHIBASE LITTLE CREEK	3,754	700,826	0	0	0	0	3,178	394,340	95,012	-202,399	46%	-85,346	49%
N62604 CBC GULFPORT	3,401	193,083	0	0	0	0	490	48,258	61,305	25,297	13%	50,321	31%
N62688 NAVSTA NORFOLK	16,775	2,367,174	48	34,366	4,500	0	8,379	556,072	269,432	106,170	43%	1,066,436	64%
N68890 NAVSTA PASCAGOULA	251	58,176	0	0	0	0	113	8,968	6,039	1,535	31%	8,668	45%
N68891 NAVSTA INGLESIDE	1,376	163,000	0	0	0	0	417	75,000	19,355	-44,594	23%	18,590	33%
N69212 WPNSTA YORKTOWN	1,934	422,127	0	0	0	0	805	111,118	53,586	-32,980	29%	-31,679	30%
N69213 WPNSTA EARLE COLTS NECK	1,502	93,057	0	0	1,824	0	1,495	0	0	196,983	69%	204,334	69%
N69214 WPNSTA CHARLESTON	5,682	694,632	0	0	0	0	2,968	117,540	113,303	124,366	34%	546,379	63%
<b>LANTFLT TOTAL:</b>	<b>87,985</b>	<b>\$9,350,272</b>	<b>4,920</b>	<b>\$528,434</b>	<b>9,082</b>	<b>\$68,553</b>	<b>30,171</b>	<b>\$2,307,561</b>	<b>\$1,218,068</b>	<b>\$412,203</b>	<b>30%</b>	<b>\$2,606,171</b>	<b>36%</b>

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**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00129 SUBASE NEW LONDON	Yes	No	No	0	0	0	0
N00207 NAS JACKSONVILLE	Yes	No	Yes	1,669	\$102,557.50	\$6,058.56	\$96,499
N00213 NAS KEY WEST	Yes	No	No	0	0	0	0
N00389 NAVSTA ROOSEVELT ROADS	Yes	Yes	Yes	132	\$5,412.88	\$84,890.00	(\$79,477)
N32411 NAVSTA NEWPORT	Yes	No	Yes	1,459	\$13,841.09	\$94,949.25	(\$81,108)
N32414 NAVSUPSTA MECHANICSBURG	No	No	Yes	1,213	\$61,757.88	\$118,329.33	(\$56,571)
N32445 NAVSUPACT PHILADELPHIA	Yes	No	Yes	527	\$17,498.00	\$156,839.00	(\$139,341)
N42237 SUBASE KINGS BAY	No	Yes	Yes	914	\$145,215.00	\$54,599.00	\$90,616
N60087 NAS BRUNSWICK	Yes	No	Yes	673	\$3,676.00	\$41,161.05	(\$37,485)
N60191 NAS OCEANA	Yes	No	Yes	1,008	\$65,601.08	\$108,563.79	(\$42,963)
N60201 NAVSTA MAYPORT	Yes	No	Yes	2,370	\$138,517.34	\$81,749.18	\$56,768
N60514 NAVSTA GUANTANAMO BAY	Yes	Yes	No	0	0	0	0
N61414 NAVPHIBASE LITTLE CREEK	Yes	No	Yes	1,150	\$95,011.89	\$394,340.26	(\$299,328)
N62604 CBC GULFPORT	No	No	Yes	478	\$61,304.78	\$48,258.00	\$13,047
N62688 NAVSTA NORFOLK	Yes	No	Yes	8,379	\$269,432.42	\$556,071.58	(\$286,639)
N68890 NAVSTA PASCAGOULA	Yes	No	Yes	113	\$6,038.75	\$8,967.68	(\$2,929)
N68891 NAVSTA INGLESIDE	Yes	No	Yes	147	\$19,355.14	\$75,000.00	(\$55,645)
N69212 WPNSTA YORKTOWN	Yes	No	Yes	805	\$53,585.71	\$111,118.20	(\$57,532)
N69213 WPNSTA EARLE COLTS NECK	Yes	No	No	0	0	0	0
N69214 WPNSTA CHARLESTON	Yes	No	Yes	1,524	\$106,360.00	\$115,427.00	(\$9,067)
<b>LANTFLT TOTAL:</b>	<b>17</b>	<b>3</b>	<b>16</b>	<b>22,562</b>	<b>\$1,165,165.46</b>	<b>\$2,056,321.88</b>	<b>(\$891,156)</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues (\$)	OSW ISWMCA(\$)	OSW % Diversion
N00129 SUBASE NEW LONDON							
Lead-Acid Batteries	0	0	5.87	251	0		
Oils	0	0	37.08	136	0		
C&D	155.00	0	105.00	0	0		
	<b>155.00</b>	<b>0</b>	<b>147.95</b>	<b>\$387</b>	<b>0</b>	<b>\$17,367</b>	<b>49%</b>
N00207 NAS JACKSONVILLE							
C&D	4,787.70	103,781	8,970.00	7,908	0		
Oils	532.80	0	0	0	38,480		
Antifreeze	7.38	0	0.50	120	0		
Lead-Acid Batteries	0	0	18.09	0	929		
	<b>5,327.88</b>	<b>\$103,781</b>	<b>8,988.59</b>	<b>\$8,028</b>	<b>\$39,409</b>	<b>\$327,554</b>	<b>63%</b>
N00213 NAS KEY WEST							
C&D	3,092.00	15,150	0	0	0		
Lead-Acid Batteries	0	0	4.00	0	0		
Oils	0	0	131.00	0	0		
Antifreeze	0	0	1.00	261	0		
	<b>3,092.00</b>	<b>\$15,150</b>	<b>136.00</b>	<b>\$261</b>	<b>0</b>	<b>\$9,803</b>	<b>4%</b>
N00389 NAVSTA ROOSEVELT ROADS							
C&D	2,500.00	160,000	0	0	0		
Oils	393.10	44,648	357.90	19,648	0		
Antifreeze	0	0	2.33	2,268	0		
Lead-Acid Batteries	0	0	58.63	3,603	1,240		
	<b>2,893.10</b>	<b>\$204,648</b>	<b>418.86</b>	<b>\$25,520</b>	<b>\$1,240</b>	<b>(\$6,688)</b>	<b>13%</b>



**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues (\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N32411	NAVSTA NEWPORT							
	Lead-Acid Batteries	0.49	1,103	15.04	0	342		
	Antifreeze	0	0	1.58	1,797	0		
	Oils	0	0	109.42	7,492	0		
	C&D	181.99	11,522	1,666.35	819	0		
		<b>182.48</b>	<b>\$12,625</b>	<b>1,792.39</b>	<b>\$10,107</b>	<b>\$342</b>	<b>\$88,815</b>	<b>91%</b>
N32414	NAVSUPSTA MECHANICSBURG							
	Antifreeze	0	0	0.22	0	0		
	Lead-Acid Batteries	0	0	2.38	0	0		
	C&D	1,118.00	65,685	770.23	0	0		
	Oils	0	0	7.22	0	0		
		<b>1,118.00</b>	<b>\$65,685</b>	<b>780.05</b>	<b>0</b>	<b>0</b>	<b>\$53,824</b>	<b>41%</b>
N32445	NAVSUPACT PHILADELPHIA							
	Lead-Acid Batteries	0	0	20.40	0	0		
	C&D	6.00	360	774.50	32,168	0		
	Oils	0	0	1.50	0	0		
	Antifreeze	0	0	0.30	489	0		
		<b>6.00</b>	<b>\$360</b>	<b>796.70</b>	<b>\$32,657</b>	<b>0</b>	<b>\$22,714</b>	<b>99%</b>
N42237	SUBASE KINGS BAY							
	Lead-Acid Batteries	15.30	0	15.30	0	752		
	Antifreeze	8.98	0	0	0	0		
	C&D	13.58	4,107	0	0	0		
	Oils	0	0	140.00	0	0		
		<b>37.86</b>	<b>\$4,107</b>	<b>155.30</b>	<b>0</b>	<b>\$752</b>	<b>\$4,215</b>	<b>80%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues (\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N60087	NAS BRUNSWICK							
	Oils	0	0	63.97	0	0		
	Lead-Acid Batteries	0	0	4.45	0	0		
		<b>0</b>	<b>0</b>	<b>68.42</b>	<b>0</b>	<b>0</b>	<b>\$3,079</b>	<b>100%</b>
N60191	NAS OCEANA							
	Lead-Acid Batteries	0	0	16.07	0	838		
	C&D	3,375.00	0	0	0	0		
	Antifreeze	0	0	39.81	0	9,372		
	Oils	0	0	267.13	0	87,728		
		<b>3,375.00</b>	<b>0</b>	<b>323.01</b>	<b>0</b>	<b>\$97,938</b>	<b>\$107,790</b>	<b>9%</b>
N60201	NAVSTA MAYPORT							
	C&D	49.34	2,651	258.76	18,301	0		
	Oils	4.05	9,931	74.70	0	0		
	Antifreeze	0.21	556	0.37	0	0		
	Lead-Acid Batteries	0	0	24.30	0	1,123		
		<b>53.60</b>	<b>\$13,139</b>	<b>358.13</b>	<b>\$18,301</b>	<b>\$1,123</b>	<b>(\$8,286)</b>	<b>86%</b>
N60514	NAVSTA GUANTANAMO BAY							
	Lead-Acid Batteries	7.26	34,115	16.14	0	484		
	C&D	48,229.00	8,570	0	0	0		
	Oils	0	0	82.60	40,705	4,873		
	Antifreeze	5.92	19,285	0	0	0		
		<b>48,242.18</b>	<b>\$61,970</b>	<b>98.74</b>	<b>\$40,705</b>	<b>\$5,357</b>	<b>(\$31,398)</b>	<b>0%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues (\$)	OSW ISWMCA(\$)	OSW % Diversion
N61414 NAVPHIBASE LITTLE CREEK							
Lead-Acid Batteries	0	0	16.14	0	643		
Antifreeze	0	0	4.41	0	9,328		
C&D	3,149.16	96,049	3,321.00	0	0		
Oils	12.32	0	1.81	0	5,109		
	<b>3,161.48</b>	<b>\$96,049</b>	<b>3,343.36</b>	<b>0</b>	<b>\$15,081</b>	<b>\$56,232</b>	<b>30%</b>
N62604 CBC GULFPORT							
Lead-Acid Batteries	0	0	21.42	0	0		
Oils	0	0	94.15	0	150		
Antifreeze	0	0	0.81	535	0		
C&D	23.64	10,567	900.00	0	0		
	<b>23.64</b>	<b>\$10,567</b>	<b>1,016.38</b>	<b>\$535</b>	<b>\$150</b>	<b>\$25,025</b>	<b>98%</b>
N62688 NAVSTA NORFOLK							
C&D	4,835.00	15,610	25,000.00	275,000	340,000		
Lead-Acid Batteries	0	0	68.24	0	7,628		
Antifreeze	0	0	16.40	0	41,754		
Oils	0	0	28.03	0	79,948		
	<b>4,835.00</b>	<b>\$15,610</b>	<b>25,112.67</b>	<b>\$275,000</b>	<b>\$469,330</b>	<b>\$960,266</b>	<b>84%</b>
N68890 NAVSTA PASCAGOULA							
Oils	0	0	88.00	0	3,771		
Antifreeze	0	0	0.12	178	0		
Lead-Acid Batteries	0	0	1.50	0	0		
	<b>0</b>	<b>0</b>	<b>89.62</b>	<b>\$178</b>	<b>\$3,771</b>	<b>\$7,133</b>	<b>100%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

	Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues (\$)	OSW ISWMCA(\$)	OSW % Diversion
N68891	NAVSTA INGLESIDE							
	Oils	0	0	53.40	18,885	0		
	Lead-Acid Batteries	0	0	6.18	0	124		
		<b>0</b>	<b>0</b>	<b>59.58</b>	<b>\$18,885</b>	<b>\$124</b>	<b>(\$11,815)</b>	<b>100%</b>
N69212	WPNSTA YORKTOWN							
	Antifreeze	0	0	2.00	0	0		
	Lead-Acid Batteries	0	0	16.02	0	560		
	Oils	0	0	6.30	0	0		
		<b>0</b>	<b>0</b>	<b>24.32</b>	<b>0</b>	<b>\$560</b>	<b>\$1,301</b>	<b>100%</b>
N69213	WPNSTA EARLE COLTS NECK							
	Antifreeze	1.54	1,645	1.50	0	0		
	C&D	61.17	4,404	0	0	0		
	Lead-Acid Batteries	0	0	0	0	0		
	Oils	2.17	1,900	138.20	940	0		
		<b>64.88</b>	<b>\$7,949</b>	<b>139.70</b>	<b>\$940</b>	<b>0</b>	<b>\$7,351</b>	<b>68%</b>
N69214	WPNSTA CHARLESTON							
	Lead-Acid Batteries	0	0	244.63	631	3,994		
	C&D	1,589.44	27,371	9,397.00	0	0		
	Oils	114.43	152	35.93	0	0		
	Antifreeze	36.80	7,458	0.98	722	0		
		<b>1,740.67</b>	<b>\$34,980</b>	<b>9,678.54</b>	<b>\$1,352</b>	<b>\$3,994</b>	<b>\$422,013</b>	<b>85%</b>
<b>LANTFLT TOTAL:</b>		<b>74,308.77</b>	<b>\$646,621</b>	<b>53,528.31</b>	<b>\$432,857</b>	<b>\$639,169</b>	<b>\$2,056,295</b>	<b>42%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
<b>N00129 SUBASE NEW LONDON</b>													
Yes	Yes	Yes	19	19	Yes	24	24	229	500	No	Yes	Yes	No
<b>N00207 NAS JACKSONVILLE</b>													
Yes	Yes	Yes	4	4	No	0	0	120	0	Yes	Yes	No	No
<b>N00213 NAS KEY WEST</b>													
Yes	Yes	Yes	0	0	No	65	0	37	0	No	No	No	No
<sup>29</sup>	<b>N00389 NAVSTA ROOSEVELT ROADS</b>												
Yes	Yes	Yes	24	24	Yes	4	0	42	0	Yes	No	No	No
<b>N32411 NAVSTA NEWPORT</b>													
Yes	Yes	Yes	38	38	Yes	5	5	229	229	No	Yes	No	Yes
<b>N32414 NAVSUPACT MECHANICSBURG</b>													
No	Yes	Yes	12	3	No	0	0	11	0	No	No	No	No
<b>N32445 NAVSUPACT PHILADELPHIA</b>													
No	Yes	Yes	3	3	Yes	0	0	11	11	No	Yes	Yes	No
<b>N42237 SUBASE KINGS BAY</b>													
Yes	Yes	Yes	6	0	No	10	0	25	25	No	Yes	Yes	Yes
<b>N60087 NAS BRUNSWICK</b>													
Yes	Yes	Yes	13	13	No	5	0	57	57	Yes	No	No	No
<b>N60191 NAS OCEANA</b>													
Yes	Yes	Yes	0	0	No	0	0	0	0	No	Yes	Yes	Yes
<b>N60201 NAVSTA MAYPORT</b>													
Yes	Yes	Yes	24	24	Yes	4	0	42	0	Yes	No	No	No
<b>N60514 NAVSTA GUANTANAMO BAY</b>													
No	Yes	Yes	4	4	No	0	0	48	0	Yes	No	No	No

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N61414	NAVPHIBASE LITTLE CREEK												
Yes	Yes	Yes	0	1	No	0	0	0	0	No	Yes	Yes	Yes
N62604	CBC GULFPORT												
No	Yes	Yes	5	5	No	15	3	20	2	No	Yes	Yes	No
N62688	NAVSTA NORFOLK												
Yes	Yes	Yes	10	11	Yes	3	3	3	3	No	Yes	Yes	Yes
N68890	NAVSTA PASCAGOULA												
Yes	Yes	Yes	0	0	No	1	1	34	34	No	Yes	Yes	No
N68891	NAVSTA INGLESIDE												
Yes	Yes	Yes	2	2	Yes	16	16	12	12	No	Yes	Yes	No
N69212	WPNSTA YORKTOWN												
Yes	Yes	Yes	0	0	No	0	0	0	0	No	Yes	Yes	Yes
N69213	WPNSTA EARLE COLTS NECK												
Yes	Yes	Yes	0	0	No	4	4	20	20	Yes	No	No	No
N69214	WPNSTA CHARLESTON												
Yes	Yes	Yes	83	52	Yes	2100	0	105	0	No	Yes	Yes	No

**LANTFLT SUMMARY**

# of Installations with updated plans:	16	# of Acquisition Personnel:	2256
# of Installations with office recycling program:	20	Acquisition Personnel trained in last 3 years:	56
# of Installations housing recycling programs:	20	# of Purchase Card Holders:	1045
# of C&D projects started:	247	Purchase Card Holders trained in last 3 years:	893
C&D projects that include recycling:	203	# of Installations with Audits conducted in the last year:	6
# of Installations with a AP Plan or Instruction:	8	# of installations with Audit findings reported to senior levels:	13
		# of installation with Audit findings tracked by senior levels:	11

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL AIR SYSTEM COMMAND (NAVAIR)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 6.
2. Number of installations with a Pollution Prevention Plan: 5.
3. Total hazardous waste disposal cost: \$1,180,874.
4. Number of RCRA Subtitle C permits held by installations: 2.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 5.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	283.17	0	0	0	0	0	283.17
CP	200.21	1.27	0	3.62	0	0	197.87
EP	188.56	15.41	0	13.43	0	0	190.54
ES	70.27	3.33	0	0.21	0	0	73.38
FC	380.71	9.17	0	10.03	0	1.28	378.58
FP	1,990.83	64.61	0	33.38	0	0	2,022.05
MX	71.40	0	71.40	0	0	0	0
NR	903.37	0	0	3.71	0	0	899.67
PD	397.68	60.96	0	33.85	0	0	424.79
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>4,486.19</b>	<b>154.75</b>	<b>71.40</b>	<b>98.22</b>	<b>0</b>	<b>1.28</b>	<b>4,470.04</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 4.
2. Number of installations with a Solid Waste Management Plan (SWMP): 4.
3. Number of installations with a Qualified Recycling Program (QRP): 3.  
 Total Annual QRP Tons Recycled: 5,269  
 Total Annual QRP Costs: \$770,290.28  
 Total Annual QRP Revenues: \$258,855.23
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	9,331	962,288	N/A
Incinerated	0	0	0
Composted	106	0	0
Recycled	*5,348	770,290	258,855

7. Solid waste recycled summary by category (tons):

Food	17
Glass	101
Metals	2,179
Other Non-Food	303
Paper	2,192
Plastic	47
Wood	186
Yard/Green Waste	323
Total Tons Recycled	*5,348

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	2,595.00	0	38,187.91	32,378	10,321
Oils	11.00	0	106.58	0	0
Antifreeze	3.33	0	13.20	0	0
Lead-Acid Batteries	2.83	0	30.75	0	37

9. Solid and other select waste success stories: See Appendix B and Appendix C.



**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 4
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 1
3. Number of installations with a recycling program for office/administrative spaces: 4
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 4
5. Number of construction and demolition (C&D) projects started during the CY02: 414  
Number of projects that include recycling of C&D debris: 33
6. Number of installations that have an APP plan or instruction: 2
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 1246
  - B. Number who received documented APP training within the last three years: 0
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 917
  - B. Number who received documented APP training within the last three years: 904
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 3
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 2
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 2
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 1
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL AIR SYSTEM COMMAND (NAVAIR)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAS PATUXENT RIVER	444	223	234	296	217	187	149	106	78	134	289
NAVAIRENGSTA LAKEHURST	347	975	490	385	288	100	87	52	76	49	52
NAVAVNDEPOT CHERRY POINT	1,007	711	652	1,373	1,577	775	839	920	2,048	1,913	1,601
NAVAVNDEPOT NORTH ISLAND	1,233	642	529	516	843	988	965	967	622	746	841
NAWS CHINA LAKE	2,570	2,254	1,640	3,644	3,280	2,659	3,154	508	2,612	1,166	1,616
NIROP BEDFORD MA	0	50	0	0	0	0	0	0	0	0	0
NIROP BLOOMFIELD CT	0	55	0	0	0	0	0	0	0	0	0
OLF SAN NICHOLAS ISLAND	0	0	0	0	0	0	0	44	37	12	71
<b>NAVAIR TOTAL:</b>	<b>5,601</b>	<b>4,910</b>	<b>3,545</b>	<b>6,214</b>	<b>6,204</b>	<b>4,709</b>	<b>5,194</b>	<b>2,597</b>	<b>5,472</b>	<b>4,020</b>	<b>4,470</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL AIR SYSTEM COMMAND (NAVAIR)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAS PATUXENT RIVER	Yes	Yes	0	\$106,288	287
NAVAIRENGSTA LAKEHURST	Yes	Yes	0	\$35,555	50
NAVAVNDEPOT CHERRY	Yes	Yes	0	\$336,476	1,563
NAVAVNDEPOT NORTH	Yes	No	0	\$345,143	828
NAWS CHINA LAKE	Yes	Yes	2	\$327,475	1,687
OLF SAN NICHOLAS ISLAND	No	Yes	0	\$29,938	71
<b>NAVAIR TOTAL:</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>\$1,180,874</b>	<b>4,486</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**NAVAL AIR SYSTEM COMMAND (NAVAIR)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NAS PATUXENT RIVER	287	38	36	0	0	3	286	289
NAVAIRENGSTA LAKEHURST	50	3	0	0	1	0	52	52
NAVAVNDEPOT CHERRY POINT	1,563	50	12	0	0	0	1,601	1,601
NAVAVNDEPOT NORTH ISLAND	828	64	50	0	0	177	664	841
NAWS CHINA LAKE	1,687	0	0	71	0	346	1,270	1,616
OLF SAN NICHOLAS ISLAND	71	0	0	0	0	0	71	71
<b>NAVAIR TOTAL:</b>	<b>4,486</b>	<b>155</b>	<b>98</b>	<b>71</b>	<b>1</b>	<b>526</b>	<b>3,944</b>	<b>4,470</b>

Note: Recycled offsite + disposed offsite = Transferred offsite

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Revenue (\$)</u>	<u>Cost (\$)</u> <u>Avoided</u>	<u>%</u> <u>Diversion</u>	<u>ISWMCA (\$)</u>	<u>Diversion</u>
<b>N00421 NAS PATUXENT RIVER</b>	4,227	539,220	0	0	102	0	2,252	315,000	84,675	-126,749	36%	725,411	76%
N49146 OLF SAN NICHOLAS ISLAND	198	137,401	0	0	4	0	80	0	0	2,940	30%	2,940	27%
<b>N68335 NAVAIENGSTA LAKEHURST</b>	2,094	203,096	0	0	0	0	1,380	12,067	44,658	108,767	40%	183,940	61%
N68937 NAWS CHINA LAKE	2,812	81,571	0	0	0	0	1,636	443,223	129,522	-266,257	37%	235,687	87%
<b>NAVAIR TOTAL:</b>	<b>9,331</b>	<b>\$961,288</b>	<b>0</b>	<b>0</b>	<b>106</b>	<b>0</b>	<b>5,348</b>	<b>\$770,290</b>	<b>\$258,855</b>	<b>(\$281,299)</b>	<b>37%</b>	<b>\$1,147,978</b>	<b>79%</b>

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**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00421 NAS PATUXENT RIVER	Yes	No	Yes	2,252	\$84,675.00	\$315,000.00	(\$230,325)
N49146 OLF SAN NICHOLAS ISLAND	Yes	No	No	0	0	0	0
N68335 NAVAIENGSTA LAKEHURST	Yes	No	Yes	1,380	\$44,658.29	\$12,067.18	\$32,591
N68937 NAWS CHINA LAKE	Yes	No	Yes	1,636	\$129,521.94	\$443,223.10	(\$313,701)
<b>NAVAIR TOTAL:</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>5,269</b>	<b>\$258,855.23</b>	<b>\$770,290.28</b>	<b>(\$511,435)</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues (\$)	OSW ISWMCA (\$)	OSW % Diversion
N00421 NAS PATUXENT RIVER							
Lead-Acid Batteries	0	0	14.00	0	0		
Antifreeze	0	0	0.12	0	0		
Oils	0	0	84.00	0	0		
C&D	2,587.00	0	19,132.00	0	6,035		
	<b>2,587.00</b>	<b>0</b>	<b>19,230.12</b>	<b>0</b>	<b>\$6,035</b>	<b>\$852,160</b>	<b>88%</b>
N49146 OLF SAN NICHOLAS ISLAND							
Lead-Acid Batteries	2.83	0	0	0	0		
Antifreeze	3.33	0	0	0	0		
Oils	11.00	0	0	0	0		
C&D	8.00	0	0	0	0		
	<b>25.16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N68335 NAVAIRENGSTA LAKEHURST							
Oils	0	0	22.58	0	0		
Antifreeze	0	0	13.08	0	0		
Lead-Acid Batteries	0	0	1.85	0	37		
C&D	0	0	1,910.21	32,378	0		
	<b>0</b>	<b>0</b>	<b>1,947.72</b>	<b>\$32,378</b>	<b>\$37</b>	<b>\$75,173</b>	<b>100%</b>
N68937 NAWS CHINA LAKE							
C&D	0	0	17,145.70	0	4,286		
Lead-Acid Batteries	0	0	14.90	0	0		
	<b>0</b>	<b>0</b>	<b>17,160.60</b>	<b>0</b>	<b>\$4,286</b>	<b>\$501,944</b>	<b>100%</b>
<b>NAVAIR TOTAL:</b>	<b>2,612.16</b>	<b>0</b>	<b>38,338.44</b>	<b>\$32,378</b>	<b>\$10,358</b>	<b>\$1,429,277</b>	<b>94%</b>

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel Trained	Personnel Trained	Personnel Trained	Audited	Reported	Tracked	Affect	
N00421	NAS PATUXENT RIVER		404	25	No	50	0	513	500	Yes	Yes	Yes	No
N49146	OLF SAN NICHOLAS ISLAND		1	1	Yes	0	0	4	4	Yes	No	No	No
N68335	NAVAIRENGSTA LAKEHURST		4	4	Yes	1100	0	100	100	No	Yes	Yes	No
N68937	NAWS CHINA LAKE		5	3	No	96	0	300	300	Yes	No	No	Yes

**NAVAIR SUMMARY**

# of Installations with updated plans:	1	# of Acquisition Personnel:	1246
# of Installations with office recycling program:	4	Acquisition Personnel trained in last 3 years:	0
# of Installations housing recycling programs:	4	# of Purchase Card Holders:	917
# of C&D projects started:	414	Purchase Card Holders trained in last 3 years:	904
C&D projects that include recycling:	33	# of Installations with Audits conducted in the last year:	3
# of Installations with a AP Plan or Instruction:	2	# of installations with Audit findings reported to senior levels:	2
		# of installation with Audit findings tracked by senior levels:	2
		# of Installation that assessed effectiveness of audits:	1



**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. FORCES EUROPE (NAVEUR)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 6.
2. Number of installations with a Pollution Prevention Plan: 5.
3. Total hazardous waste disposal cost: \$346,565.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 5.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	7.45	0	0	0	0	0	0
CP	0	0	0	0	0	0	0
EP	0	0	0	0	0	0	0
ES	33.23	1,86	0	0.04	0	0	35.04
FC	459.66	9.49	12.02	2.03	0	300.03	155.06
FP	582.68	14.47	0	0	0	40.84	556.31
MX	0	0	0	0	0	0	0
NR	183.29	0.02	1.43	0.29	103.82	0	77.77
PD	87.11	1.47	0	0.34	0	0	88.24
SP	124.15	0	0	0	0	0	124.15
<b>Total</b>	<b>1,477.56</b>	<b>27.31</b>	<b>13.45</b>	<b>2.70</b>	<b>103.82</b>	<b>340.88</b>	<b>1,044.03</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 7.
2. Number of installations with a Solid Waste Management Plan (SWMP): 6.
3. Number of installations with a Qualified Recycling Program (QRP): 5.  
 Total Annual QRP Tons Recycled: 2,387  
 Total Annual QRP Costs: \$196,750.66  
 Total Annual QRP Revenues: \$23,727.00
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	16,569	1,014,118	N/A
Incinerated	3,329	438,644	0
Composted	0	0	0
Recycled	*5,461	412,532	142,996

7. Solid waste recycled summary by category (tons):

Food	23
Glass	130
Metals	2,263
Other Non-Food	1,060
Paper	1,361
Plastic	62
Wood	564
Yard/Green Waste	0
<b>Total Tons Recycled</b>	<b>*5,463</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	8,751.00	15,109	15,206.83	550	0
Oils	0	0	181.95	1,532	66,427
Antifreeze	1.04	791	4.40	2,305	15,405
Lead-Acid Batteries	0	0	85.49	0	6,617

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 7
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 6
3. Number of installations with a recycling program for office/administrative spaces: 6
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 4
5. Number of construction and demolition (C&D) projects started during the CY02: 149  
Number of projects that include recycling of C&D debris: 8
6. Number of installations that have an APP plan or instruction: 2
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 40
  - B. Number who received documented APP training within the last three years: 30
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 357
  - B. Number who received documented APP training within the last three years: 263
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 3
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant:
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 3
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 3
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
COMNAVACT LONDON	0	17	36	14	22	11	5	17	30	20	50
NAS KEFLAVIK	89	113	144	676	709	70	653	301	87	31	48
NAS SIGONELLA	1,598	1,419	484	457	375	456	321	437	331	258	181
NAVSTA ROTA	0	408	1,282	8,478	14,069	516	3,858	417	377	217	85
NAVSUPPACT LA MADDALENA	0	0	0	0	21	8	16	227	720	158	185
NAVSUPPACT NAPLES	43	36	16	169	25	29	18	68	409	198	496
NAVSUPPACT SOUDA BAY	13	0	24	37	84	111	31	47	0	0	0
<b>NAVEUR TOTAL:</b>	<b>1,743</b>	<b>1,993</b>	<b>1,987</b>	<b>9,832</b>	<b>15,306</b>	<b>1,201</b>	<b>4,903</b>	<b>1,514</b>	<b>1,954</b>	<b>881</b>	<b>1,044</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
COMNAVACT LONDON	Yes	No	0	\$11,713	50
NAS KEFLAVIK	Yes	Yes	0	\$50,654	159
NAS SIGONELLA	Yes	Yes	0	\$80,105	503
NAVSTA ROTA	Yes	Yes	0	\$66,257	85
NAVSUPPACT LA MADDALENA	No	Yes	0	\$65,815	185
NAVSUPPACT NAPLES	Yes	Yes	0	\$72,021	496
<b>NAVEUR TOTAL:</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>\$346,565</b>	<b>1,478</b>

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
 COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)  
 (Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
COMNAVACT LONDON	50	0	0	0	0	45	4	50
NAS KEFLAVIK	159	8	3	13	0	0	48	48
NAS SIGONELLA	503	19	0	0	341	0	181	181
NAVSTA ROTA	85	0	0	0	0	0	85	85
NAVSUPPACT LA MADDALENA	185	0	0	0	0	47	137	185
NAVSUPPACT NAPLES	496	0	0	0	0	90	406	496
<b>NAVEUR TOTAL:</b>	<b>1,478</b>	<b>27</b>	<b>3</b>	<b>13</b>	<b>341</b>	<b>183</b>	<b>862</b>	<b>1,044</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Tons</u>	<u>Cost (\$)</u>	<u>Revenue (\$)</u>	<u>Cost (\$)</u> <u>Avoided</u>	<u>%</u> <u>Diversion</u>	<u>ISWMCA (\$)</u>	<u>Diversion</u>
N32960 NAVSUPPACT LA MADDALENA	1,411	172,000	0	0	0	0	385	71,160	0	-53,643	21%	-52,561	22%
N62585 COMNAVACT LONDON	525	96,500	1	80	0	0	238	1,613	350	14,921	31%	1,035,261	97%
N62588 NAVSUPPACT NAPLES	221	12,109	0	0	0	0	1,275	122,537	0	-46,037	85%	-44,597	75%
N62863 NAVSTA ROTA	3,400	457,274	0	0	0	0	1,378	46,500	85,667	61,215	29%	65,360	30%
N62995 NAS SIGONELLA	1,799	46,718	0	0	0	0	1,257	76,578	10,899	-32,783	41%	-27,625	45%
N63032 NAS KEFLAVIK	7,013	189,658	3,328	438,564	0	0	894	93,244	46,080	80,875	8%	179,526	5%
N66691 NAVSUPPACT SOUDA BAY	2,200	39,859	0	0	0	0	34	900	0	-284	2%	23,256	31%
<b>NAVEUR TOTAL:</b>	<b>16,569</b>	<b>\$1,014,118</b>	<b>3,329</b>	<b>\$438,644</b>	<b>0</b>	<b>0</b>	<b>5,461</b>	<b>\$412,532</b>	<b>\$142,996</b>	<b>\$24,264</b>	<b>22%</b>	<b>\$1,178,620</b>	<b>42%</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N32960 NAVSUPPACT LA MADDALENA	Yes	No	Yes	386	0	\$71,160.00	(\$71,160)
N62585 COMNAVACT LONDON	Yes	No	Yes	238	\$350.00	\$1,613.00	(\$1,263)
N62588 NAVSUPPACT NAPLES	Yes	No	No	0	0	0	0
N62863 NAVSTA ROTA	No	No	Yes	472	\$12,478.00	\$46,500.00	(\$34,022)
N62995 NAS SIGONELLA	Yes	No	Yes	1,257	\$10,899.00	\$76,577.66	(\$65,679)
N63032 NAS KEFLAVIK	Yes	No	No	0	0	0	0
∞ N66691 NAVSUPPACT SOUDA BAY	Yes	No	Yes	34	0	\$900.00	(\$900)
<b>NAVEUR TOTAL:</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>2,387</b>	<b>\$23,727.00</b>	<b>\$196,750.66</b>	<b>(\$173,024)</b>



**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues (\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N32960	NAVSUPPACT LA MADDALENA							
	Oils	0	0	20.90	0	0		
	Antifreeze	0.55	540	0	0	0		
	Lead-Acid Batteries	0	0	2.87	0	0		
	C&D	30.00	3,000	0	0	0		
		<b>30.55</b>	<b>\$3,540</b>	<b>23.77</b>	<b>0</b>	<b>0</b>	<b>\$1,082</b>	<b>44%</b>
∞ N62585	COMNAVACT LONDON							
	C&D		0	15,000.00	0	0		
	Lead-Acid Batteries	0	0	5.00	0	0		
		<b>0</b>	<b>0</b>	<b>15,005.00</b>	<b>0</b>	<b>0</b>	<b>\$1,020,340</b>	<b>100%</b>
N62588	NAVSUPPACT NAPLES							
	C&D	221.00	12,109	0	0	0		
	Oils	0	0	13.00	0	0		
	Lead-Acid Batteries	0	0	11.00	0	0		
	Antifreeze	0.49	251	0	0	0		
		<b>221.49</b>	<b>\$12,360</b>	<b>24.00</b>	<b>0</b>	<b>0</b>	<b>\$1,440</b>	<b>10%</b>
N62863	NAVSTA ROTA							
	Lead-Acid Batteries	0	0	26.00	0	1,021		
	Oils	0	0	65.00	0	1,668		
		<b>0</b>	<b>0</b>	<b>91.00</b>	<b>0</b>	<b>\$2,689</b>	<b>\$4,145</b>	<b>100%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues (\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N62995	NAS SIGONELLA							
	C&D	0	0	156.83	550	0		
	Oils	0	0	33.15	0	0		
	Lead-Acid Batteries	0	0	28.12	0	0		
		<b>0</b>	<b>0</b>	<b>218.10</b>	<b>\$550</b>	<b>0</b>	<b>\$4,422</b>	<b>100%</b>
N63032	NAS KEFLAVIK							
8	Oils	0	0	49.90	1,532	64,759		
	Antifreeze	0	0	4.40	2,305	15,405		
	Lead-Acid Batteries	0	0	12.50	0	5,596		
	C&D	8,500.00	0	50.00	0	0		
		<b>8,500.00</b>	<b>0</b>	<b>116.80</b>	<b>\$3,837</b>	<b>\$85,760</b>	<b>\$98,651</b>	<b>1%</b>
<b>NAVEUR TOTAL:</b>		<b>8,752.04</b>	<b>\$15,900</b>	<b>15,478.67</b>	<b>\$4,387</b>	<b>\$88,449</b>	<b>\$1,130,080</b>	<b>64%</b>

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel Trained	Personnel Trained	Personnel Trained	Audited	Reported	Tracked	Affect	
<b>N32960 NAVSUPPORT LA MADDALENA</b>													
Yes	Yes	Yes	0	0	No	2	2	6	0	No	No	No	No
<b>N62585 COMNAVACT LONDON</b>													
No	Yes	No	5	5	No	1	0	17	0	Yes	No	No	No
<b>N62588 NAVSUPPORT NAPLES</b>													
Yes	No	No	21	0	No	9	9	41	41	No	Yes	Yes	Yes
<b>N62863 NAVSTA ROTA</b>													
Yes	Yes	Yes	25	0	No	8	3	71	0	Yes	No	No	No
<b>N62995 NAS SIGONELLA</b>													
Yes	Yes	Yes	3	3	Yes	14	14	109	109	No	Yes	Yes	Yes
<b>N63032 NAS KEFLAVIK</b>													
Yes	Yes	Yes	92	0	Yes	3	2	79	79	No	Yes	Yes	Yes
<b>N66691 NAVSUPPORT SOUDA BAY</b>													
Yes	Yes	No	3	0	No	3	0	34	34	Yes	No	No	No

**NAVEUR SUMMARY**

# of Installations with updated plans:	6	# of Acquisition Personnel:	40
# of Installations with office recycling program:	6	Acquisition Personnel trained in last 3 years:	30
# of Installations housing recycling programs:	4	# of Purchase Card Holders:	357
# of C&D projects started:	149	Purchase Card Holders trained in last 3 years:	263
C&D projects that include recycling:	8	# of Installations with Audits conducted in the last year:	3
# of Installations with a AP Plan or Instruction:	2	# of installations with Audit findings reported to senior levels:	3
		# of installation with Audit findings tracked by senior levels:	3
		# of Installation that assessed effectiveness of audits:	3

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 3.
2. Number of installations with a Pollution Prevention Plan: 3.
3. Total hazardous waste disposal cost: \$389,821.
4. Number of RCRA Subtitle C permits held by installations: 6.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 3.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	35.50	0	0	0	0	0	35.50
EP	2.97	0	2.97	0	0	0	0
ES	40.55	0.12	0	0.21	0	0	40.46
FC	160.32	0.21	68.43	2.64	0	0	89.45
FP	53.75	0.15	3.33	0.86	0	0	49.72
MX	0	0	0	0	0	0	0
NR	815.22	0	23.95	0.86	0	0	790.42
PD	113.80	0.20	0	0	0	0	113.99
SP	24.95	0	24.95	0	0	0	0
<b>Total</b>	<b>1,247.05</b>	<b>0.68</b>	<b>123.62</b>	<b>4.57</b>	<b>0</b>	<b>0</b>	<b>1,119.54</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)**

(Excluding IR and RC) in K pounds

	CY92	CY93	CY94	CY95	CY96	CY97	CY98	CY99	CY00	CY01	CY02
CBC DAVISVILLE RI	69	383	33	0	0	0	0	0	0	0	0
FISC CHARLESTON SC	57	0	65	0	0	0	0	0	0	0	0
FISC OAKLAND	4,740	2,082	267	231	1,769	1,364	72	0	0	0	0
NAF ADAK	88	205	517	960	399	122	108	51	0	0	0
NAF MIDWAY ISLAND	0	1	0	0	0	0	0	0	0	0	0
NAS ALAMEDA	5,043	2,935	4,434	3,891	5,657	392	1,338	0	0	0	0
NAS CECIL FIELD	288	159	88	120	90	105	96	181	0	0	0
NAS DALLAS	25	72	100	263	1,134	89	0	0	0	0	0
NAS GLENVIEW	34	67	43	61	0	0	0	0	0	0	0
NAS MOFFETT FIELD	675	1,008	109	4,452	0	0	0	0	0	0	0
NAS SOUTH WEYMOUTH	188	97	88	66	97	746	29	0	0	0	0
NAVFAC CENTERVILLE BEACH	227	0	0	0	0	0	0	0	0	0	0
NAVMEDECEN OAKLAND	64	43	99	133	2,272	0	0	0	0	0	0
NAVSHIPREPFAC GUAM	41	94	93	108	124	64	0	0	0	0	0
NAVSHIPYD CHARLESTON	592	144	967	505	193	93	14	33	22	2	0
NAVSHIPYD LONG BEACH	34,77	52,42	30,397	12,293	10,161	0	0	0	0	0	0
NAVSHIPYD MARE ISLAND	13,47	8,826	2,266	6,286	6,147	3,457	2,410	6,423	0	0	0
NAVSHIPYD PHILADELPHIA	789	1,110	923	419	0	0	0	0	0	0	0
NAVSTA LONG BEACH CA	471	7	0	0	0	0	0	0	0	0	0
NAVSTA NEW YORK NY	39	588	111	0	0	0	0	0	0	0	0
NAVSTA SEATTLE WA	60	97	36	0	0	0	0	0	0	0	0
NAVSTA TREASURE ISLAND	1,683	0	3,386	1,765	835	372	2,441	111	0	0	0
NAWC ACDIV INDIANAPOLIS	127	212	144	128	432	175	274	0	0	0	0

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAWC ACDIV TRENTON	2,181	2,721	1,155	818	430	933	1,630	0	0	0	0
NAWC ACDIV WARMINSTER	9	49	27	35	43	16	21	0	0	0	0
NSWC ORDSTA LOUISVILLE	734	657	307	453	308	107	143	0	0	0	0
NTC SAN DIEGO	829	47	344	53	52	20	19	21	2	0	0
NUWC DET NEW LONDON	5	18	13	42	0	53	0	0	0	0	0
PWC GUAM	158	227	424	267	180	254	165	109	644	348	89
PWC PEARL HARBOR	403	285	655	725	267	369	394	90	28	9	84
PWC SAN DIEGO	1,004	1,228	1,246	1,802	643	1,098	1,069	1,984	2,811	3,680	946
PWC SAN FRANCISCO	0	134	42	3	71	0	0	0	0	0	0
PWC SUBIC BAY PHILIPPINES	48	0	0	0	0	0	0	0	0	0	0
<b>NAVFAC TOTAL:</b>	<b>68,919</b>	<b>75,919</b>	<b>48,378</b>	<b>35,879</b>	<b>31,304</b>	<b>9,829</b>	<b>10,223</b>	<b>9,006</b>	<b>3,506</b>	<b>4,040</b>	<b>1,120</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
PWC GUAM	Yes	Yes	1	\$141,940	93
PWC PEARL HARBOR	Yes	Yes	1	\$27,280	84
PWC SAN DIEGO	Yes	Yes	2	\$220,601	1,070
NAS ALAMEDA (Class 3 reporter)			1		
NSWC ORDSTA LOUISVILLE (Class 3 reporter)			1		
<b>NAVFAC TOTAL:</b>	<b>3</b>	<b>3</b>	<b>*6</b>	<b>\$389,821</b>	<b>1,247</b>

\*Two Class III BRAC activities have permits.

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
 NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)  
 (Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
PWC GUAM	93	0	4	0	0	0	89	89
PWC PEARL HARBOR	84	0	1	0	0	0	84	84
PWC SAN DIEGO	1,070	0	0	124	0	41	905	946
<b>NAVFAC TOTAL:</b>	<b>1,247</b>	<b>1</b>	<b>5</b>	<b>124</b>	<b>0</b>	<b>41</b>	<b>1,078</b>	<b>1,120</b>



**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND  
(NAVMETOC)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 1.
2. Number of installations with a Pollution Prevention Plan: 1.
3. Total hazardous waste disposal cost: \$14,811.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 1.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	0	0	0	0	0	0	0
EP	0	0	0	0	0	0	0
ES	0	0	0	0	0	0	0
FC	0	0	0	0	0	0	0
FP	36.31	0	0	0	0	0	36.31
MX	0	0	0	0	0	0	0
NR	0	0	0	0	0	0	0
PD	0	0	0	0	0	0	0
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>36.31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36.31</b>

**Process code definition:**

- |  |  |
|--|--|
| <p><b>BD.</b> Bilge/tank cleaning &amp; derusting</p> <p><b>CP.</b> Chemical paint stripping</p> <p><b>EP.</b> Plating shop waste</p> <p><b>ES.</b> Expired shelf life/excess materials, non-ship</p> <p><b>FC.</b> Fluids changeout</p> | <p><b>FP.</b> Facilities operations</p> <p><b>MX.</b> Munitions and explosives</p> <p><b>NR.</b> Non-recurring</p> <p><b>PD.</b> Painting/depainting/surface finishing</p> <p><b>SP.</b> Ship operations</p> |
|--|--|

7. Hazardous waste success stories: See Appendix A.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND (NAVMETOC)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAVOCEANO STENNIS SPACE	0	6	2	4	0	0	0	0	3	13	36
<b>NAVMETOC TOTAL:</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>13</b>	<b>36</b>

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
 NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND (NAVMETOC)**

	<b>INSTALLATIONS</b>				
	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAVOCEANO STENNIS SPACE	Yes	Yes	0	\$14,811	36
<b>NAVMETOC TOTAL:</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>\$14,811</b>	<b>36</b>

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
 NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND (NAVMETOC)  
 (Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NAVOCEANO STENNIS SPACE	36	0	0	0	0	0	36	36
<b>NAVMETOC TOTAL:</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>36</b>

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 19.
2. Number of installations with a Pollution Prevention Plan: 18.
3. Total hazardous waste disposal cost: \$8,432,892.
4. Number of RCRA Subtitle C permits held by installations: 8.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 13.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	27.46	0.33	0	0	0	0	27.78
CP	54.80	5.77	0	0	0	0	60.56
EP	2,402.10	2.26	2,303.33	5.28	0	0	95.75
ES	308.53	22.02	0	7.14	0	0	323.41
FC	560.44	42.46	50.01	73.93	0	0	478.95
FP	4,628.82	88.13	223.86	70.47	0	0	4,422.62
MX	267.66	20.35	260.91	26.34	0	0	0.75
NR	2,380.79	12.05	0	23.42	0	0	2,369.42
PD	1,490.32	15.50	74.47	48.84	0	0	1,382.51
SP	20,383.39	10.67	275.78	24.11	0	0	20,094.16
<b>Total</b>	<b>32,504.29</b>	<b>219.52</b>	<b>3,188.36</b>	<b>279.54</b>	<b>0</b>	<b>0</b>	<b>29,255.91</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 16.
2. Number of installations with a Solid Waste Management Plan (SWMP): 11.
3. Number of installations with a Qualified Recycling Program (QRP): 5.  
 Total Annual QRP Tons Recycled: 1,994  
 Total Annual QRP Costs: \$252,328.00  
 Total Annual QRP Revenues: \$330,968.31
4. Number of installations with composting facilities: 1.
5. Number of installations that have an active RCRA permitted landfill: 1.
6. Solid waste operations summary: \*Recycles and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	14,886	2,192,797	N/A
Incinerated	10,519	618,112	0
Composted	37	22,144	0
Recycled	*13,253	936,025	1,152,193

7. Solid waste recycled summary by category (tons):

Food	8
Glass	16
Metals	8,348
Other Non-Food	548
Paper	2,148
Plastic	629
Wood	1,393
Yard/Green Waste	161
<b>Total Tons Recycled</b>	<b>*13,251</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	13,650.72	175,448	13,004.61	138,049	7,450
Oils	130.83	24,548	101.61	46,566	1,333
Antifreeze	18.80	7,736	3.45	2,994	420
Lead-Acid Batteries	0.04	950	131.78	25,925	661

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 15
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 10
3. Number of installations with a recycling program for office/administrative spaces: 12
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 6
5. Number of construction and demolition (C&D) projects started during the CY02: 2295  
Number of projects that include recycling of C&D debris: 2109
6. Number of installations that have an APP plan or instruction: 3
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 3187
  - B. Number who received documented APP training within the last three years: 11
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 1323
  - B. Number who received documented APP training within the last three years: 4
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 7
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 5
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 5
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 1
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL SEA SYSTEMS COMMAND (NAVSEA)**  
(Excluding IR and RC) in K pounds

	CY92	CY93	CY94	CY95	CY96	CY97	CY98	CY99	CY00	CY01	CY02
ABL ROCKET CENTER WV	0	183	0	0	0	0	0	0	0	0	0
AEGIS COMBAT SYS CEN	0	0	0	0	0	4	3	0	5	3	3
COASYSSTA PANAMA CITY	81	20	26	34	11	57	17	13	21	16	20
NAVEODTECHDIV INDIAN HEAD	2	8	1	1	2	7	9	4	2	4	10
NAVPMOSSP SUNNYVALE	0	4	0	0	0	0	0	0	0	0	0
NAVSEA DET NISMF PEARL	0	0	0	0	0	0	0	0	2	35	0
NAVSHIPYD NORFOLK	1,269	1,276	1,745	2,279	1,800	1,641	1,381	875	682	805	677
NAVSHIPYD PORTSMOUTH	1,224	1,750	1,287	1,407	1,029	793	1,431	841	929	1,807	1,454
NAVSHIPYD PUGET SOUND	18,94	20,04	23,043	20,567	20,221	28,414	14,449	24,75	21,27	22,48	24,668
NAVUNSEAWARCENDET	0	0	0	0	4	3	0	0	0	0	0
NSWC CARDEROCK	167	17	156	10	110	194	25	14	9	41	14
NSWC CRANE	3,364	582	160	124	149	128	757	1,016	856	478	351
NSWC DET ANNAPOLIS	123	46	89	40	0	8	14	0	0	0	0
NSWC DET BAYVIEW	10	10	10	6	12	7	4	4	5	7	6
NSWC DET FT LAUDERDALE	0	0	1	2	0	0	0	0	0	0	0
NSWC DIV DAHLGREN	68	241	64	62	20	53	53	16	13	31	15
NSWC DIV INDIAN HEAD	193	1,793	865	341	224	120	318	181	356	75	237
NSWC SHIPSYSENGSTA	180	64	61	44	1,373	110	322	63	138	280	33
NSWC WHITE OAK DET	0	30	73	82	21	0	0	0	0	0	0
NUWC DET AUTEC ANDROS ISL	0	72	91	61	78	95	102	90	94	83	121
NUWC DIV KEYPORT	1,872	1,742	1,642	1,099	3,118	3,612	1,062	822	732	698	1,419
NUWC DIV NEWPORT	291	141	138	268	0	116	105	41	72	45	166
NWADIV CORONA	2	0	21	15	26	18	0	10	0	0	0



**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL SEA SYSTEMS COMMAND (NAVSEA)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
SUPSHIP BATH	0	0	8	9	6	12	7	4	1	3	2
SUPSHIP GROTON	4	0	0	0	0	7	0	0	0	0	0
SUPSHIP JACKSONVILLE	0	0	0	0	0	0	0	0	0	35	13
SUPSHIP NEWPORT NEWS	73	0	165	48	62	5	23	44	26	17	46
SUPSHIP PASCAGOULA	0	6	0	10	5	7	3	0	0	0	0
<b>NAVSEA TOTAL:</b>	<b>27,861</b>	<b>28,032</b>	<b>29,646</b>	<b>26,511</b>	<b>28,270</b>	<b>35,411</b>	<b>20,082</b>	<b>28,787</b>	<b>25,216</b>	<b>26,947</b>	<b>29,256</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
COASYSSTA PANAMA CITY	Yes	Yes	0	\$19,755	13
NAVEODTECHDIV INDIAN	Yes	Yes	1	\$39,971	14
NAVSEA DET NISMF PEARL	Yes	No	0	\$705	0
NAVSHIPYD NORFOLK	Yes	Yes	1	\$427,363	695
NAVSHIPYD PORTSMOUTH	Yes	Yes	1	\$377,903	1,454
NAVSHIPYD PUGET SOUND	Yes	No	1	\$5,314,162	27,584
NSWC CRANE	Yes	No	1	\$211,477	355
NSWC DET BAYVIEW	Yes	Yes	0	\$7,547	6
NSWC DIV CARDEROCK	Yes	Yes	0	\$42,675	12
NSWC DIV DAHLGREN	Yes	Yes	1	\$14,444	19
NSWC DIV INDIAN HEAD	Yes	Yes	1	\$526,303	486
NSWC SHIPSYSSENGSTA	Yes	Yes	0	\$25,579	26
NUWC DET AUTEC ANDROS	Yes	Yes	0	\$35,670	196
NUWC DIV KEYPORT	Yes	Yes	1	\$1,303,486	1,402
NUWC DIV NEWPORT	Yes	Yes	0	\$70,454	177
SUPSHIP BATH	Yes	No	0	\$5,063	2
SUPSHIP JACKSONVILLE	No	No	0	\$10,336	13
SUPSHIP NEWPORT NEWS	Yes	No	0	0	46
SURFCOMBATSYSCEN	Yes	Yes	0	0	3
<b>NAVSEA TOTAL:</b>	<b>18</b>	<b>13</b>	<b>8</b>	<b>\$8,432,892</b>	<b>32,504</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**NAVAL SEA SYSTEMS COMMAND (NAVSEA)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
COASYSSTA PANAMA CITY	13	7	0	0	0	10	11	20
NAVEODTECHDIV INDIAN HEAD	14	0	0	4	0	0	10	10
NAVSEA DET NISMF PEARL	0	0	0	0	0	0	0	0
NAVSHIPYD NORFOLK	695	25	42	0	0	0	677	677
NAVSHIPYD PORTSMOUTH	1,454	0	0	0	0	177	1,278	1,454
NAVSHIPYD PUGET SOUND	27,584	5	11	2,910	0	88	24,580	24,668
NSWC CRANE	355	0	2	3	0	13	337	351
NSWC DET BAYVIEW	6	0	0	0	0	5	1	6
NSWC DIV CARDEROCK	12	3	0	0	0	3	11	14
NSWC DIV DAHLGREN	19	1	1	4	0	0	15	15
NSWC DIV INDIAN HEAD	486	39	33	255	0	3	234	237
NSWC SHIPSYSENGSTA	26	6	0	0	0	0	33	33
NUWC DET AUTEC ANDROS ISL	196	3	79	0	0	2	119	121
NUWC DIV KEYPORT	1,402	122	92	13	0	0	1,419	1,419
NUWC DIV NEWPORT	177	9	20	0	0	14	152	166
SUPSHIP BATH	2	0	0	0	0	0	2	2
SUPSHIP JACKSONVILLE	13	0	0	0	0	0	13	13
SUPSHIP NEWPORT NEWS	46	0	0	0	0	0	46	46
SURFCOMBATSYSCEN WALLOPS	3	0	0	0	0	0	3	3
<b>NAVSEA TOTAL:</b>	<b>32,504</b>	<b>220</b>	<b>280</b>	<b>3,188</b>	<b>0</b>	<b>315</b>	<b>28,941</b>	<b>29,256</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWCA (\$)	Diversion
N00102 NAVSHIPYD PORTSMOUTH	700	58,800	700	19,600	0	0	2,494	0	0	187,050	64%	346,684	79%
N00164 NSWC CRANE	1,875	78,388	0	0	0	0	2,107	76,896	396,416	398,533	53%	411,643	21%
N00167 NSWC DIV CARDEROCK	689	78,332	0	0	0	0	373	23,805	4,178	-3,215	35%	-6,114	25%
101 N00174 NSWC DIV INDIAN HEAD	949	348,592	3	2,140	0	0	477	78,689	6,822	-42,770	33%	-40,322	35%
N00178 NSWC DIV DAHLGREN	1,905	395,856	0	0	0	0	943	81,446	15,925	-33,459	33%	30,653	47%
N00181 NAVSHIPYD NORFOLK	3,396	399,176	7,390	449,340	0	0	3,258	345,407	9,650	-221,727	23%	-123,519	31%
N00253 NUWC DIV KEYPORT	661	95,222	0	0	0	0	300	146,355	39,869	-91,186	31%	-91,186	31%
N45534 AEGIS COMBAT SYS CEN WALLOPS ISL	766	43,066	0	0	10	0	95	3,479	0	826	12%	10,596	16%
N57026 NAVSEA DET NISMF PEARL HARBOR	65	2,983	39	996	2	20,939	1	163	0	-20,396	3%	-19,759	6%
N61331 COASYSSTA PANAMA CITY	389	34,379	2,357	136,856	0	0	31	93,297	0	-92,522	1%	-88,936	5%

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCA (\$)	Diversion
N63821 NUWC DET AUTEC ANDROS ISL	1,220	254,278	0	0	0	0	91	35,318	1,908	-29,088	7%	-28,540	8%
N64267 NWADIV CORONA	289	53,000	0	0	25	1,205	12	0	1,390	1,295	11%	1,295	11%
N65540 NSWC SHIPSYSENGSTA PHILADELPHI	856	118,960	0	0	0	0	461	0	5,872	37,681	35%	225,074	82%
N66604 NUWC DIV NEWPORT	418	43,971	30	9,180	0	0	657	9,171	12,772	167,852	59%	169,703	58%
N91192 NIROP FRIDLEY MN	246	48,500	0	0	0	0	315	42,000	9,932	-18,681	56%	-26,496	49%
N91571 ABL ROCKET CENTER WV	462	139,293	0	0	0	0	1,638	0	647,458	716,254	78%	715,140	74%
<b>NAVSEA TOTAL:</b>	<b>14,886</b>	<b>\$2,192,797</b>	<b>10,519</b>	<b>\$618,112</b>	<b>37</b>	<b>\$22,144</b>	<b>13,253</b>	<b>\$936,025</b>	<b>\$1,152,193</b>	<b>\$956,447</b>	<b>34%</b>	<b>\$1,485,914</b>	<b>40%</b>

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**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00102 NAVSHIPYD PORTSMOUTH	Yes	No	No	0	0	0	0
N00164 NSWC CRANE	Yes	Yes	Yes	1,187	\$306,313.74	\$53,396.00	\$252,918
N00167 NSWC DIV CARDEROCK	Yes	No	No	0	0	0	0
N00174 NSWC DIV INDIAN HEAD	Yes	No		196	\$6,822.00	\$78,689.00	(\$71,867)
N00178 NSWC DIV DAHLGREN	Yes	No	Yes	425	\$15,925.00	\$81,446.00	(\$65,521)
N00181 NAVSHIPYD NORFOLK	Yes	No	No	0	0	0	0
N00253 NUWC DIV KEYPORT	No	No	No	0	0	0	0
N45534 AEGIS COMBAT SYS CEN WALLOPS	Yes	No	Yes	95	0	\$3,479.00	(\$3,479)
N57026 NAVSEA DET NISMF PEARL HARBOR	Yes	No	No	0	0	0	0
N61331 COASYSSTA PANAMA CITY	Yes	No	No	0	0	0	0
N63821 NUWC DET AUTECH ANDROS ISL	Yes	No	Yes	91	\$1,907.57	\$35,318.00	(\$33,410)
N64267 NWADIV CORONA	No	No	No	0	0	0	0
N65540 NSWC SHIPSYSSENGSTA PHILADELPHI	No	No	No	0	0	0	0
N66604 NUWC DIV NEWPORT	Yes	No	No	0	0	0	0
N91192 NIROP FRIDLEY MN	No	No	No	0	0	0	0
N91571 ABL ROCKET CENTER WV	No	No	No	0	0	0	0
<b>NAVSEA TOTAL:</b>	<b>11</b>	<b>1</b>	<b>5</b>	<b>1,994</b>	<b>\$330,968.31</b>	<b>\$252,328.00</b>	<b>\$78,640</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL SEA SYSTEM COMMAND (NAVSEA)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00102	NAVSHIPYD PORTSMOUTH							
	C&D	0	0	2,705.00	9,532	0		
	Oils	0	0	44.20	34,923	0		
	Lead-Acid Batteries	0	0	8.96	2,773	0		
	Antifreeze	7.36	4,765	0	0	0		
		<b>7.36</b>	<b>\$4,765</b>	<b>2,758.16</b>	<b>\$47,228</b>	<b>0</b>	<b>\$34</b>	<b>99%</b>
N00164	NSWC CRANE							
	C&D	7,539.00	29,961	300.00	0	0		
	Oils	25.00	0	0	0	1,333		
	Antifreeze	3.86	0	0.70	500	420		
	Lead-Acid Batteries	0	0	34.75	0	611		
		<b>7,567.86</b>	<b>\$29,961</b>	<b>335.45</b>	<b>\$500</b>	<b>\$2,363</b>	<b>\$13,110</b>	<b>4%</b>
N00167	NSWC DIV CARDEROCK							
	Lead-Acid Batteries	0	0	3.60	0	0		
	C&D	470.65	26,547	0	0	0		
	Oils	0	0	7.27	3,364	0		
	Antifreeze	0	0	0.01	13	0		
		<b>470.65</b>	<b>\$26,547</b>	<b>10.87</b>	<b>\$3,377</b>	<b>0</b>	<b>(\$2,899)</b>	<b>2%</b>
N00174	NSWC DIV INDIAN HEAD							
	Lead-Acid Batteries	0	0	34.00	0	50		
	Oils	0	0	4.00	0	0		
	Antifreeze	0	0	1.31	0	0		
		<b>0</b>	<b>0</b>	<b>39.31</b>	<b>0</b>	<b>\$50</b>	<b>\$2,398</b>	<b>100%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL SEA SYSTEM COMMAND (NAVSEA)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues(\$)	OSW ISWMCA(\$)	OSW % Diversion
N00178 NSWCDIV DAHLGREN							
Oils	1.50	498	15.25	0	0		
Antifreeze	0	0	1.43	2,480	0		
Lead-Acid Batteries	0	0	17.96	17,638	0		
C&D	2,011.60	36,789	2,442.70	0	0		
	<b>2,013.10</b>	<b>\$37,286</b>	<b>2,477.34</b>	<b>\$20,118</b>	<b>0</b>	<b>\$64,112</b>	<b>92%</b>
N00181 NAVSHIPYD NORFOLK							
C&D	2,390.00	0	2,801.00	0	0		
Oils	36.25	0	0	0	0		
Antifreeze	6.36	1,909	0	0	0		
Lead-Acid Batteries	0.04	950	4.95	0	0		
	<b>2,432.65</b>	<b>\$2,859</b>	<b>2,805.95</b>	<b>0</b>	<b>0</b>	<b>\$98,208</b>	<b>54%</b>
N45534 AEGIS COMBAT SYS CEN WALLOPS ISL							
Oils	0.18	0	0	0	0		
C&D	107.26	16,547	63.90	0	7,150		
	<b>107.44</b>	<b>\$16,547</b>	<b>63.90</b>	<b>0</b>	<b>\$7,150</b>	<b>\$9,770</b>	<b>37%</b>
N57026 NAVSEA DET NISMF PEARL HARBOR							
Lead-Acid Batteries	0	0	3.30	139	0		
	<b>0</b>	<b>0</b>	<b>3.30</b>	<b>\$139</b>	<b>0</b>	<b>\$637</b>	<b>100%</b>
N61331 COASYSSTA PANAMA CITY							
C&D	566.00	20,590	150.00	0	0		
Oils	37.00	2,310	0	0	0		
Antifreeze	1.00	139	0	0	0		
Lead-Acid Batteries	0	0	1.00	189	0		
	<b>604.00</b>	<b>\$23,039</b>	<b>151.00</b>	<b>\$189</b>	<b>0</b>	<b>\$3,586</b>	<b>20%</b>



**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL SEA SYSTEM COMMAND (NAVSEA)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N63821	NUWC DET AUTEC ANDROS ISL							
	C&D	80.00	4,800	12.00	640	0		
	Oils	5.65	0	0	0	0		
	Lead-Acid Batteries		0	13.00	0	0		
		<b>85.65</b>	<b>\$4,800</b>	<b>25.00</b>	<b>\$640</b>	<b>0</b>	<b>\$548</b>	<b>23%</b>
N65540	NSWC SHIPSYSENGSTA PHILADELPHI							
	C&D	225.00	12,079	4,491.00	122,776	0		
	Lead-Acid Batteries	0	0	3.43	0	0		
	Oils	4.40	18,840	2.00	85	0		
	Antifreeze	0.22	924	0	0	0		
		<b>229.62</b>	<b>\$31,843</b>	<b>4,496.43</b>	<b>\$122,861</b>	<b>0</b>	<b>\$187,392</b>	<b>95%</b>
N66604	NUWC DIV NEWPORT							
	C&D	60.81	5,435	28.91	0	0		
	Oils	0	0	4.64	2,527	0		
	Lead-Acid Batteries	0	0	4.71	5,187	0		
		<b>60.81</b>	<b>\$5,435</b>	<b>38.26</b>	<b>\$7,714</b>	<b>0</b>	<b>\$1,851</b>	<b>39%</b>
N91192	NIROP FRIDLEY MN							
	C&D	76.40	10,300	10.10	5,100	300		
	Oils	20.40	2,700	1.30	3,500	0		
		<b>96.80</b>	<b>\$13,000</b>	<b>11.40</b>	<b>\$8,600</b>	<b>\$300</b>	<b>(\$7,816)</b>	<b>11%</b>
<b>NAVSEA TOTAL:</b>		<b>13,800.40</b>	<b>\$208,682</b>	<b>13,241.45</b>	<b>\$213,533</b>	<b>\$9,863</b>	<b>\$369,817</b>	<b>49%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
<b>N00102 NAVSHIPYD PORTSMOUTH</b>													
No	Yes	Yes	44	0	Yes	14	0	171	0	No	No	No	No
<b>N00164 NSWC CRANE</b>													
Yes	Yes	Yes	2	2	No	149	0	73	0	No	No	No	No
<b>N00167 NSWC DIV CARDEROCK</b>													
No	Yes	No	11	1	No	28	0	125	0	Yes	No	No	No
<b>N00174 NSWC DIV INDIAN HEAD</b>													
Yes	Yes	Yes	0	0	No	34	0	155	0	No	Yes	Yes	No
<b>N00178 NSWC DIV DAHLGREN</b>													
Yes	Yes	Yes	1	1	No	55	0	220	0	Yes	No	No	No
<b>N00181 NAVSHIPYD NORFOLK</b>													
Yes	No	No	2076	2076	No	2750	2	57	0	Yes	No	No	No
<b>N45534 SURFACE COMSYSCEN WALLOPS ISLAND</b>													
Yes	Yes	Yes	5	3	No	1	0	8	1	No	Yes	Yes	No
<b>N57026 NAVSEA DET NISMF PEARL HARBOR</b>													
Yes	Yes	No	0	0	No	0	0	0	0	No	No	No	No
<b>N61331 COASYSSTA PANAMA CITY</b>													
Yes	No	No	14	1	No	25	0	129	0	No	Yes	Yes	No
<b>N63821 NUWC DET AUTEC ANDROS ISL</b>													
Yes	Yes	Yes	16	4	Yes	7	0	1	1	Yes	No	No	No
<b>N64267 NWADIV CORONA</b>													
No	Yes	No	0	0	No	0	0	0	0	Yes	No	No	No
<b>N65540 NSWC SHIPSYSENGSTA PHILADELPHIA</b>													
No	Yes	No	78	2	No	22	0	143	2	No	Yes	Yes	No

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL SEA SYSTEMS COMMAND (NAVSEA)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N66604	NUWC DIV NEWPORT												
No	Yes	No	42	17	Yes	60	0	226	0	Yes	No	No	No
N91192	NIROP FRIDLEY MN												
Yes	Yes	No	4	0	No	33	0	0	0	Yes	No	No	No
N91571	ABL ROCKET CENTER WV												
Yes	No	No	2	2	No	9	9	15	0	No	Yes	Yes	Yes

**NAVSEA SUMMARY**

# of Installations with updated plans:	10	# of Acquisition Personnel:	3,187
# of Installations with office recycling program:	12	Acquisition Personnel trained in last 3 years:	11
# of Installations housing recycling programs:	6	# of Purchase Card Holders:	1,323
# of C&D projects started:	2,295	Purchase Card Holders trained in last 3 years:	4
C&D projects that include recycling:	2,109	# of Installations with Audits conducted in the last year:	7
# of Installations with a AP Plan or Instruction:	3	# of installations with Audit findings reported to senior levels:	5
		# of installation with Audit findings tracked by senior levels:	5
		# of Installation that assessed effectiveness of audits:	1

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 2.
2. Number of installations with a Solid Waste Management Plan (SWMP): 2.
3. Number of installations with a Qualified Recycling Program (QRP): 2.  
 Total Annual QRP Tons Recycled: 78  
 Total Annual QRP Costs: \$624.00  
 Total Annual QRP Revenues: \$4,041.00
4. Number of installations with composting facilities: 1.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	378	55,305	N/A
Incinerated	113	13,986	0
Composted	7	0	0
Recycled	*83	624	4,041

7. Solid waste recycled summary by category (tons):

Food	0
Glass	1
Metals	10
Other Non-Food	4
Paper	47
Plastic	3
Wood	17
Yard/Green Waste	0
<b>Total Tons Recycled</b>	<b>*82</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	16.00	0	4.00	0	0
Oils	0.74	705	2.10	0	0
Antifreeze	0.01	355	1.42	0	0
Lead-Acid Batteries	0	0	0.50	0	0

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 2
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 1
3. Number of installations with a recycling program for office/administrative spaces: 2
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 1
5. Number of construction and demolition (C&D) projects started during the CY02: 4  
Number of projects that include recycling of C&D debris: 3
6. Number of installations that have an APP plan or instruction: 0
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 8
  - B. Number who received documented APP training within the last three years: 6
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 22
  - B. Number who received documented APP training within the last three years: 6
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 0
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 2
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 2
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 1
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			SW Operations		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWCA (\$)	Diversion
N31188 NAVSECGRUACT SUGAR GROVE	367	53,944	0	0	0	0	19	0	2,085	3,320	5%	3,841	7%
N43456 NAVSECGRUACT KUNIA	11	1,361	113	13,986	7	0	64	624	1,956	7,102	36%	7,102	36%
<b>NAVSECGR TOTAL:</b>	<b>378</b>	<b>\$55,305</b>	<b>113</b>	<b>\$13,986</b>	<b>7</b>	<b>0</b>	<b>83</b>	<b>\$624</b>	<b>\$4,041</b>	<b>\$10,422</b>	<b>15%</b>	<b>\$10,943</b>	<b>16%</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N31188 NAVSECGRUACT SUGAR GROVE	Yes	No	Yes	14	\$2,085.00	0	\$2,085
N43456 NAVSECGRUACT KUNIA	Yes	No	Yes	64	\$1,956.00	\$624.00	\$1,332
<b>NAVSECGR TOTAL:</b>	2	0	2	78	\$4,041.00	\$624.00	\$3,417

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues(\$)	OSW ISWMCA(\$)%	OSW % Diversion
N31188 NAVSECGRUACT SUGAR GROVE							
Lead-Acid Batteries	0	0	0.50	0	0		
Antifreeze	0.01	355	1.42	0	0		
Oils	0	173	2.10	0	0		
C&D	16.00	0	4.00	0	0		
	<b>16.01</b>	<b>\$528</b>	<b>8.02</b>	<b>0</b>	<b>0</b>	<b>\$521</b>	<b>33%</b>
N43456 NAVSECGRUACT KUNIA							
Oils	0.74	532	0	0	0		
	<b>0.74</b>	<b>\$532</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
<b>NAVSECGR TOTAL:</b>	<b>16.75</b>	<b>\$1,060</b>	<b>8.02</b>	<b>0</b>	<b>0</b>	<b>\$521</b>	<b>33%</b>



**SECTION 4 BACKUP DATA  
 FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
 NAVAL SECURITY GROUP COMMAND (NAVSECGR)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N31188	NAVSECGR	UACT	SUGAR GROVE										
No	Yes	Yes	4	3	No	0	0	16	0	No	Yes	Yes	No
N43456	NAVSECGR	UACT	KUNIA										
Yes	Yes	No	0	0	No	8	6	6	6	No	Yes	Yes	Yes

**NAVSECGR SUMMARY**

# of Installations with updated plans:	1	# of Acquisition Personnel:	8
# of Installations with office recycling program:	2	Acquisition Personnel trained in last 3 years:	6
# of Installations housing recycling programs:	1	# of Purchase Card Holders:	22
# of C&D projects started:	4	Purchase Card Holders trained in last 3 years:	6
C&D projects that include recycling:	3	# of Installations with Audits conducted in the last year:	0
# of Installations with a AP Plan or Instruction:	0	# of installations with Audit findings reported to senior levels:	2
		# of installation with Audit findings tracked by senior levels:	2
		# of Installation that assessed effectiveness of audits:	1

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 1.
2. Number of installations with a Pollution Prevention Plan: 1.
3. Total hazardous waste disposal cost: \$34,386.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 0.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	0	0	0	0	0	0	0
EP	0	0	0	0	0	0	0
ES	0	0	0	0	0	0	0
FC	3.00	0	0	0	0	0	3.00
FP	1.46	0	0	0	0	0	1.46
MX	0	0	0	0	0	0	0
NR	1.18	0	0	0	0	0	1.18
PD	0	0	0	0	0	0	0
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>5.65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5.65</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVSYSMGT**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 1.
2. Number of installations with a Solid Waste Management Plan (SWMP): 1.
3. Number of installations with a Qualified Recycling Program (QRP): 0.  
 Total Annual QRP Tons Recycled: 0  
 Total Annual QRP Costs: 0  
 Total Annual QRP Revenues: 0
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	364	15,304	N/A
Incinerated	123	12,346	0
Composted	353	4,830	0
Recycled	*625	7,717	0

7. Solid waste recycled summary by category (tons):

Food	27
Glass	9
Metals	444
Other Non-Food	7
Paper	15
Plastic	2
Wood	120
Yard/Green Waste	0
<b>Total Tons Recycled</b>	<b>*624</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	500.37	8,329	188.00	6,658	0
Oils	1.81	187	0	0	0
Antifreeze	0	0	0	0	0
Lead-Acid Batteries	0.05	69	0	0	0

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 1
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 1
3. Number of installations with a recycling program for office/administrative spaces: 1
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 1
5. Number of construction and demolition (C&D) projects started during the CY02: 20  
Number of projects that include recycling of C&D debris: 20
6. Number of installations that have an APP plan or instruction: 1
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 4
  - B. Number who received documented APP training within the last three years: 2
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 20
  - B. Number who received documented APP training within the last three years: 20
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 0
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 1
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 1
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 0
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
AFEXPTRAACT CAMP PEARY	0	0	0	0	0	6	5	4	6	18	6
<b>NAVSYSMGT TOTAL:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>18</b>	<b>6</b>

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
 NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

	<u>INSTALLATIONS</u>				
	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
AFETA CAMP PEARY	Yes	No	0	\$34,386	6
<b>NAVSYSMGT TOTAL:</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>\$34,386</b>	<b>6</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**  
**(Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
AFETA CAMP PEARY	6	0	0	0	0	3	3	6
<b>NAVSYSMGT TOTAL:</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>6</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			SW Operations		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWCA (\$)	Diversion
N63063 AFETA CAMP PEARY WILLIAMSBU	364	15,304	123	12,346	353	4,830	625	7,717	0	13,859	67%	12,277	54%
<b>NAVSYSMGT TOTAL:</b>	<b>364</b>	<b>\$15,304</b>	<b>123</b>	<b>\$12,346</b>	<b>353</b>	<b>\$4,830</b>	<b>625</b>	<b>\$7,717</b>	<b>0</b>	<b>\$13,859</b>	<b>67%</b>	<b>\$12,277</b>	<b>54%</b>



**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N63063 AFETA CAMP PEARY WILLIAMSBU	Yes	No	No	0	0	0	0
<b>NAVSYSMGT TOTAL:</b>	1	0	0	0	0	0	0

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N63063 AFETA CAMP PEARY WILLIAMSBU							
Lead-Acid Batteries	0.05	69	0	0	0		
Oils	1.81	187	0	0	0		
C&D	500.37	8,329	188.00	6,658	0		
	<b>502.23</b>	<b>\$8,584</b>	<b>188.00</b>	<b>\$6,658</b>	<b>0</b>	<b>(\$1,582)</b>	<b>27%</b>
<b>NAVSYSMGT TOTAL:</b>	<b>502.23</b>	<b>\$8,584</b>	<b>188.00</b>	<b>\$6,658</b>	<b>0</b>	<b>(\$1,582)</b>	<b>27%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL SYSTEMS MANAGEMENT COMMAND (NAVSYSMGT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N63063	AFETA	CAMP	PEARY	WILLIAMS	BU								
Yes	Yes	Yes	20	20	Yes	4	2	20	20	No	Yes	Yes	No

**NAVSYSMGT SUMMARY**

# of Installations with updated plans:	1	# of Acquisition Personnel:	4
# of Installations with office recycling program:	1	Acquisition Personnel trained in last 3 years:	2
# of Installations housing recycling programs:	1	# of Purchase Card Holders:	20
# of C&D projects started:	20	Purchase Card Holders trained in last 3 years:	20
C&D projects that include recycling:	20	# of Installations with Audits conducted in the last year:	0
# of Installations with a AP Plan or Instruction:	1	# of installations with Audit findings reported to senior levels:	1
		# of installation with Audit findings tracked by senior levels:	1
		# of Installation that assessed effectiveness of audits:	0

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 8.
2. Number of installations with a Pollution Prevention Plan: 8.
3. Total hazardous waste disposal cost: \$451,234.
4. Number of RCRA Subtitle C permits held by installations: 2.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 7.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	43.82	0.66	0	0	0	0	44.48
EP	0.86	0	0	0	0	0	0.86
ES	16.27	0	0	0	0	0	15.32
FC	75.40	0.65	0	1.58	0	0	74.47
FP	200.82	0.58	0	0.60	0	0	200.80
MX	0	0	0	0	0	0	0
NR	48.81	0	0	3.26	0	0	45.55
PD	89.30	1.64	0	1.37	0	0	89.57
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>475.27</b>	<b>3.35</b>	<b>0</b>	<b>7.76</b>	<b>0</b>	<b>0</b>	<b>471.05</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 10.
2. Number of installations with a Solid Waste Management Plan (SWMP): 8.
3. Number of installations with a Qualified Recycling Program (QRP): 8.  
 Total Annual QRP Tons Recycled: 8,169  
 Total Annual QRP Costs: \$494,343.46  
 Total Annual QRP Revenues: \$270,222.47
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	47,062	2,868,763	N/A
Incinerated	0	0	0
Composted	1,500	35,048	0
Recycled	*10,928	528,173	297,648

7. Solid waste recycled summary by category (tons):

Food	35
Glass	80
Metals	3,012
Other Non-Food	157
Paper	5,301
Plastic	99
Wood	188
Yard/Green Waste	2,056
Total Tons Recycled	*10,928

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	21,586.96	484,869	29,563.84	43,672	0
Oils	114.20	0	291.91	7,493	9,871
Antifreeze	4.77	4,432	14.51	2,394	0
Lead-Acid Batteries	1.30	1,364	54.19	5,500	3,073

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 10
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 5
3. Number of installations with a recycling program for office/administrative spaces: 9
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 10
5. Number of construction and demolition (C&D) projects started during the CY02: 66  
Number of projects that include recycling of C&D debris: 37
6. Number of installations that have an APP plan or instruction: 7
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 123
  - B. Number who received documented APP training within the last three years: 80
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 322
  - B. Number who received documented APP training within the last three years: 251
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 3
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 6
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 6
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 5
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
FCTCLANT VIRGINIA BEACH	48	45	76	81	68	46	55	37	0	0	0
FCTCPAC SAN DIEGO	5	0	2	15	2	1	1	0	0	0	0
FLEMINWARTRACEN	26	12	0	0	0	0	0	0	0	0	0
FLTRAGR PEARL HARBOR HI	0	7	36	0	0	0	0	0	0	0	0
NAS CORPUS CHRISTI	1,773	1,026	607	787	918	93	94	86	37	39	29
NAS KINGSVILLE	197	203	331	50	61	53	22	41	15	3	2
NAS MERIDIAN	73	119	87	13	44	89	56	36	22	39	22
NAS PENSACOLA	1,973	91	993	5,570	419	307	238	576	184	198	153
NAS WHITING FIELD	74	0	174	218	184	154	55	75	81	45	66
NAVPGSCOL MONTEREY	0	0	0	0	0	0	0	0	0	4	57
NTC GREAT LAKES	44	21	74	343	111	175	150	262	141	107	139
NTC ORLANDO	40	33	34	70	70	25	36	0	0	0	0
NTTC CORRY STATION	11	16	13	14	10	9	7	13	52	19	2
<b>NETC TOTAL:</b>	<b>4,264</b>	<b>1,576</b>	<b>2,426</b>	<b>7,160</b>	<b>1,887</b>	<b>951</b>	<b>714</b>	<b>1,126</b>	<b>534</b>	<b>454</b>	<b>471</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAS CORPUS CHRISTI	Yes	Yes	1	\$16,112	33
NAS KINGSVILLE	Yes	Yes	0	\$46,060	3
NAS MERIDIAN	Yes	Yes	0	\$34,330	21
NAS PENSACOLA	Yes	Yes	1	\$91,632	153
NAS WHITING FIELD	Yes	No	0	\$43,370	66
NAVPGSCOL MONTEREY	Yes	Yes	0	\$6,213	57
NTC GREAT LAKES	Yes	Yes	0	\$212,576	139
NTTC CORRY STATION	Yes	Yes	0	\$941	2
<b>NETC TOTALS:</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>\$451,234</b>	<b>474</b>



**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)  
(Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NAS CORPUS CHRISTI	33	1	5	0	0	5	24	29
NAS KINGSVILLE	3	0	1	0	0	0	2	2
NAS MERIDIAN	21	3	2	0	0	0	22	22
NAS PENSACOLA	153	0	0	0	0	0	153	153
NAS WHITING FIELD	66	0	0	0	0	0	66	66
NAVPGSCOL MONTEREY	57	0	0	0	0	36	21	57
NTC GREAT LAKES	139	0	0	0	0	0	139	139
NTTC CORRY STATION	2	0	0	0	0	0	2	2
<b>NETC TOTAL:</b>	<b>474</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>41</b>	<b>430</b>	<b>471</b>

**SECTION 4 BACKUP DATA  
CY02 P2ADS SOLID WASTE OPERATIONS  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWCA (\$)	Diversion
<b>N00204 NAS PENSACOLA</b>	11,678	712,375	0	0	500	16,848	3,162	132,405	161,113	110,734	24%	117,870	21%
<b>N00210 NTC GREAT LAKES</b>	14,669	1,202,290	0	0	299	0	3,011	65,200	78,595	261,645	18%	2,422,511	61%
<b>N00216 NAS CORPUS CHRISTI</b>	5,104	518,286	0	0	0	0	1,393	167,937	32,553	-96,841	21%	-90,185	8%
<b>N60241 NAS KINGSVILLE</b>	686	12,339	0	0	0	0	91	40,000	1,580	-36,782	12%	0	0%
<b>N60508 NAS WHITING FIELD</b>	8,920	103,185	0	0	700	18,200	957	6,551	0	28,273	16%	32,887	16%
<b>N62271 NAVPGSCOL MONTEREY</b>	615	12,480	0	0	0	0	870	0	0	26,100	59%	22,879	59%
<b>N62741 NAVSCSCOL ATHENS</b>	391	25,300	0	0	0	0	170	0	783	6,563	30%	6,563	28%
<b>N63043 NAS MERIDIAN</b>	1,805	169,000	0	0	0	0	1,106	108,390	2,100	38,710	38%	0	0%
<b>N63082 NTTC CORRY STATION PENSACOLA</b>	2,274	83,257	0	0	0	0	143	6,805	13,902	10,958	6%	11,078	6%
<b>N68322 NETPMSA SAUFLEY FIELD</b>	920	30,250	0	0	1	0	25	885	5,023	4,840	3%	4,840	3%
<b>NETC TOTAL:</b>	<b>47,062</b>	<b>\$2,868,763</b>	<b>0</b>	<b>0</b>	<b>1,500</b>	<b>\$35,048</b>	<b>10,928</b>	<b>\$528,173</b>	<b>\$295,648</b>	<b>\$354,200</b>	<b>21%</b>	<b>\$2,528,444</b>	<b>38%</b>

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**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL EDUCATION AND TRAINING (NETC)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00204 NAS PENSACOLA	Yes	No	Yes	3,162	\$161,113.00	\$132,405.51	\$28,707
N00210 NTC GREAT LAKES	Yes	No	Yes	3,009	\$78,594.64	\$64,000.00	\$14,595
N00216 NAS CORPUS CHRISTI	Yes	No	Yes	466	\$7,127.00	\$141,858.00	(\$134,731)
N60241 NAS KINGSVILLE	Yes	No	Yes	91	\$1,579.69	\$40,000.00	(\$38,420)
N60508 NAS WHITING FIELD	No	No	No	0	0	0	0
N62271 NAVPGSCOL MONTEREY	No	No	No	0	0	0	0
N62741 NAVSCSCOL ATHENS	Yes	No	Yes	170	\$783.00	0	\$783
N63043 NAS MERIDIAN	Yes	No	Yes	1,106	\$2,100.00	\$108,390.00	(\$106,290)
N63082 NTTC CORRY STATION PENSACOLA	Yes	No	Yes	143	\$13,902.14	\$6,804.95	\$7,097
N68322 NETPMSA SAUFLEY FIELD	Yes	No	Yes	22	\$5,023.00	\$885.00	\$4,138
<b>NETC TOTALS:</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8,169</b>	<b>\$270,222.47</b>	<b>\$494,343.46</b>	<b>(\$224,121)</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00204	NAS PENSACOLA							
	Oils	0	0	130.00	0	3,626		
	Antifreeze	2.00	2,190	0	0	0		
	Lead-Acid Batteries	1.00	740	0	0	0		
	C&D	2,817.00	168,098	0	0	0		
		<b>2,820.00</b>	<b>\$171,028</b>	<b>130.00</b>	<b>0</b>	<b>\$3,626</b>	<b>\$7,136</b>	<b>4%</b>
N00210	NTC GREAT LAKES							
	C&D	5,930.00	33,225	29,421.00	43,672	0		
	Oils	0	0	37.00	0	0		
	Antifreeze	0	0	7.10	1,180	0		
	Lead-Acid Batteries	0	0	7.00	5,500	811		
		<b>5,930.00</b>	<b>\$33,225</b>	<b>29,472.10</b>	<b>\$50,352</b>	<b>\$811</b>	<b>0</b>	<b>0%</b>
N00216	NAS CORPUS CHRISTI							
	Lead-Acid Batteries	0	0	3.05	0	0		
	Antifreeze	1.26	658	5.03	0	0		
	Oils	70.94	0	0	0	2,480		
	C&D	12,235.44	273,269	142.84	0	0		
		<b>12,307.64</b>	<b>\$273,927</b>	<b>150.92</b>	<b>0</b>	<b>\$2,480</b>	<b>\$6,656</b>	<b>1%</b>
N60241	NAS KINGSVILLE							
	Lead-Acid Batteries	0	0	13.16	0	162		
	C&D	35.00	630	0	0	0		
	Oils	40.26	0	0	0	1,220		
	Antifreeze	0.31	275	0	0	0		
		<b>75.57</b>	<b>\$905</b>	<b>13.16</b>	<b>0</b>	<b>\$1,382</b>	<b>\$1,220</b>	<b>0%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE SUMMARY  
NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N60508	NAS WHITING FIELD							
	C&D	10.00	0	0	0	0		
	Oils	0	0	68.40	0	2,425		
	Antifreeze	1.20	1,310	0	0	0		
	Lead-Acid Batteries	0.30	624	0	0	0		
		<b>11.50</b>	<b>\$1,934</b>	<b>68.40</b>	<b>0</b>	<b>\$2,425</b>	<b>\$4,613</b>	<b>86%</b>
N62271	NAVPGSCOL MONTEREY							
	Antifreeze	0	0	0.38	844	0		
	Oils	0	0	9.51	2,854	0		
	Lead-Acid Batteries	0	0	5.99	0	0		
	C&D	10.52	2,734	0	0	0		
		<b>10.52</b>	<b>\$2,734</b>	<b>15.87</b>	<b>\$3,698</b>	<b>0</b>	<b>(\$3,221)</b>	<b>60%</b>
N62741	NAVSCSCOL ATHENS							
	C&D	46.00	6,913	0	0	0		
		<b>46.00</b>	<b>\$6,913</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N63043	NAS MERIDIAN							
	C&D	503.00	0	0	0	0		
	Oils	0	0	47.00	4,639	0		
	Antifreeze	0	0	2.00	370	0		
	Lead-Acid Batteries	0	0	25.00	0	2,100		
		<b>503.00</b>	<b>0</b>	<b>74.00</b>	<b>\$5,009</b>	<b>\$2,100</b>	<b>(\$319)</b>	<b>13%</b>
N63082	NTTC CORRY STATION PENSACOLA							
	Oils	3.00	0	0	0	120		
		<b>3.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$120</b>	<b>\$120</b>	<b>0%</b>
<b>NETC TOTAL</b>		<b>21,707.23</b>	<b>\$490,666</b>	<b>29,924.45</b>	<b>\$59,058</b>	<b>\$12,943</b>	<b>\$16,205</b>	<b>58%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

Updated Plans	Recycling Programs		-----C&D-----			-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling	AP Plan	Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N00204	NAS PENSACOLA												
No	Yes	Yes	1	1	Yes	6	6	65	65	Yes	No	No	Yes
N00210	NTC GREAT LAKES												
No	Yes	Yes	24	3	Yes	36	0	67	64	No	Yes	Yes	Yes
N00216	NAS CORPUS CHRISTI												
Yes	Yes	Yes	3	1	Yes	3	0	41	0	Yes	No	No	No
N60241	NAS KINGSVILLE												
Yes	Yes	Yes	19	19	Yes	60	60	60	60	No	Yes	Yes	Yes
135	N60508	NAS WHITING FIELD											
No	Yes	Yes	1	1	Yes	4	4	22	0	No	Yes	Yes	No
N62271	NAVPGSCOL MONTEREY												
Yes	No	Yes	0	2	Yes	3	0	0	0	No	Yes	Yes	No
N62741	NAVSCSCOL ATHENS												
Yes	Yes	Yes	1	1	No	1	0	5	0	Yes	No	No	No
N63043	NAS MERIDIAN												
Yes	Yes	Yes	17	9	No	3	3	22	22	No	Yes	Yes	Yes
N63082	NTTC CORRY STATION PENSACOLA												
No	Yes	Yes	0	0	No	0	0	0	0	No	No	No	No
N68322	NETPMSA SAUFLEY FIELD												
No	Yes	Yes	0	0	Yes	7	7	40	40	No	Yes	Yes	Yes

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**NETC SUMMARY**

# of Installations with updated plans:	5	# of Acquisition Personnel:	123
# of Installations with office recycling program:	9	Acquisition Personnel trained in last 3 years:	80
# of Installations housing recycling programs:	10	# of Purchase Card Holders:	322
# of C&D projects started:	66	Purchase Card Holders trained in last 3 years:	251
C&D projects that include recycling:	37	# of Installations with Audits conducted in the last year:	3
# of Installations with a AP Plan or Instruction:	7	# of installations with Audit findings reported to senior levels:	6
		# of installation with Audit findings tracked by senior levels:	6
		# of Installation that assessed effectiveness of audits:	5

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL NETWORK OPERATIONS COMMAND (NNOC)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 1.
2. Number of installations with a Pollution Prevention Plan: 1.
3. Total hazardous waste disposal cost: \$1,940.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 1.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	0	0	0	0	0	0	0
EP	0	0	0	0	0	0	0
ES	4.54	0.30	0	4.55	0	0	0.29
FC	0	0	0	0	0	0	0
FP	0	0	0	0	0	0	0
MX	0	0	0	0	0	0	0
NR	1,241.49	40.20	0	0	0	0	1,281.69
PD	0	0	0	0	0	0	0
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>1,246.03</b>	<b>40.50</b>	<b>0</b>	<b>4.55</b>	<b>0</b>	<b>0</b>	<b>1,281.98</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.



**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL NETWORK OPERATIONS COMMAND (NNOC)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAVCOMMSTA H E HOLT	1	0	0	0	0	0	0	0	0	0	0
NAVCOMMSTA STOCKTON	326	0	46	30	51	335	108	66	14	6	0
NAVCOMTELSTA CUTLER	192	28	10	38	51	77	63	65	700	229	1,282
NCTAMS MED	0	0	3	3	0	0	0	0	0	0	0
NCTAMS WESTPAC GUAM	0	0	0	0	19	0	0	0	0	0	0
<b>NNOC TOTAL:</b>	<b>519</b>	<b>28</b>	<b>59</b>	<b>71</b>	<b>122</b>	<b>413</b>	<b>171</b>	<b>131</b>	<b>715</b>	<b>235</b>	<b>1,282</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL NETWORK OPERATIONS COMMAND (NNOC)**

	<b>INSTALLATIONS</b>				
	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NCTAMS LANT DET CUTLER	Yes	Yes	0	\$1,940	1,246
<b>NNOC TOTAL:</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>\$1,940</b>	<b>1,246</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**NAVAL NETWORK OPERATIONS COMMAND (NNOC)**  
**(Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NCTAMS LANT DET CUTLER	1,246	40	5	0	0	0	1,282	1,282
<b>CLAIMANT TOTAL:</b>	<b>1,246</b>	<b>40</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,282</b>	<b>1,282</b>

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL RESERVE FORCES (NVRESFOR)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 5.
2. Number of installations with a Pollution Prevention Plan: 5.
3. Total hazardous waste disposal cost: \$346,425.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 5.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	7.97	0.16	0	0	0	0	8.13
EP	0	0	0	0	0	0	0
ES	22.99	0.82	0	2.02	0	0	21.79
FC	96.18	0	0	0.90	0	5.87	89.40
FP	131.36	0	0	1.51	0	5.98	123.87
MX	0	0	0	0	0	0	0
NR	46.85	3.77	0	0	0	0	50.63
PD	66.10	0	0	1.19	0	0	64.91
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>371.45</b>	<b>4.76</b>	<b>0</b>	<b>5.63</b>	<b>0</b>	<b>11.85</b>	<b>358.73</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL RESERVE FORCE (NVRESFOR)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 5.
2. Number of installations with a Solid Waste Management Plan (SWMP): 5.
3. Number of installations with a Qualified Recycling Program (QRP): 5.  
 Total Annual QRP Tons Recycled: 4,364  
 Total Annual QRP Costs: \$212,233.60  
 Total Annual QRP Revenues: \$97,367.82
4. Number of installations with composting facilities: 1.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	9,388	519,869	N/A
Incinerated	638	56,475	0
Composted	120	0	0
Recycled	*4,364	220,334	97,368

7. Solid waste recycled summary by category (tons):

Food	5
Glass	112
Metals	615
Other Non-Food	295
Paper	2,600
Plastic	97
Wood	16
Yard/Green Waste	624
Total Tons Recycled	*4,364

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	313.33	186,853	20,932.53	185,931	0
Oils	0	0	557.17	40,327	12,294
Antifreeze	4.41	10,124	3.00	1,361	0
Lead-Acid Batteries	0	0	13.06	0	396

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
NAVAL RESERVE FORCE (NVRESFOR)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 5
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 3
3. Number of installations with a recycling program for office/administrative spaces: 5
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 5
5. Number of construction and demolition (C&D) projects started during the CY02: 17  
Number of projects that include recycling of C&D debris: 17
6. Number of installations that have an APP plan or instruction: 4
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 39
  - B. Number who received documented APP training within the last three years: 30
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 174
  - B. Number who received documented APP training within the last three years: 148
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 3
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 1
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 1
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 0
11. Affirmative Procurement Program success stories: See Appendix D.

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**NAVAL RESERVE FORCES (NVRESFOR)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAF DETROIT MI	8	9	0	0	0	0	0	0	0	0	0
NAS ATLANTA	0	17	8	13	8	12	45	42	13	49	89
NAS JRB FORT WORTH	0	0	31	5	186	237	1,626	1,001	584	49	44
NAS JRB NEW ORLEANS	55	91	58	45	41	83	111	63	36	67	77
NAS JRB WILLOW GROVE	381	92	86	83	72	49	28	25	51	62	133
NAVAIRES SANTA CLARA	27	0	54	49	74	62	68	0	0	0	0
NAVMARCORESCEN ENCINO	0	0	0	0	0	0	6	0	0	0	0
NAVSUPPACT NEW ORLEANS	2	12	16	10	15	26	29	22	20	10	17
<b>NVRESFOR TOTAL:</b>	<b>474</b>	<b>221</b>	<b>253</b>	<b>204</b>	<b>397</b>	<b>469</b>	<b>1,913</b>	<b>1,153</b>	<b>704</b>	<b>237</b>	<b>359</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
NAVAL RESERVE FORCES (NVRESFOR)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAS ATLANTA	Yes	Yes	0	\$16,613	89
NAS JRB FORT WORTH	Yes	Yes	0	\$233,419	45
NAS JRB NEW ORLEANS	Yes	Yes	0	\$40,701	74
NAS JRB WILLOW GROVE	Yes	Yes	0	\$42,601	145
NAVSUPPACT NEW ORLEANS	Yes	Yes	0	\$13,091	18
<b>NVRESFOR TOTALS</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>\$346,425</b>	<b>371</b>



**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**NAVAL RESERVE FORCES (NVRESFOR)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NAS ATLANTA	89	0	0	0	0	0	89	89
NAS JRB FORT WORTH	45	0	1	0	0	35	8	44
NAS JRB NEW ORLEANS	74	5	3	0	0	0	77	77
NAS JRB WILLOW GROVE	145	0	0	0	12	79	53	133
NAVSUPPACT NEW ORLEANS	18	0	2	0	0	0	17	17
<b>NVRESFOR TOTAL:</b>	<b>371</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>12</b>	<b>115</b>	<b>244</b>	<b>359</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
NAVAL RESERVE FORCE (NVRESFOR)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			SW Operations		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	<u>Cost (\$)</u> Avoided	<u>%</u> Diversion	<u>ISWCA (\$)</u>	<u>Diversion</u>
N00158 NAS JRB WILLOW GROVE	0	0	638	56,475	0	0	363	8,618	15,056	38,574	36%	39,375	38%
N00196 NAS ATLANTA	920	28,500	0	0	0	0	96	100	3,626	6,790	9%	10,976	18%
N00205 NAVSUPACT NEW ORLEANS	6,064	282,744	0	0	0	0	335	7,200	6,470	10,325	5%	11,417	5%
<sup>147</sup> N00206 NAS JRB NEW ORLEANS	581	81,355	0	0	120	0	848	40,000	4,075	-3,981	62%	16,920	69%
N83447 NAS JRB FORT WORTH	1,823	127,270	0	0	0	0	2,722	164,416	68,140	107,875	60%	-313,694	92%
<b>NVRESFOR Total:</b>	<b>9,388</b>	<b>\$519,869</b>	<b>638</b>	<b>\$56,475</b>	<b>120</b>	<b>0</b>	<b>4,364</b>	<b>\$220,334</b>	<b>\$97,368</b>	<b>\$159,584</b>	<b>31%</b>	<b>(\$235,006)</b>	<b>72%</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
NAVAL RESERVE FORCE (NVRESFOR)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00158 NAS JRB WILLOW GROVE	Yes	No	Yes	363	\$15,056.00	\$8,618.00	\$6,438
N00196 NAS ATLANTA	Yes	No	Yes	96	\$3,626.00	\$100.00	\$3,526
N00205 NAVSUPPACT NEW ORLEANS	Yes	No	Yes	335	\$6,470.30	\$7,200.00	(\$730)
N00206 NAS JRB NEW ORLEANS	Yes	No	Yes	848	\$4,075.23	\$31,900.00	(\$27,825)
N83447 NAS JRB FORT WORTH	Yes	No	Yes	2,722	\$68,140.29	\$164,415.60	(\$96,275)
<b>NVRESFOR TOTALS:</b>	5	0	5	4,364	\$97,367.82	\$212,233.60	(\$114,866)

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
NAVAL RESERVE FORCE (NVRESFOR)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00158	NAS JRB WILLOW GROVE							
	Oils	0	0	39.00	0	424		
	Lead-Acid Batteries	0	0	12.00	0	396		
	C&D	127.00	19,800	64.00	10,200	0		
		<b>127.00</b>	<b>\$19,800</b>	<b>115.00</b>	<b>\$10,200</b>	<b>\$820</b>	<b>\$801</b>	<b>48%</b>
N00196	NAS ATLANTA							
	Oils	0	0	53.32	0	763		
149	Antifreeze	1.60	1,707	0	0	0		
	Lead-Acid Batteries	0	0	0.06	0	0		
	C&D	0	0	47.31	0	0		
		<b>1.60</b>	<b>\$1,707</b>	<b>100.69</b>	<b>0</b>	<b>\$763</b>	<b>\$4,186</b>	<b>98%</b>
N00205	NAVSUPPACT NEW ORLEANS							
	Antifreeze	1.21	3,626	0	0	0		
	Oils	0	0	16.37	0	551		
	C&D	0	0	0	0	0		
		<b>1.21</b>	<b>\$3,626</b>	<b>16.37</b>	<b>0</b>	<b>\$551</b>	<b>\$1,091</b>	<b>93%</b>
N00206	NAS JRB NEW ORLEANS							
	C&D	3.89	0	0	0	0		
	Antifreeze	1.60	4,791	0	0	0		
	Oils	0	0	313.48	0	10,556		
		<b>5.49</b>	<b>\$4,791</b>	<b>313.48</b>	<b>0</b>	<b>\$10,556</b>	<b>\$20,901</b>	<b>98%</b>
N83447	NAS JRB FORT WORTH							
	C&D	182.44	167,053	20,821.22	175,731	0		
	Oils	0	0	135.00	40,327			
	Antifreeze	0	0	3.00	1,361	0		
	Lead-Acid Batteries	0	0	1.00	0	0		
		<b>182.44</b>	<b>\$167,053</b>	<b>20,960.22</b>	<b>\$217,419</b>	<b>0</b>	<b>\$1,354,598</b>	<b>99%</b>
<b>NVRESFOR TOTAL</b>		<b>317.74</b>	<b>\$196,976</b>	<b>21,505.76</b>	<b>\$227,619</b>	<b>\$12,690</b>	<b>\$1,381,577</b>	<b>99%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**NAVAL RESERVE FORCE (NVRESFOR)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
<b>N00158 NAS JRB WILLOW GROVE</b>													
Yes	Yes	Yes	1	1	Yes	2	0	26	0	Yes	No	No	No
<b>N00196 NAS ATLANTA</b>													
Yes	Yes	Yes	1	1	No	29	24	24	24	No	No	No	No
<b>N00205 NAVSUPACT NEW ORLEANS</b>													
No	Yes	Yes	0	0	Yes	3	2	29	29	Yes	No	No	No
<b>N00206 NAS JRB NEW ORLEANS</b>													
150 Yes	Yes	Yes	5	5	Yes	2	1	40	40	Yes	No	No	No
<b>N83447 NAS JRB FORT WORTH</b>													
No	Yes	Yes	10	10	Yes	3	3	55	55	No	Yes	Yes	No

**NVRESFOR SUMMARY**

# of Installations with updated plans:	3	# of Acquisition Personnel:	39
# of Installations with office recycling program:	5	Acquisition Personnel trained in last 3 years:	30
# of Installations housing recycling programs:	5	# of Purchase Card Holders:	174
# of C&D projects started:	17	Purchase Card Holders trained in last 3 years:	148
C&D projects that include recycling:	17	# of Installations with Audits conducted in the last year:	3
# of Installations with a AP Plan or Instruction:	4	# of installations with Audit findings reported to senior levels:	1
		# of installation with Audit findings tracked by senior levels:	1
		# of Installation that assessed effectiveness of audits:	0

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 32.
2. Number of installations with a Pollution Prevention Plan: 31.
3. Total hazardous waste disposal cost: \$8,221,568.
4. Number of RCRA Subtitle C permits held by installations: 3.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 28.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	55.84	0	8.34	33.86	0	0	13.64
CP	215.07	0	0	0.64	0	0	214.44
EP	6.95	2.19	7.22	1.79	0	0	0.13
ES	649.01	28.16	9.19	83.31	0	7.17	577.49
FC	4,104.83	93.64	461.73	149.75	0	6.00	3,580.99
FP	2,451.99	277.42	247.12	391.26	2.40	213.36	1,875.28
MX	79.66	0	0	79.66	0	0	0
NR	1,644.22	97.37	266.09	80.70	57.86	0	1,336.94
PD	1,110.44	36.42	43.65	70.72	0	17.87	1,014.63
SP	2,637.61	31.68	100.93	38.17	0	5.99	2,524.21
<b>Total</b>	<b>12,955.62</b>	<b>566.88</b>	<b>1,144.27</b>	<b>929.86</b>	<b>60.25</b>	<b>250.39</b>	<b>11,137.73</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 30.
2. Number of installations with a Solid Waste Management Plan (SWMP): 28.
3. Number of installations with a Qualified Recycling Program (QRP): 25.  
 Total Annual QRP Tons Recycled: 27,206  
 Total Annual QRP Costs: \$3,167,362.00  
 Total Annual QRP Revenues: \$2,025,280.60
4. Number of installations with composting facilities: 3.
5. Number of installations that have an active RCRA permitted landfill: 2.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	132,144	9,534,877	N/A
Incinerated	31,864	6,904,081	0
Composted	15,490	227,336	0
Recycled	*63,340	3,858,400	5,066,322

7. Solid waste recycled summary by category (tons):

Food	359
Glass	894
Metals	34,980
Other Non-Food	5,890
Paper	11,583
Plastic	199
Wood	7,084
Yard/Green Waste	2,351
Total Tons Recycled	*63,340

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	16,593.10	626,316	186,010.66	79,676	1,495
Oils	247.74	121,881	3,786.79	97,110	38,266
Antifreeze	65.47	61,588	54.13	17,976	3,154
Lead-Acid Batteries	15.34	7,245	676.36	45,864	1,269

9. Solid and other select waste success stories: See Appendix B and Appendix C.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 30
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 21
3. Number of installations with a recycling program for office/administrative spaces: 29
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 28
5. Number of construction and demolition (C&D) projects started during the CY02: 521  
Number of projects that include recycling of C&D debris: 430
6. Number of installations that have an APP plan or instruction: 30
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 199
  - B. Number who received documented APP training within the last three years: 97
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 583
  - B. Number who received documented APP training within the last three years: 409
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 7
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 20
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 20
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 10
11. Affirmative Procurement Program success stories: See Appendix D.



**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**COMMANDER U.S. PACIFIC FLEET (PACFLT)**  
(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
CBC PORT HUENEME	847	2,422	3,207	1,694	974	1,124	348	476	587	565	625
COMFLEACT CHINHAE	0	0	0	27	11	3,508	49	33	27	64	45
COMFLEACT OKINAWA	3	15	11	34	27	73	91	58	46	64	98
COMFLEACT SASEBO	113	138	182	198	245	1,546	1,861	2,161	641	997	632
COMFLEACT YOKOSUKA	665	540	823	866	796	785	1,962	2,036	920	1,027	892
COMNAVMIANAS	433	372	237	222	136	774	398	17	34	125	119
FISC PEARL HARBOR	14	57	29	31	167	112	39	69	2	180	186
FISC PUGET SOUND	24	3	14	1	7	6	6	0	0	0	0
FISC SAN DIEGO	5	394	831	601	425	3,752	180	7	70	87	39
FLEASWTRACEN SAN DIEGO	0	3	13	13	5	4	8	3	1	0	0
NAF ATSUGI	195	253	153	103	133	143	365	118	93	177	282
NAF EL CENTRO	326	184	963	422	1,484	854	1,064	156	163	170	206
NAF MISAWA	57	9	52	37	71	50	23	26	28	18	14
NAS BARBERS POINT	147	128	189	153	46	20	22	40	3	3	3
NAS CUBI POINT RP	149	0	0	0	0	0	0	0	0	0	0
NAS FALLON	105	72	54	46	85	29	32	29	29	33	71
NAS LEMOORE	485	519	3,081	411	985	865	1,064	5,099	4,534	1,184	513
NAS MIRAMAR	3,038	2,782	1,482	731	303	0	0	0	0	0	0
NAS NORTH ISLAND	1,148	974	4,552	10,891	3,162	3,463	1,443	1,959	1,027	1,235	1,692
NAS POINT MUGU	1,982	1,288	1,498	831	730	313	445	366	700	482	480
NAS WHIDBEY ISLAND	1,243	590	1,004	567	1,526	612	503	509	481	429	373
NAVMA LUALUALEI	250	232	146	143	198	233	178	111	152	114	103
NAVSHIPYD PEARL HARBOR	561	182	355	833	123	175	277	340	446	0	0

**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
NAVSTA EVERETT	0	5	23	41	158	168	172	141	305	174	190
NAVSTA PEARL HARBOR	0	0	0	0	0	0	0	123	88	75	138
NAVSTA SAN DIEGO	56,83	63,20	51,647	38,932	10,602	3,575	2,878	4,139	2,636	2,450	3,065
NAVSTA SUBIC BAY RP	13	0	0	0	0	0	0	0	0	0	0
NAVSUPFAC DIEGO GARCIA	133	163	175	103	150	76	71	140	55	104	0
NCTAMS EASTPAC WAHIAWA	1	39	22	24	63	9	138	3	7	6	1
NOCPACDIV DET FALLBROOK	169	0	216	167	134	242	527	11	87	26	50
NRCC SINGAPORE	0	0	0	0	0	0	0	0	0	0	46
NSRF SUBIC BAY RP	334	0	0	0	0	0	0	0	0	0	0
PACMISRANFAC BARKING	84	71	51	41	90	47	54	11	42	12	14
PEARL HARBOR NSY & IMF	0	0	0	0	0	0	0	0	0	238	414
SIMA NRFM LONG BEACH	106	176	0	0	0	0	0	0	0	0	0
SIMA NRMF SAN FRANCISCO	71	257	0	0	0	0	0	0	0	0	0
SIMA PEARL HARBOR	34	27	14	20	0	0	0	0	0	0	0
SUBASE BANGOR	332	361	361	594	676	497	520	1,588	1,153	1,086	343
SUBASE PEARL HARBOR	0	0	0	0	204	0	0	0	0	0	0
SUBASE SAN DIEGO	375	1,416	1,987	3,420	136	268	349	564	200	497	210
WPNSTA CONCORD	1,033	1,957	3,655	7,334	612	1,944	480	515	399	218	83
WPNSTA SEAL BEACH	444	0	444	408	186	238	346	464	173	116	178
WPNSUPFAC DET PORT	112	5	34	20	8	32	10	13	61	59	32
<b>PACFLT TOTAL:</b>	<b>71,869</b>	<b>78,839</b>	<b>77,504</b>	<b>69,959</b>	<b>24,658</b>	<b>25,537</b>	<b>15,900</b>	<b>21,327</b>	<b>15,190</b>	<b>12,013</b>	<b>11,138</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
COMFLEACT CHINHAE	Yes	No	0	\$5,743	47
COMFLEACT OKINAWA	Yes	No	0	\$89,431	98
COMFLEACT SASEBO	Yes	Yes	0	\$403,931	647
COMFLEACT YOKOSUKA	Yes	Yes	0	\$814,910	892
COMNAVMARIANAS	Yes	Yes	0	\$351,732	131
FISC PEARL HARBOR	Yes	Yes	0	\$80,227	186
FISC SAN DIEGO	Yes	Yes	0	\$23,699	39
NAF ATSUGI	Yes	Yes	0	\$119,645	282
NAF EL CENTRO	Yes	Yes	0	\$110,000	206
NAF MISAWA	Yes	Yes	0	\$5,746	14
NAS BARBERS POINT	Yes	Yes	0	\$80,000	3
NAS FALLON	Yes	Yes	0	\$143,186	70
NAS LEMOORE	Yes	Yes	0	\$140,482	514
NAS NORTH ISLAND SAN	Yes	Yes	0	\$929,583	2,151
NAS WHIDBEY ISLAND	Yes	Yes	0	\$602,539	373
NAVMAG INDIAN ISLAND WA	Yes	Yes	1	\$9,592	32
NAVMAG LUALUALEI	Yes	Yes	0	\$155,195	121
NAVSTA EVERETT	Yes	Yes	0	\$153,077	182

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
NAVSTA PEARL HARBOR	Yes	Yes	0	\$531,800	142
NAVSTA SAN DIEGO	Yes	Yes	0	\$1,203,673	3,240
NAVSUPFAC DIEGO GARCIA	Yes	Yes	0	\$406,778	789
NBVC POINT MUGU	Yes	Yes	0	\$409,554	493
NBVC PORT HUENEME	Yes	Yes	0	\$394,875	598
NCTAMS EASTPAC	Yes	Yes	0	\$27,074	1
NOCPACDIV DET FALLBROOK	Yes	Yes	0	\$18,081	53
NRCC SINGAPORE	No	No	0	\$32,826	41
PACMISRANFAC BARKING	Yes	Yes	0	\$31,501	5
PEARL HARBOR NSY & IMF	Yes	Yes	1	\$446,154	475
SUBASE BANGOR	Yes	Yes	0	\$207,680	615
SUBASE SAN DIEGO	Yes	Yes	0	\$179,867	258
WPNSTA CONCORD	Yes	No	1	\$42,366	92
WPNSTA SEAL BEACH	Yes	Yes	0	\$70,621	165
<b>PACFLT TOTALS</b>	<b>31</b>	<b>28</b>	<b>3</b>	<b>\$8,221,568</b>	<b>12,956</b>

**SECTION 4 BACKUP DATA**  
**CY02 HAZARDOUS WASTE DISPOSITION SUMMARY**  
**COMMANDER U.S. PACIFIC FLEET (PACFLT)**  
(Excluding IR and RC) in K pounds

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
COMFLEACT CHINHAE	47	0	2	0	0	7	39	45
COMFLEACT OKINAWA	98	0	0	0	0	0	98	98
COMFLEACT SASEBO	647	35	49	0	0	0	632	632
COMFLEACT YOKOSUKA	892	0	0	0	0	0	892	892
COMNAVMARIANAS	131	3	14	0	0	0	119	119
FISC PEARL HARBOR	186	0	0	1	0	0	186	186
FISC SAN DIEGO	39	0	0	0	0	13	26	39
NAF ATSUGI	282	0	0	0	0	0	282	282
NAF EL CENTRO	206	0	0	0	0	66	140	206
NAF MISAWA	14	0	0	0	0	0	14	14
NAS BARBERS POINT	3	0	0	0	0	0	3	3
NAS FALLON	70	4	3	0	0	0	71	71
NAS LEMOORE	514	2	2	0	0	307	206	513
NAS NORTH ISLAND SAN DIEGO	2,151	0	0	459	0	959	733	1,692
NAS WHIDBEY ISLAND	373	0	0	0	0	0	373	373
NAVMAG INDIAN ISLAND WA	32	0	0	0	0	0	32	32
NAVMAG LUALUALEI	121	4	21	0	0	0	103	103
NAVSTA EVERETT	182	12	5	0	0	0	190	190
NAVSTA PEARL HARBOR	142	9	3	11	0	0	138	138
NAVSTA SAN DIEGO	3,240	0	0	175	0	1,973	1,091	3,065
NAVSUPPFAC DIEGO GARCIA	789	310	562	247	231	0	0	0

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
COMMANDER U.S. PACIFIC FLEET (PACFLT)  
(Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
NBVC POINT MUGU	493	21	34	0	0	363	116	480
NBVC PORT HUENEME	598	93	66	0	0	502	123	625
NCTAMS EASTPAC WAHIAWA	1	0	0	0	0	0	1	1
NOCPACDIV DET FALLBROOK	53	1	4	0	0	7	43	50
NRCC SINGAPORE	41	5	0	0	0	29	17	46
PACMISRANFAC BARKING SANDS	5	9	0	0	0	0	14	14
PEARL HARBOR NSY & IMF	475	6	66	0	0	0	414	414
SUBASE BANGOR	615	38	87	204	20	0	343	343
SUBASE SAN DIEGO	258	0	0	48	0	33	177	210
WPNSTA CONCORD	92	0	9	0	0	0	83	83
WPNSTA SEAL BEACH	165	16	3	0	0	82	96	178
<b>PACFLT TOTAL:</b>	<b>12,956</b>	<b>567</b>	<b>930</b>	<b>1,144</b>	<b>250</b>	<b>4,342</b>	<b>6,796</b>	<b>11,138</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCAs (\$)	Diversion
N00245 NAVSTA SAN DIEGO	11,525	1,152,925	0	0	0	0	3,904	652,410	419,004	-53,822	25%	2,733,640	85%
N00246 NAS NORTH ISLAND SAN DIEGO	12,057	297,251	0	0	0	0	2,693	207,585	133,320	49,613	18%	2,524,348	82%
N00334 NAS BARBERS POINT	68	5,757	712	60,278	0	0	0	0	0	0	0%	0	0%
N00604 FISC PEARL HARBOR	77	6,519	668	56,553	0	0	5	0	0	423	1%	146	1%
N00620 NAS WHIDBEY ISLAND	3,372	774,574	0	0	1,065	53,296	5,173	410,000	148,675	41,943	65%	118,983	69%
N00950 NCTAMS EASTPAC WAHIAWA	11	931	113	9,567	0	0	3	0	0	254	2%	228	1%
N0534A PACMISRANFAC BARKING SANDS	1,703	96,356	0	0	65	3,640	387	19,383	3,298	5,587	21%	-14,093	22%
N32253 PEARL HARBOR NSY & IMF	1,204	160,595	1,754	291,574	124	11,170	547	185,757	8,827	-131,293	18%	173,940	58%
N32416 NAVSTA BREMERTON COMPLEX	7,605	1,000,762	0	0	0	0	26,189	7,165	3,035,115	4,442,156	77%	4,722,994	77%
N32778 COMFLEACT CHINHAIE	501	38,855	3	416	4	6,608	78	23,661	1,238	-26,243	14%	-43,938	31%
N47615 WPNSTA SEAL BEACH	557	214,269	0	0	0	0	517	44,483	28,569	-518	48%	122,932	89%
N60042 NAF EL CENTRO	1,546	85,000	0	0	0	0	173	29,655	19,045	-5,074	10%	83,891	66%

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCAs (\$)	Diversion
N60495 NAS FALLON	2,170	297,251	0	0	0	0	661	103,793	66,660	-16,312	23%	288,521	83%
N61581 COMFLEACT YOKOSUKA	9,269	1,344,005	8,425	4,229,350	0	0	7,101	809,967	289,708	1,254,991	29%	1,349,401	30%
N61755 COMNAV MARIANAS	57,278	1,549,031	0	0	0	0	501	0	0	22,545	1%	-160,874	2%
N62254 COMFLEACT OKINAWA	1,245	131,602	0	0	0	0	2	1,375	0	-1,280	0%	-4,147	4%
N62507 NAF ATSUGI	276	72,864	4,455	641,520	0	0	3,193	228,382	57,677	672,247	40%	727,535	41%
N62735 COMFLEACT SASEBO	987	20,759	1,917	880,305	389	0	1,483	141,000	140,819	82,487	39%	141,646	56%
N62755 PWC PEARL HARBOR	85	7,027	855	72,384	12,265	119,889	232	7,648	0	930,459	93%	1,017,747	92%
N62813 NAVSTA PEARL HARBOR	482	40,806	5,032	426,009	44	1,763	352	186,205	151,331	-3,111	7%	801	4%
N63042 NAS LEMOORE	3,083	663,991	0	0	0	0	629	88,965	57,137	12,202	17%	591,854	75%
N63126 NBVC POINT MUGU	3,772	521,976	0	0	0	0	433	59,310	38,091	-5,523	10%	194,708	61%
N63406 SUBASE SAN DIEGO	1,368	71,103	0	0	0	0	1,091	118,620	76,183	7,749	44%	514,948	90%
N68047 NAVREGCONCEN SINGAPORE	0	0	840	68,040	0	0	67	8,320	2,330	-563	7%	-563	7%



**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<u>SW Operations</u>		<u>Combined SW + OSW</u>	
	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	Cost (\$) Avoided	% Diversion	ISWMCAs (\$)	Diversion
<b>N68212 NAF MISAWA</b>	235	70,283	0	0	0	0	20	0	919	1,919	8%	2,319	10%
N68297 NAVMAG LUALUALEI	90	7,169	937	79,326	0	0	4	0	0	339	0%	278	0%
<b>N68436 SUBASE BANGOR</b>	6,384	344,736	0	0	278	2,919	5,832	327,165	258,067	257,923	49%	315,671	52%
N68539 NAVSUPFAC DIEGO GARCIA	1,742	18,355	6,153	88,759	1,200	17,734	249	10,114	0	-27,834	16%	-30,087	20%
<b>N68967 NAVSTA EVERETT</b>	2,162	362,029	0	0	56	10,317	522	9,507	16,045	47,663	21%	60,431	25%
N69232 NBVC PORT HUENEME	1,290	178,096	0	0	0	0	1,299	177,930	114,274	-15,840	50%	593,373	93%
<b>PACFLT TOTAL:</b>	<b>132,144</b>	<b>\$9,534,877</b>	<b>31,864</b>	<b>\$6,904,081</b>	<b>15,490</b>	<b>\$227,336</b>	<b>63,340</b>	<b>\$3,858,400</b>	<b>\$5,066,332</b>	<b>\$7,543,088</b>	<b>32%</b>	<b>\$16,026,633</b>	<b>60%</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N00245 NAVSTA SAN DIEGO	Yes	No	Yes	3,904	\$419,004.00	\$652,410.00	(\$233,406)
N00246 NAS NORTH ISLAND SAN DIEGO	No	Yes	Yes	2,693	\$133,320.00	\$207,585.00	(\$74,265)
N00334 NAS BARBERS POINT	Yes	No	No	0	0	0	0
N00604 FISC PEARL HARBOR	Yes	No	Yes	5	0	0	0
N00620 NAS WHIDBEY ISLAND	Yes	Yes	Yes	5,173	\$148,675.69	\$463,296.00	(\$314,620)
N00950 NCTAMS EASTPAC WAHIAWA	Yes	No	Yes	3	0	0	0
N0534A PACMISRANFAC BARKING SANDS	Yes	No	Yes	29	\$908.54	\$20,700.00	(\$19,791)
N32253 PEARL HARBOR NSY & IMF	Yes	No	Yes	543	\$8,827.00	\$185,640.00	(\$176,813)
N32416 NAVSTA BREMERTON COMPLEX	Yes	No	No	0	0	0	0
N32778 COMFLEACT CHINHAE	Yes	No	No	0	0	0	0
N47615 WPNSTA SEAL BEACH	Yes	No	Yes	517	\$28,569.00	\$44,483.00	(\$15,914)
N60042 NAF EL CENTRO	Yes	No	Yes	173	\$19,045.00	\$29,655.00	(\$10,610)
N60495 NAS FALLON	Yes	No	Yes	661	\$66,679.88	\$103,793.00	(\$37,113)
N61581 COMFLEACT YOKOSUKA	Yes	No	Yes	1,530	\$289,708.11	\$161,227.00	\$128,481
N61755 COMNAV MARIANAS	Yes	Yes	No	0	0	0	0
N62254 COMFLEACT OKINAWA	Yes	No	Yes	2	0	\$1,375.00	(\$1,375)
N62507 NAF ATSUGI	Yes	No	Yes	363	\$57,677.00	\$228,382.00	(\$170,705)
N62735 COMFLEACT SASEBO	Yes	No	Yes	972	\$140,819.00	\$91,000.00	\$49,819
N62755 PWC PEARL HARBOR	Yes	No	Yes	232	0	0	0

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			
				TONS	REVENUES		
N62813 NAVSTA PEARL HARBOR	Yes	No	Yes	352	\$151,331.00	\$186,205.00	(\$34,874)
N63042 NAS LEMOORE	Yes	No	Yes	629	\$57,137.00	\$88,965.00	(\$31,828)
N63126 NBVC POINT MUGU	Yes	No	Yes	433	\$38,091.00	\$59,310.00	(\$21,219)
N63406 SUBASE SAN DIEGO	Yes	No	Yes	1,091	\$76,183.00	\$118,620.00	(\$42,437)
N68047 NAVREGCONCEN SINGAPORE	No	No	No	0	0	0	0
N68212 NAF MISAWA	Yes	No	Yes	20	\$919.38	0	\$919
N68297 NAVMAG LUALUALEI	Yes	No	Yes	4	0	0	0
N68436 SUBASE BANGOR	Yes	No	Yes	5,832	\$258,067.00	\$327,165.00	(\$69,098)
N68539 NAVSUPPFAC DIEGO GARCIA	Yes	Yes	Yes	224	0	\$10,114.00	(\$10,114)
N68967 NAVSTA EVERETT	Yes	No	Yes	522	\$16,045.00	\$9,507.00	\$6,538
N69232 NBVC PORT HUENEME	Yes	No	Yes	1,299	\$114,274.00	\$177,930.00	(\$63,656)
<b>PACFLT TOTALS:</b>	<b>28</b>	<b>4</b>	<b>25</b>	<b>27,206</b>	<b>\$2,025,280.60</b>	<b>\$3,167,362.00</b>	<b>(\$1,142,081)</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00245	NAVSTA SAN DIEGO							
	C&D	0	0	60,597.00	0	0		
		<b>0</b>	<b>0</b>	<b>60,597.00</b>	<b>0</b>	<b>0</b>	<b>\$2,787,462</b>	<b>100%</b>
N00246	NAS NORTH ISLAND SAN DIEGO							
	C&D	0	0	53,781.00	0	0		
	Oils	0	0	10.63	0	0		
	Antifreeze	0	0	2.76	0	0		
	Lead-Acid Batteries	0	0	4.20	0	0		
		<b>0</b>	<b>0</b>	<b>53,798.59</b>	<b>0</b>	<b>0</b>	<b>\$2,474,735</b>	<b>100%</b>
N00334	NAS BARBERS POINT							
	Lead-Acid Batteries	0	0	1.50	503	0		
	Oils	0	0	1.75	90	0		
		<b>0</b>	<b>0</b>	<b>3.25</b>	<b>\$593</b>	<b>0</b>	<b>(\$318)</b>	<b>100%</b>
N00604	FISC PEARL HARBOR							
	C&D	167.87	4,640	0	0	0		
	Lead-Acid Batteries	0	0	1.27	392	0		
	Oils	5.73	15,685	0.08	0	0		
	Antifreeze	0.59	1,409	0	0	0		
		<b>174.19</b>	<b>\$21,734</b>	<b>1.35</b>	<b>\$392</b>	<b>0</b>	<b>(\$278)</b>	<b>1%</b>
N00620	NAS WHIDBEY ISLAND							
	C&D	0	0	1,054.66	2,250	24		
	Oils	0	0	179.33	0	8,983		
	Antifreeze	0	0	4.46	1,784	0		
	Lead-Acid Batteries	0	0	12.61	0	556		
		<b>0</b>	<b>0</b>	<b>1,251.06</b>	<b>\$4,034</b>	<b>\$9,563</b>	<b>\$77,040</b>	<b>100%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N00950	NCTAMS EASTPAC WAHIAWA							
	C&D	419.28	24,157	0	0	0		
	Oils	0.03	38	0	0	0		
	Antifreeze	0.38	1,194	0	0	0		
	Lead-Acid Batteries	0	0	0.21	44	0		
		<b>419.69</b>	<b>\$25,389</b>	<b>0.21</b>	<b>\$44</b>	<b>0</b>	<b>(\$26)</b>	<b>0%</b>
N0534A	PACMISRANFAC BARKING SANDS							
	Lead-Acid Batteries	0	0	3.06	451	0		
	Oils	0	0	9.60	16,650	0		
	C&D	0	0	2.00	3,400	0		
		<b>0</b>	<b>0</b>	<b>14.66</b>	<b>\$20,501</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N32253	PEARL HARBOR NSY & IMF							
	Oils	40.00	11,141	0	0	0		
	C&D	299.00	32,946	3,946.00	31,296	1,445		
	Antifreeze	5.00	3,213	0	0	0		
	Lead-Acid Batteries	0	0	12.00	0	0		
		<b>344.00</b>	<b>\$47,300</b>	<b>3,958.00</b>	<b>\$31,296</b>	<b>\$1,445</b>	<b>\$305,233</b>	<b>92%</b>
N32416	NAVSTA BREMERTON COMPLEX							
	Oils	11.90	46,738	559.80	54,780	14,928		
	Lead-Acid Batteries	0.13	628	248.30	1,276	79		
	Antifreeze	9.80	29,482	0.89	4,704	0		
	C&D	1,905.50	88,222	5,239.00	0	0		
		<b>1,927.33</b>	<b>\$165,070</b>	<b>6,047.99</b>	<b>\$60,760</b>	<b>\$15,007</b>	<b>0</b>	<b>0%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N32778	COMFLEACT CHINHAE							
	C&D	28.00	307	145.00	1,759	0		
	Oils	0	0	4.50	9,933	0		
	Antifreeze	0	0	1.50	6,966	0		
	Lead-Acid Batteries	0	0	1.20	4,212	0		
		<b>28.00</b>	<b>\$307</b>	<b>152.20</b>	<b>\$22,870</b>	<b>0</b>	<b>(\$17,695)</b>	<b>84%</b>
N47615	WPNSTA SEAL BEACH							
	C&D	1.95	199	4,132.00	0	26		
	Oils	3.21	1,028	5.66	2,042	0		
	Antifreeze	0.32	159	1.22	486	0		
	Lead-Acid Batteries	0	0	77.09	70	470		
		<b>5.48</b>	<b>\$1,386</b>	<b>4,215.97</b>	<b>\$2,598</b>	<b>\$496</b>	<b>\$123,449</b>	<b>100%</b>
N60042	NAF EL CENTRO							
	Oils	0	0	24.43	0	0		
	Antifreeze	0	0	0.98	0	0		
	Lead-Acid Batteries	0	0	0.74	0	0		
	C&D	0	0	2,754.00	0	0		
		<b>0</b>	<b>0</b>	<b>2,780.15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N60495	NAS FALLON							
	C&D	0	0	9,640.00	0	0		
	Oils	0	0	12.80	0	0		
	Antifreeze	0	0	7.29	0	0		
	Lead-Acid Batteries	0	0	17.15	0	0		
		<b>0</b>	<b>0</b>	<b>9,677.24</b>	<b>0</b>	<b>0</b>	<b>\$304,833</b>	<b>100%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N61581	COMFLEACT YOKOSUKA							
	Oils	0	0	250.00	0	0		
	Antifreeze	22.00	7,040	0	0	0		
	C&D	0	0	10.00	500	0		
	Lead-Acid Batteries	0	0	130.00	2,590	0		
		<b>22.00</b>	<b>\$7,040</b>	<b>390.00</b>	<b>\$3,090</b>	<b>0</b>	<b>\$94,410</b>	<b>95%</b>
N61755	COMNAVMARIANAS							
	C&D	3,155.00	107,274	0	0	0		
	Lead-Acid Batteries	0	0	22.00	11,020	0		
	Oils	0	0	591.36	200,000	0		
		<b>3,155.00</b>	<b>\$107,274</b>	<b>613.36</b>	<b>\$211,020</b>	<b>0</b>	<b>(\$183,419)</b>	<b>16%</b>
N62254	COMFLEACT OKINAWA							
	Oils	0	0	33.70	0	0		
	Lead-Acid Batteries	0	0	18.15	5,329	0		
	Antifreeze	14.44	2,249	0	0	0		
		<b>14.44</b>	<b>\$2,249</b>	<b>51.85</b>	<b>\$5,329</b>	<b>0</b>	<b>(\$2,867)</b>	<b>78%</b>
N62507	NAF ATSUGI							
	Oils	0	0	46.00	1,872	0		
	Lead-Acid Batteries	0	0	17.00	5,408	0		
	C&D	272.00	61,128	174.00	0	0		
	Antifreeze	5.00	1,627	0	0	0		
		<b>277.00</b>	<b>\$62,755</b>	<b>237.00</b>	<b>\$7,280</b>	<b>0</b>	<b>\$55,288</b>	<b>46%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues(\$)	OSW ISWMCA(\$)	OSW % Diversion
N62735	COMFLEACT SASEBO							
	Lead-Acid Batteries	0	0	5.80	0	0		
	Oils	125.50	9,785	0	0	0		
	Antifreeze	1.30	3,381	0	0	0		
	C&D	0	0	2,056.00	31,890	0		
		<b>126.80</b>	<b>\$13,166</b>	<b>2,061.80</b>	<b>\$31,890</b>	<b>0</b>	<b>\$59,159</b>	<b>94%</b>
N62755	PWC PEARL HARBOR							
	Antifreeze	3.00	1,707	0.37	2,183	0		
	Lead-Acid Batteries	0	0	9.00	2,017	0		
	C&D	291.00	7,891	0	0	0		
	Oils	7.00	7,827	1,154.00	7,003	0		
		<b>301.00</b>	<b>\$17,425</b>	<b>1,163.37</b>	<b>\$11,203</b>	<b>0</b>	<b>\$87,288</b>	<b>79%</b>
N62813	NAVSTA PEARL HARBOR							
	Lead-Acid Batteries	0	0	32.77	11,144	0		
	Antifreeze	1.40	6,356	0.32	0	3,154		
	C&D	8,326.00	224,056	0	0	0		
	Oils	1.97	10,537	107.50	0	0		
		<b>8,329.37</b>	<b>\$240,949</b>	<b>140.59</b>	<b>\$11,144</b>	<b>\$3,154</b>	<b>\$3,912</b>	<b>2%</b>
N63042	NAS LEMOORE							
	C&D	0	0	8,263.00	0	0		
	Oils	4.35	3,483	122.85	4,740	0		
	Antifreeze	0	0	3.48	1,741	0		
	Lead-Acid Batteries	0	0	2.60	1,302	0		
		<b>4.35</b>	<b>\$3,483</b>	<b>8,391.93</b>	<b>\$7,783</b>	<b>0</b>	<b>\$579,652</b>	<b>100%</b>



**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N63126	NBVC POINT MUGU							
	C&D	0	0	5,509.00	0	0		
	Lead-Acid Batteries	0	0	14.62	0	0		
		<b>0</b>	<b>0</b>	<b>5,523.62</b>	<b>0</b>	<b>0</b>	<b>\$200,231</b>	<b>100%</b>
N63406	SUBASE SAN DIEGO							
	Oils	15.53	13,673	0	0	0		
	Antifreeze	0.24	110	0	0	0		
	C&D	0	0	11,018.00	0	0		
	Lead-Acid Batteries	0.23	1,057	8.07	0	0		
		<b>16.00</b>	<b>\$14,840</b>	<b>11,026.07</b>	<b>0</b>	<b>0</b>	<b>\$507,199</b>	<b>96%</b>
N68047	NAVREGCONCEN SINGAPORE							
	Lead-Acid Batteries	1.98	1,160	0	0	0		
	Antifreeze	0.01	75	0	0	0		
	Oils	7.30	1,790	0	0	0		
		<b>9.29</b>	<b>\$3,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
N68212	NAF MISAWA							
	Antifreeze	1.00	1,500	0	0	0		
	Lead-Acid Batteries	5.00	2,000	0	0	0		
	Oils	0	0	6.00	0	100		
		<b>6.00</b>	<b>\$3,500</b>	<b>6.00</b>	<b>0</b>	<b>\$100</b>	<b>\$400</b>	<b>50%</b>
N68297	NAVMAG LUALUALEI							
	C&D	861.50	29,734	0	0	0		
	Oils	0.02	156	0	0	0		
	Antifreeze	0.99	2,086	0	0	0		
	Lead-Acid Batteries	0	0	0.53	106	0		
		<b>862.51</b>	<b>\$31,976</b>	<b>0.53</b>	<b>\$106</b>	<b>0</b>	<b>(\$61)</b>	<b>0%</b>

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

	<b>Waste Stream</b>	<b>Disposal Tons</b>	<b>Disposal Cost (\$)</b>	<b>Recycled Tons</b>	<b>Recycled Cost (\$)</b>	<b>Recycle Revenues(\$)</b>	<b>OSW ISWMCA(\$)</b>	<b>OSW % Diversion</b>
N68436	SUBASE BANGOR							
	Antifreeze	0	0	24.40	0	0		
	Lead-Acid Batteries	0	0	9.00	0	94		
	Oils	0	0	288.00	0	12,490		
	C&D	38.00	2,042	632.00	6,320	0		
		<b>38.00</b>	<b>\$2,042</b>	<b>953.40</b>	<b>\$6,320</b>	<b>\$12,584</b>	<b>\$57,748</b>	<b>96%</b>
N68539	NAVSUPPFAC DIEGO GARCIA							
	Oils	25.20	0	258.30	0	0		
	Antifreeze	0	0	6.16	0	0		
	Lead-Acid Batteries	8.00	2,400	0	0	0		
	C&D	828.00	43,720	532.00	2,261	0		
		<b>861.20</b>	<b>\$46,120</b>	<b>796.46</b>	<b>\$2,261</b>	<b>0</b>	<b>(\$2,253)</b>	<b>48%</b>
N68967	NAVSTA EVERETT							
	Oils	0	0	120.50	0	1,765		
	Antifreeze	0	0	0.30	112	0		
	Lead-Acid Batteries	0	0	3.30	0	70		
		<b>0</b>	<b>0</b>	<b>124.10</b>	<b>\$112</b>	<b>\$1,835</b>	<b>\$12,768</b>	<b>100%</b>
N69232	NBVC PORT HUENEME							
	C&D	0	0	16,526.00	0	0		
	Lead-Acid Batteries	0	0	24.19	0	0		
		<b>0</b>	<b>0</b>	<b>16,550.19</b>	<b>0</b>	<b>0</b>	<b>\$609,213</b>	<b>100%</b>
<b>PACFLT TOTAL</b>		<b>16,921.65</b>	<b>\$817,031</b>	<b>190,527.94</b>	<b>\$440,626</b>	<b>\$44,183</b>	<b>\$8,133,104</b>	<b>92%</b>

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N00245	NAVSTA SAN DIEGO												
Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes
N00246	NAS NORTH ISLAND SAN DIEGO												
Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	No
N00334	NAS BARBERS POINT												
No	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	No
N00604	FISC PEARL HARBOR												
Yes	Yes	Yes	0	0	Yes	39	0	24	0	No	Yes	Yes	No
N00620	NAS WHIDBEY ISLAND												
Yes	Yes	Yes	0	0	No	0	0	0	0	No	No	No	No
N00950	NCTAMS EASTPAC WAHIAWA												
No	Yes	Yes	5	0	Yes	3	3	3	3	Yes	Yes	Yes	No
N0534A	PACMISRANFAC BARKING SANDS												
No	Yes	Yes	9	1	No	1	0	10	0	No	Yes	Yes	No
N32253	PEARL HARBOR NSY & IMF												
Yes	Yes	Yes	25	0	No	8	3	71	0	Yes	No	No	No
N32416	NAVSTA BREMERTON COMPLEX												
Yes	Yes	Yes	5	5	Yes	0	0	0	0	No	Yes	Yes	Yes
N32778	COMFLEACT CHINHAE												
Yes	Yes	Yes	7	1	No	3	2	5	5	Yes	No	No	No
N47615	WPNSTA SEAL BEACH												
Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes
N60042	NAF EL CENTRO												
Yes	Yes	Yes	40	30	Yes	11	0	20	20	No	Yes	Yes	Yes

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----					
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect		
N60495	NAS FALLON	No	Yes	Yes	0	0	No	0	0	0	0	No	Yes	Yes	Yes
N61581	COMFLEACT YOKOSUKA	Yes	Yes	Yes	21	21	No	0	0	0	0	Yes	No	No	No
N61755	COMNAV MARIANAS	Yes	No	No	10	0	Yes	5	0	28	0	Yes	No	No	No
N62254	COMFLEACT OKINAWA	Yes	Yes	Yes	0	0	No	0	0	0	0	No	No	No	No
N62507	NAF ATSUGI	No	Yes	Yes	3	3	No	0	0	39	0	Yes	No	No	No
N62735	COMFLEACT SASEBO	Yes	Yes	Yes	0	0	Yes	0	0	1	1	No	No	No	No
N62755	PWC PEARL HARBOR	No	Yes	Yes	3	0	Yes	4	3	84	84	No	Yes	Yes	No
N62813	NAVSTA PEARL HARBOR	No	Yes	Yes	17	0	Yes	72	72	72	72	No	Yes	Yes	No
N63042	NAS LEMOORE	Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes
N63126	NBVC POINT MUGU	Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes
N63406	SUBASE SAN DIEGO	Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes
N68047	NRCC SINGAPORE	Yes	Yes	No	0	0	No	18	0	0	0	No	Yes	Yes	No

**SECTION 4 BACKUP DATA  
FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT  
COMMANDER U.S. PACIFIC FLEET (PACFLT)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----					
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect		
N68212	NAF MISAWA	No	Yes	Yes	0	0	Yes	0	0	2	0	No	Yes	Yes	Yes
N68297	NAVMAG LUALUALEI	No	Yes	Yes	5	0	Yes	7	7	4	4	No	Yes	Yes	No
N68436	SUBASE BANGOR	Yes	Yes	Yes	136	136	Yes	20	0	0	0	No	No	No	No
N68539	NAVSUPPFAC DIEGO GARCIA	Yes	Yes	Yes	1	1	Yes	1	1	1	1	No	Yes	Yes	Yes
N68967	NAVSTA EVERETT	Yes	Yes	Yes	2	0	No	1	0	162	162	No	Yes	Yes	No
N69232	NBVC PORT HUENEME	Yes	Yes	Yes	232	232	Yes	6	6	57	57	Yes	No	No	No

**PACFLT SUMMARY**

# of Installations with updated plans:	21	# of Acquisition Personnel:	199
# of Installations with office recycling program:	29	Acquisition Personnel trained in last 3 years:	97
# of Installations housing recycling programs:	28	# of Purchase Card Holders:	583
# of C&D projects started:	521	Purchase Card Holders trained in last 3 years:	409
C&D projects that include recycling:	430	# of Installations with Audits conducted in the last year:	7
# of Installations with a AP Plan or Instruction:	20	# of installations with Audit findings reported to senior levels:	20
		# of installation with Audit findings tracked by senior levels:	20
		# of Installation that assessed effectiveness of audits:	10

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
SPACE AND WARFARE SYSTEMS CENTER (SPAWAR)**

**Section 4, Hazardous Waste (HW) Summary.**

1. Number of installations reporting HW: 1.
2. Number of installations with a Pollution Prevention Plan: 1.
3. Total hazardous waste disposal cost: \$45,581.
4. Number of RCRA Subtitle C permits held by installations: 0.
5. Number of installations that have initiated the Consolidated Hazardous Waste Material Reutilization and Inventory Management Program (CHRIMP): 1.
6. Hazardous waste process summary in thousand pounds:

	Generated	Backlog	Treated	Stored	Disposed Onsite	Recycled Onsite	Manifest Offsite
BD	0	0	0	0	0	0	0
CP	9.64	0	0	0	0	0	9.64
EP	0	0	0	0	0	0	0
ES	7.26	0	0	0	0	0	7.26
FC	10.23	0	0	0	0	0	10.23
FP	5.56	0	1.00	0	0	0	4.56
MX	0	0	0	0	0	0	0
NR	195.05	0	0	0	0	0	195.05
PD	1,067.48	0	1,054.10	0	0	0	13.38
SP	0	0	0	0	0	0	0
<b>Total</b>	<b>1,295.22</b>	<b>0</b>	<b>1,055.10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>240.12</b>

**Process code definition:**

- |   |   |
|---|---|
| <b>BD.</b> Bilge/tank cleaning & derusting                  | <b>FP.</b> Facilities operations                    |
| <b>CP.</b> Chemical paint stripping                         | <b>MX.</b> Munitions and explosives                 |
| <b>EP.</b> Plating shop waste                               | <b>NR.</b> Non-recurring                            |
| <b>ES.</b> Expired shelf life/excess materials,<br>non-ship | <b>PD.</b> Painting/depainting/surface<br>finishing |
| <b>FC.</b> Fluids changeout                                 | <b>SP.</b> Ship operations                          |

7. Hazardous waste success stories: See Appendix A.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

**Section 4, Solid Waste (SW) and Other Select Waste (OSW) Summary.**

1. Number of installations reporting: 1.
2. Number of installations with a Solid Waste Management Plan (SWMP): 1.
3. Number of installations with a Qualified Recycling Program (QRP): 0.  
 Total Annual QRP Tons Recycled: 0  
 Total Annual QRP Costs: 0  
 Total Annual QRP Revenues: 0
4. Number of installations with composting facilities: 0.
5. Number of installations that have an active RCRA permitted landfill: 0.
6. Solid waste operations summary: \*Recycled and category tons may not agree due to rounding.

<b>Operation</b>	<b>Tons</b>	<b>Cost (\$)</b>	<b>Revenues (\$)</b>
Landfilled	731	117,950	N/A
Incinerated	93	116,724	0
Composted	78	5,535	0
Recycled	*288	0	0

7. Solid waste recycled summary by category (tons):

Food	0
Glass	0
Metals	72
Other Non-Food	0
Paper	216
Plastic	0
Wood	0
Yard/Green Waste	0
<b>Total Tons Recycled</b>	<b>*288</b>

8. Other select waste summary:

<b>Waste Stream</b>	<b>Disposal (Tons)</b>	<b>Disposal Cost (\$)</b>	<b>Recycled (Tons)</b>	<b>Recycled Cost (\$)</b>	<b>Recycled Revenues (\$)</b>
C&D	0	0	0	0	0
Oils	0	0	2.30	2,040	0
Antifreeze	0	0	0	0	0
Lead-Acid Batteries	0.10	201	0.47	410	0

9. No solid and other select waste success stories.

**CY02 Pollution Prevention Annual Data Summary (P2ADS)  
SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

**Section 4, Affirmative Procurement Program (APP) Summary.**

1. Number of installations reporting: 1
2. Number of installations who updated, improved, or instituted any of the following for the reporting period: SWMP, P2 plan, waste minimization plan, waste reduction project, recycling project, or project that reduced waste: 1
3. Number of installations with a recycling program for office/administrative spaces: 1
4. Number of installations with a recycling program for installation residences (e.g., family housing, quarters, barracks, BOQ, BEQ): 1
5. Number of construction and demolition (C&D) projects started during the CY02: 0  
Number of projects that include recycling of C&D debris: 0
6. Number of installations that have an APP plan or instruction: 1
7. Acquisition personnel (excludes purchase cards less than \$2,500).
  - A. Number of acquisition personnel: 0
  - B. Number who received documented APP training within the last three years: 0
8. Purchase cardholders (less than \$2,500).
  - A. Number of purchase cardholders: 0
  - B. Number who received documented APP training within the last three years: 0
9. Environmental compliance audits/inspections and findings:
  - A. Number conducted to evaluate APP during the reporting period: 0
  - B. Number of findings reported up the change of command to installation senior levels and/or the claimant: 1
  - C. Number of corrective actions from audits tracked by the installation senior levels and/or to the claimant: 1
10. Number of installations assessing the APP effectiveness by analyzing audit results, training trends, and federal procurement data system (FPDS) data: 1
11. Affirmative Procurement Program success stories: See Appendix D.



**SECTION 4 BACKUP DATA**  
**CY92-02 COMPARISON OF HAZARDOUS WASTE TRANSFERRED OFFSITE**  
**SPACE AND WARFARE SYSTEMS CENTER (SPAWAR)**

(Excluding IR and RC) in K pounds

	<b>CY92</b>	<b>CY93</b>	<b>CY94</b>	<b>CY95</b>	<b>CY96</b>	<b>CY97</b>	<b>CY98</b>	<b>CY99</b>	<b>CY00</b>	<b>CY01</b>	<b>CY02</b>
FLTSURSPTCMD DET 1	36	36	0	0	0	0	0	0	0	0	0
NISEWEST SAN DIEGO	3	5	95	103	0	0	0	0	0	0	0
SPAWARSYSCEN SAN DIEGO	213	165	68	1,072	380	212	64	36	50	39	240
<b>SPAWAR TOTAL:</b>	<b>253</b>	<b>205</b>	<b>162</b>	<b>1,175</b>	<b>380</b>	<b>212</b>	<b>64</b>	<b>36</b>	<b>50</b>	<b>39</b>	<b>240</b>

**SECTION 4 BACKUP DATA  
CY02 HAZARDOUS WASTE MANAGEMENT SUMMARY  
SPACE AND WARFARE SYSTEMS CENTER (SPAWAR)**

**INSTALLATIONS**

	<b>WITH P2 PLANS IN PLACE</b>	<b>IMPLEMENTING CHRIMP</b>	<b>RCRA TSD PERMITS</b>	<b>HW MANAGEMENT COST</b>	<b>GENERATED KLBS</b>
SPAWARSYSCEN SAN DIEGO	Yes	Yes	0	\$45,581	1,295
<b>SPAWAR TOTAL:</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>\$45,581</b>	<b>1,295</b>

**SECTION 4 BACKUP DATA  
 CY02 HAZARDOUS WASTE DISPOSITION SUMMARY  
 SPACE AND WARFARE SYSTEMS CENTER (SPAWAR)  
 (Excluding IR and RC) in K pounds**

ACTIVITY	GENERATE	BACKLOG	STORED	TREATED	RECYCLED		DISPOSED OFFSITE	TRANSFER -OFFSITE
					ONSITE	OFFSITE		
SPAWARSYSSEN SAN DIEGO	1,295	0	0	1,055	0	6	234	240
<b>SPAWAR TOTAL:</b>	<b>1,295</b>	<b>0</b>	<b>0</b>	<b>1,055</b>	<b>0</b>	<b>6</b>	<b>234</b>	<b>240</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE OPERATIONS  
SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

<u>Landfilled</u>		<u>Incinerated</u>		<u>Composted</u>		<u>Recycled</u>			<b>SW Operations</b>		<u>Combined SW + OSW</u>	
Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Tons	Cost (\$)	Revenue (\$)	<u>Cost (\$)</u> Avoided	<u>%</u> Diversion	<u>ISWMCA (\$)</u>	<u>Diversion</u>
N66001 SPAWARSYSCEN SAN DIEGO												
731	117,950	93	116,724	78	5,535	288	0	0	6,543	31%	4,184	31%
<b>SPAWAR Total:</b>												
<b>731</b>	<b>\$117,950</b>	<b>93</b>	<b>\$116,724</b>	<b>78</b>	<b>\$5,535</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>\$6,543</b>	<b>31%</b>	<b>\$4,184</b>	<b>31%</b>

**SECTION 4 BACKUP DATA  
CY02 SOLID WASTE INSTALLATION  
SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

INSTALLATION	SWMP	Landfill	QRP	QUALIFIED RECYCLING PROGRAM			PROFIT/LOSS
				TONS	REVENUES	COST	
N66001 SPAWARSYSCEN SAN DIEGO	Yes	No	No	0	0	0	0
<b>SPAWAR TOTALS:</b>	1	0	0	0	0	0	0

**SECTION 4 BACKUP DATA  
CY02 OTHER SELECT WASTE  
SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

Waste Stream	Disposal Tons	Disposal Cost (\$)	Recycled Tons	Recycled Cost (\$)	Recycle Revenues(\$)	OSW ISWMCA(\$)	OSW % Diversion
N66001 SPAWARSYSCEN SAN DIEGO							
Lead-Acid Batteries	0.10	201	0.47	410	0		
Oils	0	0	2.30	2,040	0		
	<b>0.10</b>	<b>\$201</b>	<b>2.77</b>	<b>\$2,450</b>	<b>0</b>	<b>(\$2,359)</b>	<b>97%</b>
<b>SPAWAR TOTAL</b>	<b>0.10</b>	<b>\$201</b>	<b>2.77</b>	<b>\$2,450</b>	<b>0</b>	<b>(\$2,359)</b>	<b>97%</b>

**SECTION 4 BACKUP DATA**  
**FY02 AFFIRMATIVE PROCUREMENT PROGRAM REPORT**  
**SPACE AND NAVAL WARFARE SYSTEMS CENTER (SPAWAR)**

Updated Plans	Recycling Programs		-----C&D-----		AP Plan	-----Acquisition-----		Purchase Cardholders		-----Audits-----			
	Office Spaces	Housing, Quarter	Projects Started	Includes Recycling		Personnel	Trained	Personnel	Trained	Audited	Reported	Tracked	Affect
N66001	SPAWARSYSCEN	SAN DIEGO											
Yes	Yes	Yes	0	0	Yes	0	0	0	0	No	Yes	Yes	Yes

**SPAWAR SUMMARY**

# of Installations with updated plans:	1	# of Acquisition Personnel:	0
# of Installations with office recycling program:	1	Acquisition Personnel trained in last 3 years:	0
# of Installations housing recycling programs:	1	# of Purchase Card Holders:	0
# of C&D projects started:	0	Purchase Card Holders trained in last 3 years:	0
C&D projects that include recycling:	0	# of Installations with Audits conducted in the last year:	0
# of Installations with a AP Plan or Instruction:	1	# of installations with Audit findings reported to senior levels:	1
		# of installation with Audit findings tracked by senior levels:	1
		# of Installation that assessed effectiveness of audits:	1

# CY02 POLLUTION PREVENTION ANNUAL DATA SUMMARY HAZARDOUS WASTE SUCCESS STORIES

## CHIEF OF NAVAL OPERATIONS FIELD SUPPORT ACTIVITY (CNO FSA)

### NAVAL POSTGRADUATE SCHOOL MONTEREY, CA

1. **Success Description:** Due to increased recycling and purchasing controls, disposal costs have been greatly reduced.

**Economic Benefits:** Savings to the Navy.

**Other Benefits:** Reduced amounts to disposal sites for burial or treatment.

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### NAVAL SUPPORT ACTIVITY BAHRAIN

2. **Success Description:** NSA Bahrain has an aggressive HAZMAT recycling program. This year we eliminated over 60% from the hazardous waste stream. The recycled HAZMAT includes aerosol cans, oily rags, oil/fuel filters, and fluorescent light bulbs. Additionally, we have recently negotiated an agreement with a local facility to recycle toner cartridges that have been disposed of through DRMO hazardous waste contractor. NSA has also initiated a program to reuse expired shelf life items. In CY02, over 28 tons of paint, water treatment chemicals, detergent, oil, hydraulic fluid, grease, solvents, and other materials were reused.

**Economic Benefits:** Recycling this type of hazardous waste has resulted in a cost avoidance of over \$1.3M. The expired shelf life HAZMAT reuse program reduced disposal cost by over \$100,000.

**P2 Environmental Benefits:** In addition to eliminating over 300 tons from the hazardous waste stream, the recycling program has helped the Navy in meeting compliance requirements through pollution prevention. Additionally, we have minimized the cumbersome documentation and record keeping requirements.

**Other Benefits:** Decreased potential liability due to the mishandling of hazardous waste and potential spills and enhanced our long lasting relationship with the supporting nations.

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## COMMANDER U.S. ATLANTIC FLEET (LANTFLT)

### NAVAL AIR STATION OCEANA VIRGINIA BEACH, VA

3. **Success Description:** Installation of three Titian glove box blast boxes. The Titian glove boxes are ventless media blast glove boxes. The units recycle the media--separating out the coating from the media.



## COMMANDER U.S. ATLANTIC FLEET (LANTFLT)

### NAVAL AIR STATION OCEANA VIRGINIA BEACH, VA (continued)

**Economic Benefits:** Titian units recover the blast media for reuse reducing the cost of hazardous waste disposal and blast media purchasing requirements.

**P2 Environmental Benefits:** These glove boxes do not vent to the atmosphere so they do not require an air permit. Additionally, the glove boxes allow media recovery that drastically reduces the amount of hazardous waste disposed.

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### NAVAL AIR STATION KEY WEST, FL

**4. Success Description:** Lead acid batteries are maintained at the command until enough are collected to transport by truckload to a recycling center. The Key West area does not have a place to manage our quantity of batteries so we take the batteries to a recycling facility about 130 miles away. This eliminates the cost of a contractor picking up the batteries and charging the Navy.

**Economic Benefits:** Cost saving to the command for our personnel transporting the batteries is approximately \$8,500 annually.

**P2 Environmental Benefits:** The lead acid batteries are transported to a facility that can properly remove the lead and recycle all contents of the battery core. This eliminates disposal cost to the government and filling of landfill areas.

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### NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VA

**5. Success Description:** Mobile structural fire trainer. Mandatory twice-a-year live-fire training is one of the most important aspects of a firefighter's job. The Navy's regional firefighters weren't able to meet live-fire proficiency training because of the long travel distances to the nearest training location and the limited scheduling time. Additionally, to have a firefighting crew travel to the training location meant the firehouse was unstaffed. This led to double area coverage for firehouses and potentially long response times.

**Economic Benefits:** Reduces travel expenses for fire departments, maintains appropriate response times for fires, and does not double workloads.

**P2 Environmental Benefits:** The trainer is fueled by propane, an environmentally sound fuel. This fuel source has very limited air emissions and no ash residue to contaminate storm water.

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## **COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

### **NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MS**

**6. Success Description:** NCBC Gulfport has set up a reutilization network with all of the federal organizations to reuse as much hazardous materials as possible. We contact each organization to see what their needs are and if we have the material in excess or shelf life expiration we offer it to them. We do not offer any high-level toxic materials, pesticides, or herbicides. However, we do offer paints, adhesives, and other building type hazardous materials.

**Economic Benefits:** This helps to reduce our disposal cost.

**P2 Environmental Benefits:** This has helped in the reduction of materials and the total use concept.

**Other Benefits:** This builds a working relationship with other federal organizations.

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### **NAVAL STATION PASCAGOULA, MS**

**7. Success Description:** In 2002 a contract was issued to implement CHRIMP on board ships home ported at NAVSTA Pascagoula. The shore base NAVSTA Pascagoula CHRIMP facility will coordinate with the ships to ensure the correct type and the proper amount of materials are procured. This will ensure that the different departments on board the ships are not duplicating material requirements and will reduce the amount of ship-generated hazardous waste.

**Economic Benefits:** This program will reduce the total cost and amount of materials procured.

**P2 Environmental Benefits:** Reduces hazardous waste generation and disposal cost.

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### **NAVAL STATION, NAVAL BASE NORFOLK, VA**

**8. Success Description:** Non-point source storm water management. Norfolk Naval Station has over 50 helicopter tie-down spots located on a paved concrete apron that lies adjacent to Willoughby Bay. During heavy rain events, the oil-soaked concrete can become a source of contamination to the bay. The region has invested in a glycol recovery vehicle that serves a dual purpose. In winter months, it is used to recover antifreeze if an aircraft requires deicing. In warmer months, the unit is used as a scrubber to clean oil and grease from tie spots. The self-propelled scrub vacuum vehicle cleans a path 50 inches wide and takes 30 minutes to clean and vacuum each tie down spot. The cleaning solution, a mixture of organic compounds and enzymes, is automatically delivered by the scrubber during the cleaning operation and has proven effective as a degreaser and cleaning agent.

**Economic Benefits:** This allows full use of an \$80,000 asset.

**P2 Environmental Benefits:** Reduces non-point source run off into adjacent Willoughby Bay from the helicopter tie-down spots. The project can be listed in NSN NPDES Phase II permit as a BMP.

## COMMANDER U.S. ATLANTIC FLEET (LANTFLT)

### NAVAL STATION, NAVAL BASE NORFOLK, VA (continued)

**POC Name:** J.J. Hoyt

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**9. Success Description:** Microbial laundering of shop towels. The submarine fleet had been using disposable wipes to clean up oil spills and drips. The CNRMA P2 media managers piloted a project to use washable shop towels at Naval Station Norfolk and launder them with a special microbial cleaner that uses oil as a food source. This eliminates procurement costs for new wipes and disposal cost for waste rags. Testing of the microbial cleaner was coordinated with the local regulator, Hampton Roads Sanitation District, to ensure it was effective in destroying the oil.

**Economic Benefits:** The annual procurement cost for these wipes was \$750,000 for the entire fleet and \$54,000 for the 12 submarines home ported at Norfolk. The total annual cost for purchasing microbial cleaner and rags for 12 submarines was \$2,592. This results in an annual savings of \$51,408.

**P2 Environmental Benefits:** Reduces the amount of oily rags disposed. A secondary effect of this project has been a decrease in the amount of oil and grease found in the sanitary lift station down stream of the microbial laundering input.

**POC Name:** J.J. Hoyt

### NAVAL SUBMARINE BASE KINGS BAY, GA

**10. Success Description:** Trident Refit Facility (TRF) received a \$1.4 million dollar "crawler", an environmentally safe paint removal system for submarines, in August 2001. TRF successfully tested this system in January 2002, and plans to use it on the next submarine.

**P2 Environmental Benefits:** This will substantially reduce the volume of contaminated blast media we produce.

**Other Benefits:** TRF is also converting their chemical clean line to a less hazardous process by using three aqueous part washers. Also at the TRF clean line, with the State of Georgia concurrence, TRF was able to downgrade the acid-alkaline fume scrubber to an insignificant source on our new air permit after careful measurement of actual emissions. TRF is obtaining a new paint distribution system to enhance production and reduce the amount of hazardous waste generated.

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### NAVAL WEAPONS STATION EARLE COLTS NECK, NJ

**11. Success Description:** NWS Earle receives most of its hazardous waste from home ported and visiting ships at the Earle pier complex. Because the primary mission at the Earle pier is to perform ordnance evolutions, hazardous waste offload operations must be done within very

## COMMANDER U.S. ATLANTIC FLEET (LANTFLT)

### NAVAL WEAPONS STATION EARLE COLTS NECK, NJ (continued)

small windows of opportunity. Each of the hazardous waste offloads has been done safely and efficiently.

**Economic Benefits:** Within the past year, ship's hazardous waste generated at NWS Earle has been efficiently collected and disposed at a rate of \$.76 per pound, as opposed to last year's rate of \$.92 per pound.

**P2 Environmental Benefits:** The ships that berth at the Earle pier receive an efficient environmental service that ensures that each hazardous waste container is offloaded and disposed properly. This service allows the ship's crew to concentrate on their primary mission of providing the battle group with stores and ordnance.

**Other Benefits:** This cost savings is a result of more efficient collecting and packaging to combine more compatible waste streams that can be disposed within the same containers.

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### NAVAL WEAPONS STATION YORKTOWN, VA

**12. Success Description:** Aqueous weapons cleaning units at Fleet Antiterrorist Support Team (FAST). Replaces current solvent cleaners in use with aqueous system. The units are approved for all small arms and up to 50 cal. machine guns. The cleaning solution has a rust inhibitor and an antifoaming agent.

**Economic Benefits:** Reduces labor by 80%.

**P2 Environmental Benefits:** Removes solvent from the workplace thus reducing the Navy's air compliance burden and reducing OSHA issues. Also reduces the volume of waste disposed.

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### NAVAL SUBMARINE BASE NEW LONDON, GROTON, CT

**13. Success Description:** Reducing the use of hazardous constituents has minimized toxic waste streams. Using supplies and materials more efficiently has also greatly minimized our consumable waste streams. We reuse products and supplies--using durable, reusable products rather than single-use materials is one of the most effective waste prevention strategies we use at SUBASE New London.

**Economic Benefits:** Less wasted material and less new material purchased (and treated or disposed).

**P2 Environmental Benefits:** Maintain an inventory of chemicals in the area and discard those no longer used. This will also prevent duplicate purchases. Label all materials. Unknown materials are expensive to analyze. Purchase the smallest possible amounts of chemicals. Use waste generation as criteria in the selection of new equipment. Purchase only what is needed, minimize and rotate inventories, and redistribute excess. Substitute non-hazardous or less toxic materials in chemical processes, and maintenance operations. Review and modify process to

**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**NAVAL SUBMARINE BASE NEW LONDON, GROTON, CT**

minimize amount of waste generated, allow for closed-loop recycling, in-process neutralization, or other minimization activities. Select equipment not only for task, but potential for failure, accident, or other occurrences that could result in release of hazardous materials. Isolate wastes from various steps to allow more treatment options and prevent cross-contamination. Separate hazardous waste from non-hazardous waste. Neutralize acids and bases that do not contain toxic metals or organics. Recover toxic materials from process wastes, such as mercury from mercuric nitrate from submarine use. Purchase small quantities, since the disposal costs for excess purchases can easily outweigh initial savings.

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**NAVAL AIR SYSTEMS COMMAND (NAVAIR)**

**NAVAL AIR ENGINEERING STATION LAKEHURST, NJ**

**14. Economic Benefits:** We issued \$6,003.69 worth of hazardous material at no charge to the customer. These issues allowed us to avoid \$874.76 for hazardous waste disposal which equates to a total savings of \$6,878.45. By recycling solvent onsite, the base saved \$3,242.25 in new material purchase costs and \$345 in disposal costs.

Several requisitions for material were denied when it was discovered that the requested material was available in stock. The combined savings totaled \$1,140.59. A material requisition order was researched when it was noticed that the material requested was not compatible with existing material in use. With assistance from the manufacturer, the appropriate material was found and substituted. This resulted in a savings of \$3,500. A savings of \$2,176.40 was realized when the HAZMAT approver noticed a duplicate requisition was mistakenly submitted and contacted the customer.

Three drums of propylene glycol were no longer needed by the original owners and were going to be disposed. A tenant was identified that could use the material, saving \$705 in disposal costs and \$1,150 in purchase costs.

**P2 Environmental Benefits:** Two separate HAZMAT requests for aerosol electric cleaning agents, both containing tetrachloroethylene were denied. After researching an alternative, a replacement was found that contained non-chlorinated and less hazardous constituents.

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## COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)

### NAVAL ACTIVITIES UNITED KINGDOM LONDON, UK

**15. Success Description:** Diverted 45,467 pounds from the landfill. NAVACT UK recycles in excess of 90% of all hazardous waste.

**Economic Benefits:** Saving on transportation and landfill costs.

**P2 Environmental Benefits:** Exchanged solvent parts washers for bio-remediation washers, this has saved on hazardous waste disposal and servicing.

Environmental pollution has been greatly decreased by encouraging awareness in hazardous material/hazardous waste (HM/HW) control. Personnel bring all their HM/HW to a centralized area for segregation and final disposal.

**Other Benefits:** Command personnel are aware of the need to dispose of HW/HW in an environmental manner. This has led to a cleaner work environment and reduced the potential of pollution.

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### NAVAL AIR STATION KEFLAVIK, ICELAND

**16. Success Description:** The NAS KEF Environmental Division has been able to reduce the amount of hazardous waste disposal by processing fluorescent light tubes and eliminating the hazardous components.

**Economic Benefits:** This process saves in excess of \$5,000/year in hazardous waste disposal costs.

**P2 Environmental Benefits:** By turning this commonly used item from hazardous waste to solid waste there is less requirement for packaging and the transportation of a hazardous product. The hazardous components are concentrated into a small, easily transported item that is less expensive to dispose of.

**POC Name:** Johanna Turner

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**17. Success Description:** Through the acquisition of digital photo and x-ray processing equipment, NAS KEF has reduced the requirement for the disposal of photo processing chemicals by 95%.

**Economic Benefits:** Prior to the installation of the new equipment, the Environmental Division was paying \$5,000-\$10,000 per year in disposal costs for photo chemicals.

**POC Name:** Johanna Turner

**18. Success Description:** Through the P2 Equipment Program NAS KEF has acquired two large abrasive blast booths. These booths were designed to assist in the extensive corrosion control process required in the highly corrosive Icelandic environment. The booths have been instrumental in reducing the frequency of paint application required for airfield ground support equipment, government vehicles and trash dumpsters. The well-engineered process by which the

## COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)

### NAVAL AIR STATION KEFLAVIK, ICELAND (continued)

blast media is processed has been beneficial in eliminating hazardous components in the spent media and the media can be disposed of as solid waste.

**Economic Benefits:** Because the process is less than a year old, all data is not in on the final economic benefits. It is known that there will be a reduced requirement for painting and maintenance of the items being processed.

**POC Name:** Johanna Turner

### NAVAL SUPPORT ACTIVITY NAPLES, IT

**19. Success Description:** A computer software program is being purchased that will maintain the hazardous waste database information including manifests, load and unload registers, and M.U.D. data for statistical purposes according to the Italian FGS.

**P2 Environmental Benefits:** The Pollution Prevention Equipment Program (PPEP) was key to significantly reducing the use and storage of HM, as well as hazardous waste generation. An update to the Pollution Prevention (P2) Plan was completed in May 2001, identifying several areas that would benefit from further process evaluation and possible use of P2 equipment. The P2 program manager is working with the maintenance and transportation shops to implement recommendations. These recommendations include: investigating the possibility of ethylene glycol recycling; substituting gel-cell batteries for lead-acid batteries; and installing permanent filters for motor vehicles. In support of our commitment to maintain compliance and ensure continued improvement, we implemented several P2 best-management practices and have requested state of the art equipment through PPEP. Savings generated over the last two years from our P2 initiatives total approximately \$150K.

NAVSUPACT Naples constantly strives to incorporate P2 opportunities in our daily operations. Personnel are challenged to look for innovative ways to meet goals that surpass regulatory requirements. The tangible benefit is reduced landfill volumes and solid waste disposal costs.

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## NAVAL METEOROLOGICAL AND OCEANOGRAPHIC COMMAND (NAVMETOC)

### NAVAL OCEANOGRAPHIC OFFICE STENNIS SPACE CENTER, MS

**20. Success Description:** NAVOCEANO's beginning inventory for FY02 was 3,075 line items. The HAZMINCEN did a wall-to-wall inventory and identified approximately 161 line items totaling 368 pieces. Due to unauthorized procurement and expired shelf life, damaged product containers, and non-usage by work centers. Approximately 15% of the line items were returned to stock for possible reissue.

**Economic Benefits:** We expect disposal costs to drop considerably for FY03 as a result of the HAZMINCEN inspection program of all work centers and the confiscating of all unauthorized hazardous materials.

## NAVAL METEOROLOGICAL AND OCEANOGRAPHIC COMMAND (NAVMETOC)

### NAVAL OCEANOGRAPHIC OFFICE STENNIS SPACE CENTER, MS (continued)

**P2 Environmental Benefits:** Through the confiscating of the 161 unauthorized line items and returning 15% of these for reissue, we reduced the inventory by approximately 35%.

**Other Benefits:** Reuse materials rather than disposal. Ensure only authorize line items are used. Unauthorized HAZMAT items are tracked and accounted for.

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## NAVAL SEA SYSTEMS COMMAND (NAVSEA)

### NAVAL SHIPYARD PUGET SOUND BREMERTON, WA

**21. Success Description:** Chlor-D-Tect waste oil screening system.

**Economic Benefits:** The shipyard now can save on reduction of waste oil being shipped out as hazardous waste and can save on the expense of the halogenated hydrocarbon volatile screen test.

**P2 Environmental Benefits:** Reduced hazardous waste quantities.

**Other Benefits:** The shipyard uses Chlor-D-Tect to screen all unknown quality used oil before recycling. Prior to this, if the oil had an unknown quality, a volatile halogenated hydrocarbon screen test was performed at the lab. This test is expensive and if the oil was only a relatively small quantity, then the oil was treated as hazardous waste. The use of this simple test has saved the shipyard thousands of dollars and is responsible for the reduction in hazardous oil waste.

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### NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT, RI

**22. Success Description:** The cable and connector polyurethane injection-molding process, performed in the Cable Fabrication Facility at Division Newport, was significantly improved in 2002. Procuring and slightly modifying a commercial batch type injection-molding unit has resulted in significant savings and an increase in quality control. Prior to obtaining the new unit, personnel would manually mix small batches of urethane compound in one-gallon poly buckets. They would use four-part injection kits that had to be assembled and filled before each use. In a week this process would generate for disposal 28 empty quart containers, 20 one-gallon poly buckets with waste material, and 100 injection kits.

**Economic Benefits:** The new system requires 45 minutes less labor per molding evolution for an estimated five-to-one total reduction in labor time for the molding process. Quality control has improved due to the removal of human error in mixing calculations and inadequate mixing, which reduces the need for rework. With this new commercial batch type injection-molding unit, labor, material, and waste disposal savings will result in a payback of the \$30,000 investment in one year.



## NAVAL SEA SYSTEMS COMMAND (NAVSEA)

### NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT, RI (continued)

**P2 Environmental Benefits:** The new unit, which uses an injection gun and has reservoirs for the Part A and Part B urethane constituents, generates only one 5-gallon and two 1-gallon containers, 15 nozzles, and one poly bucket. In addition, there is a 20% reduction in the use of virgin material, a 20% decrease in waste urethane and a five-to-one reduction in waste related containers and plastic parts.

**Other Benefits:** Personnel are safer because of less physical interaction with hazardous materials and reduced exposure/contact time.

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## NAVAL EDUCATION AND TRAINING COMMAND (NETC)

### NAVAL AIR STATION MERIDIAN, MS

**23. Success Description:** Reduced volume of hazardous waste from aqueous parts washers by removing "dirtiest" waste on a more frequent basis.

**Economic Benefits:** Disposal cost savings of \$1,782.96 in CY02.

**P2 Environmental Benefits:** Reduced the amount of aqueous waste generated by the tire shops 70% from CY00 to CY01 and reduced the total amount of aqueous waste by 37% from CY01 to CY02.

**POC Name:** Gloria Mattingly/Leslie York

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**24. Success Description:** Procured nine HEPA vacuum sanding systems for use in the Corrosion Control hangar.

**Economic Benefits:** Anticipate a major reduction in the need to change wall filters. Insufficient time to calculate actual savings that will result from a reduction in the number of replacement filters needed and in reduced hazardous waste disposal costs.

**P2 Environmental Benefits:** Use of HEPA vacuum sanding system will reduce the build up of sanding dust in the wall filters, thereby reducing the need for filter changes and amount of hazardous waste generated.

**Other Benefits:** Will greatly reduce worker exposure to toxics, especially heavy metals.

**POC Name:** Gloria Mattingly

**25. Success Description:** Installation of a Steris Decontamination System in the Branch Medical Clinic.

**Economic Benefits:** Lowered waste costs by reducing bio-waste to approximately 25 pounds per month.

**P2 Environmental Benefits:** System renders certain medical waste, such as slides, sharps, and urine cups non-toxic.

**POC Name:** G. Mattingly/Greg Nutter

## NAVAL EDUCATION AND TRAINING COMMAND (NETC)

### NAVAL AIR STATION MERIDIAN, MS (continued)

**26. Success Description:** An additional antifreeze recycler was put in use in ground support equipment maintenance, making a total of two.

**Economic Benefits:** Material cost savings not yet calculated.

**P2 Environmental Benefits:** Waste reduction not yet calculated.

**POC Name:** Gloria Mattingly/Leslie York

**27. Success Description:** Installation of a Rational Clima Plus Combi Oven in the Galley

**Economic Benefits:** (1) Energy cost savings--not yet determined. (2) Labor savings. Requires 45% fewer working hours.

**P2 Environmental Benefits:** Uses up to 60% less energy than a conventional oven.

**Other Benefits:** Greater employee safety due to: (1) roll out oven racks eliminate burn possibilities; and (2) fully automatic controlled cleaning.

**POC Name:** G. Mattingly/Patsy Ridinger

## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### FLEET ACTIVITIES CHINHAE, KOREA

**28. Success Description:** Hazardous Substance Incident Response Management (HSIRM) refresher training class was held to educate base personnel about physical properties; classification; respiratory protections; decontamination; site control and use of various references; and definitions of hazardous substances. We reduced hazardous waste quantities and cost by proper segregation

**Economic Benefits:** Savings of over \$1,640 per year by reducing hazardous waste generation.

**P2 Environmental Benefits:** By properly educating our personnel and reducing our hazardous waste generation we will reduce potential personnel exposure to hazardous substances and reduce disposal costs

**POC Name:** Chae-mun Yi

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### FLEET ACTIVITIES NAVAL BASE YOKOSUKA, JAPAN

**29. Success Description:** Historically the installation has paid to dispose of used oil. The hazardous waste management team identified a licensed contractor and implemented a "no cost" contract to recycle the used oil fuel.

**Economic Benefits:** The contract yielded a disposal cost avoidance of \$60,000 in CY02.

**Other Benefits:** For CY03 our sister installation, NAF Atsugi, has been added to the contract.

**POC Name:** R. Ballard

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## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL AIR FACILITY ATSUGI, JAPAN

**30. Success Description:** Extended the household hazardous materials reuse program to reach NSF Kamiseya personnel. Reduced residential hazardous waste through hazardous material reuse.

**Economic Benefits:** Reduction in hazardous waste disposal and solid waste disposal cost.

**P2 Environmental Benefits:** Reusing household hazardous material keeps the materials out of the solid waste stream.

**POC Name:** Wendy Kennedy

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### NAVAL BASE VENTURA COUNTY POINT MUGU, CA

**31. Success Description:** Extended life of hazardous materials and preferred storage of hazardous waste was achieved through the installation of epoxy coated material and waste storage lockers at Port Hueneme and Point Mugu. The lockers are especially effective for material and waste storage near the port and beach areas. Epoxy coating on lockers retards corrosion and extends locker life in marine environments.

**Economic Benefits:** Approximately 50% increase in locker life span, which reduces replacement cost.

**P2 Environmental Benefits:** Extends locker life, and provides protected storage for materials and waste. Potential reduction of hazardous material purchased and replaced due to container degradation from improper storage.

**Other Benefits:** Proper storage of material/waste ensures compliance with federal/state container storage requirements.

**POC Name:** Norman Griffaw

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### NAVAL REGIONAL CONTRACTING CENTER SINGAPORE

**32. Success Description:** Successfully negotiated an agreement with host nation authorizing Navy ships to locally dispose of shipboard generated industrial waste (SGIW). This aggressive program provides a much-needed service to Navy vessels especially in today's increased operational requirements. An added bonus to this program is that the contractor is able to also pick up some of the empty drums that were transferred in the offload. It is projected that the program may be able to divert over 100 tons of metal and plastic empty drums that had previously been used in the storage of hazardous materials. The most recent offload recycled over 97 plastic and metal drums that would otherwise have resulted in their being disposed of as hazardous waste.

**Economic Benefits:** The most recent diversion of empty plastic and metal drums resulted in a \$1,000 cost avoidance to NRCC in just one offload.

## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL REGIONAL CONTRACTING CENTER SINGAPORE (continued)

**P2 Environmental Benefits:** In addition to eliminating the drums from the hazardous waste stream, the recycling effort has helped the Navy to meet compliance requirements in pollution prevention and waste minimization.

**Other Benefits:** Decreased potential liability from waste drums mishandling and minimized cumbersome documentation and record keeping requirements associated with hazardous waste disposal.

**POC Name:** Alice Wilson

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### NAVAL SUBMARINE BASE SAN DIEGO, CA

**33. Success Description:** Acid is purchased by Shipyard Puget Sound in 250-gallon plastic totes for ship heat exchanger flushing. Totes were disposed as hazardous waste. Eliminated this hazardous waste disposal by returning empty acid totes to manufacturer for reuse. Totes are now reused by Shipyard Puget Sound detachments on both Naval Base Point Loma and Coronado.

**Economic Benefits:** Savings of over \$46,000 per year on hazardous waste disposal costs. Savings on labor and space because totes can be removed from the site quicker on a preset schedule.

**P2 Environmental Benefits:** By returning empty totes to the manufacturer, the totes do not need to be disposed as hazardous waste. Reduces hazardous waste quantities 25,000 pounds per year. Additionally, reusing the plastic totes reduces plastic consumption by 25,000 pounds per year.

**POC Name:** Ed Bonnes

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**34. Success Description:** Reduced paint rag, hazardous waste, disposal by purchasing paint gun washers.

**Economic Benefits:** Savings in disposal costs and reduces labor requirements. Personnel no longer need to wash the paint guns by hand. Total savings was over \$9,000 per year.

**P2 Environmental Benefits:** Washing paint guns in the paint gun washer reduced the rag consumption and hazardous waste disposal by 300 pounds per year.

**POC Name:** Ed Bonnes

### NAVAL SUBMARINE BASE BANGOR SILVERDALE, WA

**35. Success Description:** The Powder Coating Paint System consists of spraying powdered epoxy resin to electrostatic charged parts and then melting the epoxy in the curing oven. This process is a very simple but effective coating process. The Powder Coating Paint System eliminates the use of solvents and solvent associated paints, and significantly eliminates all corresponding VOCs. The process reduces part turnaround time by a factor of 2/3's, and provides a more durable, resilient and longer lasting coating.

**Economic Benefits:** Labor costs reduced by approximately \$145,600 annually.

## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL SUBMARINE BASE BANGOR SILVERDALE, WA (continued)

**P2 Environmental Benefits:** Reduces solvent and solvent paint use and associated VOCs (many carcinogens) by approximately 2,080 lb/yr and 8,320 lb/yr, respectively. Savings are estimated at 29,640/yr. Reduction in rag and paint debris. Part turnaround time is reduced by 67%. Powder coat finish is more durable than solvent paint finish by an approximate durability factor of ten.

**POC Name:** Greg Levcan

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**36. Success Description:** The enzyme parts washer uses a water-based solution containing microbes. The solution completely consumes grease, oil, and other hydrocarbon materials from parts, thus eliminating the use of rags and rag debris generation.

**Economic Benefits:** Labor savings and oily rag debris reduction will be calculated at a later time to provide cost saving.

**P2 Environmental Benefits:** Reduces the amount of oily rags and debris produced by the shop. Saves labor by reducing the time to wipe clean the parts. Previously, Shop 11A cleaned bolts and other ships components by wiping the parts with rags. Approximately 2-4 rags per bolt were used to remove Termelene grease and P37 thread lube. Use of the enzyme parts washer eliminates the use of rags for this purpose. When the parts are now wire wheeled, grease is no longer broadcast throughout the shop as it was before because all grease is completely consumed. Less time is spent cleaning the parts, as well. Labor savings and oily rag debris reduction will be calculated at a later time to provide cost savings.

**POC Name:** Greg Levcan

**37. Success Description:** The downdraft grinding table draws contaminants away from worker's breathing zone without hindering movement, as well as containing the metal debris within the equipment.

**Economic Benefits:** Purchase price of the downdraft table was \$7,035. Savings from eliminating the requirement to follow NAVOSH protocol for exposure monitoring and protection equipment could produce an equipment payback within five years.

**P2 Environmental Benefits:** Captures almost all of the heavy metal debris emitted during grinding operations. Eliminates emission of ~16.5 lb/yr of metal waste into the shop atmosphere. After two months, 2.75 lb of metal debris was removed from the table. Previously, this debris was free to migrate about the shop and possibly find its way into the hood canal. Results in cleaner air for worker safety and health, shop area, and building ventilation system. This equipment serves as a tool for engineering controls and safety considerations.

**POC Name:** Greg Levcan

**38. Success Description:** The glove box abrasive blast unit removes corrosion and coatings from small parts while containing the blast media. The equipment recycles the media for savings in material purchase costs and blast grit waste disposal costs.

**Economic Benefits:** Labor savings with the new units are estimated at \$10,920/yr (2 cleanouts/wk x 3 hr/cleanout x 52 wk/yr x \$35/hr). Approximately 400 lb/wk of new and waste grit each is reduced with the dedicated epoxy repair glove box and the more effective media

## **COMMANDER U.S. PACIFIC FLEET (PACFLT)**

### **NAVAL SUBMARINE BASE BANGOR SILVERDALE, WA (continued)**

recycling feature of the new glove boxes (20,800 lb/yr). Cost savings for new material purchase is approximately \$832/yr (20,800 lb/yr x 1 ton/2000 lb x \$80/ton = \$832/yr). Cost savings for waste disposal reduction is about \$229/yr (20,800 lb/yr x 1 ton/2000 lb x \$22/ton = \$229/yr).

**P2 Environmental Benefits:** Approximately 20,800 lb/yr reduction in purchase of new grit and disposal of waste grit. Filter control and filter blow down contain blast media and particulate for air emissions reduction.

Eliminates exposure of media to personnel without having to suit up. IMF Shop 71A Paint Shop received two glove box abrasive blast units allowing them to dedicate one to epoxy repair.

Previously, with only the one old unit, it required cleanout whenever epoxy repair was to be accomplished. This occurred approximately twice a week, taking approximately three hours each time.

**POC Name:** Greg Levcan

**39. Success Description:** The pressure blast tumbler removes corrosion and coatings from parts in preparation for paint application. The shop uses glass bead media in the tumbler. The parts are loaded into the barrel and automatically blast the parts clean, freeing up workers for other tasks. The machine has capacity for 2.62 cubic feet of parts per load with a cycle time of 10 to 15 minutes.

**Economic Benefits:** The projected savings are \$13,933 per year.

**P2 Environmental Benefits:** Approximately 23,400 lb/yr reduction in purchase of new grit and a corresponding reduction of waste grit. Parts, which are typically blasted with the tumbler, include septum plate washers, pipe brackets, sound mount parts and miscellaneous small to medium sized parts, which are not governed by critical dimensional tolerances. Previous practice used the old glove box blast unit, which was a laborious process. Now the shop is able to load an appropriate quantity of parts in the barrel, start the cycle, and walk away to accomplish other tasks. Labor savings are estimated at approximately seven hrs/wk.

**POC Name:** Greg Levcan

### **NAVY SUPPORT FACILITY DIEGO GARCIA, IO**

**40. Success Description:** Onsite reissue/recycle of hazardous material amounts to 12,779 pounds. Onsite treatment of hazardous waste amounts to 246,756 pounds.

**Economic Benefits:** Reduced the amount of hazardous material purchases (\$13,730 cost avoidance). On-island reissue/recycling of excess/expired hazardous material shows a \$50,000 cost avoidance.

**P2 Environmental Benefits:** Reduced the amount of hazardous waste (waste solvents/glycol) generated at the worksites using P2 equipment.

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**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**US NAVAL FORCES MARIANAS SUPPORT ACTIVITY, GUAM**

**41. Success Description:** A fluorescent bulb crusher was purchased and placed into operation to crush mercury containing fluorescent light bulbs.

**Economic Benefits:** Disposal costs of light bulbs containing mercury has decreased significantly.

**P2 Environmental Benefits:** Mercury vapors are captured in a filter and disposed as hazardous waste. This reduces the volume of hazardous waste generated.

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**CY02 POLLUTION PREVENTION ANNUAL DATA  
SOLID WASTE SUCCESS STORIES**

**BUREAU OF MEDICINE AND SURGERY (BUMED)**

**NATIONAL NAVAL MEDICAL CENTER BETHESDA, MD**

**1. Success Description:** NNMC Bethesda partnered with the "Healthy Hospitals for the Environment" (H2E)--a subset of the American Hospital Association and the U.S. EPA Partnership. This partnership follows a landmark agreement between U.S. EPA and AHA to advance pollution prevention efforts in the U.S. hospitals.

As part of the EPA/AHA agreement, NNMC Bethesda called for the elimination of mercury containing waste from hospital waste streams by 2005. During 2002, NNMC Bethesda conducted a comprehensive mercury inventory throughout the hospital and our tenant commands. Almost all Hg sources were identified and either eliminated or a POA&M for replacement was developed.

NNMC Bethesda maintains an integrated P2 Plan to include: HW, RMW, ODS, HM and SW plans. This global approach to P2 encourages environmental managers in the various media to consider P2 as they do work.

NNMC Bethesda conducts campus wide HM surveys annually. Although the primary intent of these surveys is to ensure proper management of HM at NNMC Bethesda and its outlying clinics, they provide the Environmental Program Service with continuous opportunities to identify P2 projects.

**Economic Benefits:** NNMC Bethesda continues to introduce environmentally friendly products and to reduce the amount of solid waste disposed in landfills.

**P2 Environmental Benefits:** NNMC Bethesda has a recycle even-exchange program for toner cartridges.

**Other Benefits:** NNMC Bethesda has a volunteer program with the American Red Cross and Walt Whitman High School to allow mentally challenged adults to assist with collecting recyclable materials.

**POC Name:** Latonya Nimmons

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**NAVAL HOSPITAL MEDICAL WAREHOUSE BREMERTON, WA**

**2. Success Description:** Naval Hospital Bremerton has experienced a cost savings in solid waste management as a result of two measures. First, the installation of two 26-yard compactors which served to reduce the number of disposal services required and second; using COMNAVREG NW for recycling of mixed paper and cardboard.

**Economic Benefits:** The annual cost savings for solid waste and recycling was \$22,485.87 this year.

**POC Name:** Dante Sanchez

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**CHIEF OF NAVAL OPERATIONS FIELD SUPPORT ACTIVITY (CNO FSA)**

**NAVAL SUPPORT ACTIVITY BAHRAIN**

**3. Success Description:** Recycling proceeds are used to fund environmental training provided to base, tenant commands, and host nation personnel. Our innovative programs provide comprehensive environmental training to the base population schools, local community groups, business and industry, and local government to increase awareness and public understanding of environmental issues. Our goal is to ensure future generations can enjoy the same resources we do today. The program presents participants with local environmental challenges and provides them with solid skills to be better stewards of the planet and practice environmental work that good stewardship demands. In addition to regularly collected recyclable materials, NSA Bahrain introduced a tremendously beneficial program to collect reusable clothes for the needy local and third country national population in Bahrain. This continuing program has helped to clothe hundreds of people in the community.

**Economic Benefits:** Diverting over 500 tons from the SW stream has reduced our disposal cost by over \$20,000 and generated over \$15,000 for the base to use in providing awareness training.

**P2 Environmental Benefits:** The recycling program has enhanced relations and increased cooperation with the host nation. Our on-going environmental awareness and community service have been lauded repeatedly by the host nation.

**Other Benefits:** Bahrain is a small island with a population of about 650,000 people. A large portion of the population is expatriates who come to Bahrain mainly for financial reasons. Consequently, environmental awareness in Bahrain has been minimal and generally considered irrelevant. Our environmental programs are invaluable because they encourage people to realize the value of environmental protection from all aspects--social, economical, and health.

**POC Name:**...Awni M. Almasri.....

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**NAVAL DISTRICT WASHINGTON NAVY YARD WASHINGTON, DC**

**4. Success Description:** During FY2002, Naval District Washington's recycling program removed more than 9.7 million pounds (4,852.9 tons) of recyclables from the waste stream. The program provides recycling services to Andrews Air Force Base; Army Material Command; Army Family Support Center; Marine Corps Base Quantico; Naval Surface Warfare Center (NSWC) Dahlgren; NSWC Carderock; NSWC Indian Head; 13 Navy and Marine Corps commands and 28 federal owned/leased facilities in the National Capitol Region. The recycling program, in conjunction with authorized appropriated support, generates sufficient revenue to cover expenses and the excess funds are used to provide quality of life initiatives for military and DOD personnel.

**Economic Benefits:** In FY02, Naval District Recycling Program realized a net profit of \$125,708 and \$363,967.50 cost avoidance for a net savings of \$489,675.50 to the participating commands.

**P2 Environmental Benefits:** In FY02, Naval District Washington purchased cardboard balers and trailers to stage at various sites to enhance cardboard recycling, which resulted in a 43% increase of cardboard removed from the waste stream.

**CHIEF OF NAVAL OPERATIONS FIELD SUPPORT ACTIVITY (CNO FSA)**

**NAVAL DISTRICT WASHINGTON NAVY YARD WASHINGTON, DC (continued)**

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**NAVAL SUPPORT ACTIVITY MID-SOUTH MILLINGTON, TN**

**5. Success Description:** Naval Support Activity Mid-South was able to recycle 981 tons of materials through our Qualified Recycling Program for Calendar Year 2002.

**Economic Benefits:** Recycling 891 tons saved \$27,015 in landfill tipping fees.

**P2 Environmental Benefits:** Diversion of 981 tons of materials that would have otherwise been sent to the landfill for disposal.

**POC Name:** Danny Chumney  
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**NAVAL RESEARCH LABORATORY WASHINGTON, DC**

**6. Success Description:** NRL committed to building their recycling program in 2002. We succeeded by increasing our diversion rate from 20.51% to 28.89% for SW operations and from 20.84% to 60.38% combined SW and OSW. We accomplished this by: revamping how we collect office recyclables; launching a major publicity/education program on the lab to raise awareness of the P2 Program; and working closely with supply, services, public works and contractors to ensure we all knew what could be recycled and how.

**P2 Environmental Benefits:** By revamping how the office recycling program works, we collected an additional 27 tons of paper product, 4.25 tons of plastic, and 135 tons of metal. Not only have we collected more than ever before, we have also raised recycling awareness to the point where NRL residents are requesting we recycle even more item categories.

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**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MS**

**7. Success Description:** We have provided clean used drums for garbage containers for the county beaches. The metals market is not providing a market for the drums. We are also providing low grade mixed shredded paper (that does not bring in a profit) to the humane society for animals bedding material.

**Economic Benefits:** We are saving the county \$15,000 a year for cost of purchasing the drums.

**P2 Environmental Benefits:** This prevents the drums from being sent to the landfill.

## COMMANDER U.S. ATLANTIC FLEET (LANTFLT)

### NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MS (continued)

**Other Benefits:** This helps to provide a means to keep the Gulf Coast county beaches clean.

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### NAVAL STATION NEWPORT, RI

**8. Success Description:** We started requiring our grounds maintenance contractor to take all clippings, branches, yard waste and leaves, etc., to a composting facility in the local area. The tracking of what was recycled improved our recycling rate by approximately 3%. In addition, we required mulching lawn mowers to be used on the base and in housing which resulted in less waste being placed into the solid waste dumpsters.

**Economic Benefits:** Saved \$55 per ton by having the contractor take the material to the local composting area verses the landfill.

**P2 Environmental Benefits:** Reduced material going to the landfill that could be recycled/composted.

**POC Name:** Deb Moore

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### NAVAL STATION PASCAGOULA, MS

**9. Success Description:** In 2002, Naval Station Pascagoula increased the amount of material recycled by 26 tons. This was due to better management of wood products, waste and coordinating with contractors renovating the BEQ at our Lakeside facility. The station, at the same time, has implemented better management practices to reduce generation of solid waste by 5%. The station continues to search for better markets for its recycle goods.

**Economic Benefits:** Due to better management of wood products waste, we have generated more revenue and reduced station disposal cost.

**P2 Environmental Benefits:** Recycling wood product waste reduced the amount of solid waste requiring disposal.

**POC Name:** George W. Adkins

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### NAVAL SUBMARINE BASE KINGS BAY, GA

**10. Success Description:** MWR recycling stores used boxes in good shape for base personnel to pick up free of charge.

**Economic Benefits:** Base personnel can save the cost of purchasing boxes.

**P2 Environmental Benefits:** In CY02 approximately 10.25 tons of boxes were reused saving dollars and raw materials.

**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**NAVAL SUBMARINE BASE KINGS BAY, GA (continued)**

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**NAVAL WEAPONS STATION EARLE COLTS NECK, NJ**

**11. Success Description:** Close supervision and coordination of waste disposal efforts by the solid waste program manager at WPNSTA Earle's accounts for the success of our solid waste management plan.

**Economic Benefits:** The economic benefits are reflected in the reduced cost of solid waste disposal.

**P2 Environmental Benefits:** Environmental benefits are gained from the federal government and New Jersey DEP mandatory recycling programs administered by the solid waste program manager and solid waste disposal contractor.

**Other Benefits:** Other benefits such as pollution abatement projects are derived from application and administration of the qualified recycling program.

**POC Name:** Dennis Stewart  
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**U.S. NAVAL STATION ROOSEVELT ROADS, PR**

**12. Success Description:** We began a recycling program in December 2001. The program included housing residents and voluntary military activities. In one year, we have expanded the program to many more tenants, schools and MWR clubs. Landfilled solid waste has decreased by 50%.

**Economic Benefits:** Waste diversion will prolong the Roosevelt Roads landfill life. We use the recycling revenues to cover the cost of the recycling bins and materials.

**P2 Environmental Benefits:** Diverted 131.88 tons of recyclable materials (glass, plastic, paper, aluminum and cardboard) from the landfill.

**POC Name:** Joel Rivera  
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**NAVAL AIR SYSTEM COMMAND (NAVAIR)**

**NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD**

**13. Success Description:** Mulch buyback program. A memorandum of understanding signed with the St. Mary's Department of Public Works provided for the Patuxent River Naval Air Station to buy back mulch made from recycled scrap wood and timber waste generated by the base at a significant cost reduction.

## NAVAL AIR SYSTEM COMMAND (NAVAIR)

### NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD (continued)

**Economic Benefits:** The Patuxent River Naval Air Station was provided 437.26 tons of good quality product for only \$10 per ton rather than \$25 per ton which was the previous cost from outside vendors. This resulted in an immediate savings of \$6,559. In addition, this program also realized cost avoidance of an additional \$18,700.

**P2 Environmental Benefits:** The base recycled 425 tons of timber waste and scrap wood in CY2002 which was used to landscape and beautify the base and did not end up in the landfill.

**POC Name:** Chris M. Hill

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## COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)

### NAVAL ACTIVITIES UNITED KINGDOM LONDON, UK

**14. Success Description:** Reduced solid waste by 696 tons, saving \$38,000.

**Economic Benefits:** Reduction in landfill costs.

**P2 Environmental Benefits:** Landfill avoidance.

**Other Benefits:** Close relationship with local authorities has enabled the command to reduce its solid waste and enhance the recycling program.

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## NAVAL STATION ROTA, SPAIN

**15. Success Description:** We reduced our recycling cost by absorbing the recycling function, removing recycling services from a FY02 contract. The contractor was providing labor, 4-6 personnel, trucks and some equipment. We have been doing our own recycling for the past year, at same volume, with three personnel, using existing equipment and resources. Local national labor personnel (MN2) cost us \$15,500 a year each.

**Economic Benefits:** Improved cost effectiveness of recycling program, reduced operational cost by \$100,000 by performing functions using available resources rather than contractor personnel.

**Other Benefits:** Each year the Solid Waste Program provides positive results. Changes in program structure (i.e., moving from contract to performing in-house) during fiscal years 2001 and 2002 have dramatically improved recycling cost effectiveness while increasing diversion. We anticipate that in fiscal year 2003 Naval Station Rota's recycling program will operate at zero cost. Naval Station Rota strives to meet the Navy's solid waste 40% diversion Measures of Merit goal. A project has been awarded to develop a solid waste management plan (SWMP); work will begin January 2003.

## COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)

### NAVAL STATION ROTA, SPAIN (continued)

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### NAVAL SUPPORT ACTIVITY DET CAPODICHINO NAPLES

**16. Success Description:** NAVSUPACT Naples was recognized as a municipality by the National Consortium for Recycling this allows us to be included and participate in the Italian Recycling Consortium for aluminum packaging waste. We are setting up a recycling program for urban waste that will allow for compliance with the established recycling targets and greatly reduce overall solid waste costs. We are purchasing a computer software program that will maintain the HW database information including manifests, load and unload registers, and M.U.D. data for statistical purposes according to the Italian FGS.

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### NAVAL SUPPORT ACTIVITY SOUDA BAY, GREECE

**17. Success Description:** NEX recycles 100% of cardboard generated.

**Economic Benefits:** All NEX cardboard is diverted from the landfill.

**Other Benefits:** The cardboard is donated to the city of Chania. This has strengthened the environmental partnership with the local community.

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### NAVAL AIR STATION SIGONELLA, ITALY

**18. Success Description:** We avoided disposal of 1,257.15 tons of recycled materials.

**Economic Benefits:** Cost avoidance of \$32,899.62 in tipping fees.

**Pollution Prevention and Environmental Benefits:** Recycled 71 tons of WWTP sludge, 40.75 tons of grease from grease traps, and 8.52 tons of cooking oil totaling 120.27 tons.

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## NAVAL SEA SYSTEM COMMAND (NAVSEA)

### NAVAL INDUSTRIAL RESERVE ORD PLANT FRIDLEY, MN

**19. Success Description:** Increased paper recycling by 51% by separating it from cardboard and improving employee awareness. At the same time, we reduced consumption of paper by 25% per person/per year and switched copy paper to 30% recycled content.

**Economic Benefits:** Revenues of \$2,170 in 2002. We saved \$20,890 for paper purchases from 2001 to 2002.

**P2 Environmental Benefits:** We reduced consumption of natural resources (paper) and energy to produce paper.

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### NAVAL SHIP SYSTEMS ENGINEERING STATION CARDEROCK DIVISION, PA

**20. Success Description:** NSWCCD Supply, Code 33, has implemented a scrap-recycling contract through MWR for SSES. Previously scrap metal was recycled as part of a solid waste disposal contract with no money being returned to the facility.

**Economic Benefits:** Supply, Code 33, is now compensated for part of the value of the scrap metal. MWR takes a percent for contract oversight. Using the scrap-recycling contract we recycled 161.12 tons of metal which resulted in revenue of \$4,802.79.

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### NAVAL SHIPYARD NORFOLK PORTSMOUTH, VA

**21. Success Description:** The shipyard is continuing to collect cellular phones for donation to the Wireless Foundation for their Call to Protect Program. These phones are refurbished and donated to victims of domestic violence.

**P2 Environmental Benefits:** The donation of 452 phones, 265 batteries, and 957 chargers and accessories this year eliminated electronic waste that would have been landfilled.

**Other Benefits:** These phones support a good cause and provide benefits in support of victims of domestic violence and neighborhood watch programs.

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### NAVAL SURFACE WARFARE CENTER DAHLGREN DIVISION DAHLGREN, VA

**22. Success Description:** We added plastics recycling.

**Economic Benefits:** It saves tipping fees

**P2 Environmental Benefits:** Saves landfill space and reuses product.

## NAVAL SEA SYSTEM COMMAND (NAVSEA)

### NAVAL SURFACE WARFARE CENTER DAHLGREN DIVISION, VA (continued)

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### NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND

**23. Success Description:** Implemented a recycling program. In 2002, our installation began using a cardboard baler and aluminum can crusher, both provided by the Navy P2 Equipment Program. We set up a QRP account and began recycling cardboard, white paper, and aluminum cans. We also recycle wood pallets, yard waste, and sewage sludge. In 2003 we plan to significantly expand our recycling program with the addition of a composting facility, increased collection of recyclable items from our residential areas, and the addition of scrap metal to our recycling streams. NUWC DET AUTEC is completing a Memorandum of Agreement (MOA) with Patrick Air Force Base (PAFB), Cape Canaveral, Florida. The MOA outlines the requirements for NUWC DET AUTEC and PAFB to work together to recycle materials from Andros Island, Bahamas. The recycled material would ordinarily enter the solid waste stream, then be containerized and transported to New Providence Island, Bahamas, and disposed of there at an increased cost. We are now receiving money for what was previously disposed of as solid waste. We expect to finalized the MOA in CY03.

**Economic Benefits:** In 2002, our recycling efforts resulted in a cost avoidance of \$13, 651.

**P2 Environmental Benefits:** Diversion of 91 tons of solid waste from a landfill.

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## NAVAL SECURITY GROUP COMMAND (NAVSECGR)

### NAVAL SECURITY GROUP ACTIVITY KUNIA, HI

**24. Success Description:** NAVSECGRUACT Kunia has reduced its solid waste disposal quantity by over 40% from 2001. Recycling and diversion efforts increased from 48 tons (in 2001) to 71.45 tons (in 2002) for a 49% increase in solid waste diversion.

**Economic Benefits:** Solid waste disposal cost decreased from \$24,964 in 2001 to \$15,347, a 38.5% decrease in annual solid waste disposal cost. Recycling revenues increased from the 2001 amount of \$763 to \$1956 in 2002, over 150% increase in revenue.

**P2 Environmental Benefits:** NAVSECGRUACT Kunia has consistently reduced solid waste generation by affirmative procurement, source reduction, and recyclables diversion, thus conserving Hawaii's valuable landfill capacity.

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## NAVAL SYSTEM MANAGEMENT COMMAND

### ARMED FORCES EXPERIMENTAL TRAINING ACTIVITY, CAMP PEARY

**25. Success Description:** We installed a fluorescent bulb crusher in 2002, which allowed reductions in HW and SW. Activity uses an authorized glass recycler to recycle the glass (1.3 tons), while the filter media is properly disposed.

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## NAVAL EDUCATION AND TRAINING COMMAND (NETC)

### NAVAL AIR STATION MERIDIAN, MS

**26. Success Description:** NAS Meridian encourages and is receiving some participation in the base-recycling program.

**Economic Benefits:** Recycling has decreased more this year in some areas.

**P2 Environmental Benefits:** We emphasize the importance of recycling and are updating current recycling and waste reduction projects.

**Other Benefits:** NAS Meridian QRP failed to implement the new recycling program for curbside that was targeted for 2002.

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**27. Success Description:** Installation of Hobart Pulper in the galley.

**Economic Benefits:** Projected savings of \$162,767 in wastewater costs. Unknown savings in solid waste disposal costs.

**P2 Environmental Benefits:** Projected annual savings of 64,334,900 gallons of water. Greatly reduced waste volume.

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## NAVAL POSTGRADUATE SCHOOL MONTEREY, CA

**28. Success Description:** Wood recycling added to our large increase in the recycling program.

**Economic Benefits:** Cuts in housing heating costs.

**P2 Environmental Benefits:** The wood was chipped and used for landscaping purposes. Larger pieces were split and used in the fireplaces in our Navy housing area.

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## NAVAL EDUCATION AND TRAINING COMMAND (NETC)

### NAVAL TRAINING CENTER GREAT LAKES, IL

**29. Success Description:** We are using a new horizontal baler, connected to sorting line that has lessened the need for manual labor. The new baler was bought through the P2 Equipment Program.

**Economic Benefits:** Receiving a better price for baled paper, than we received for loose paper.

**P2 Environmental Benefits:** Baled material can go directly to mill without additional processing.

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## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL BASE VENTURA COUNTY POINT MUGU, CA

**30. Success Description:** Major San Nicholas island-wide clean-up programs called Operation Night-Lizard and Operation Decolata were established for CY2002. These programs consisted of picking up abandoned waste and equipment from past operations. Another clean-up program was a major beach clean-up weekend consisting of combing the beaches and removing trash and waste. This program was part of an International Clean-up effort organized by the Ocean Conservancy (September 2002). Approximately 120 tons of garbage was removed from all programs.

**P2 Environmental Benefits:** The clean-up efforts prevented wastes from traveling downstream and into the ocean.

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## FLEET ACTIVITIES CHINHAE, KOREA

**31. Success Description:** We have an active base wide recycling program including curbside recycling for military family housing. We are selling paper, cardboard, aluminum cans, scrap metals, plastics, glass and styrofoam to authorized scrap material buyers. By selling these recyclable materials, we meet the Republic of Korean Waste Management laws that require segregation of trash and recyclables and reduces the volume of solid waste landfilled. Disposal fees are based on landfilled volume rather than weight. The calculated cost per ton for solid waste disposal is \$95/ton. Recycling light bulky items like cardboard boxes and plastic containers dramatically reduce the volume of solid waste thereby reducing disposal cost. Discarded construction wood and tree limbs are chipped in the tub grinder and used as cover material for our jogging trail.

**Economic Benefits:** Average annual cost avoidance of \$24,000 and \$1,000 in earnings.

**P2 Environmental Benefits:** We are trying every effort to minimize our solid waste generation through recycling. Wood chips provide a natural jogging trail cover

## **COMMANDER U.S. PACIFIC FLEET (PACFLT)**

### **FLEET ACTIVITIES CHINHAE, KOREA**

**Other Benefits:** Our landfill fees to the City of Chinhae have been greatly reduced through our active solid waste recycling program.

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### **FLEET ACTIVITIES NAVAL BASE YOKOSUKA, JAPAN**

**32. Success Description:** SW Program Manager implemented a "no cost" recycle contract to collect cardboard, newspaper, and white paper.

**Economic Benefits:** Contractor collected 758 tons, which yielded \$44,637 in solid waste disposal cost avoidance.

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### **NAVAL AIR FACILITY ATSUGI, JAPAN**

**33. Success Description:** NAF Atsugi implemented a comprehensive awareness campaign to separate burnable, non-burnable, and recyclable material in the solid waste stream at the disposal point. This campaign included flyers, a brief at the Intercultural Relations Course and a Solid Waste Action Team. The team is comprised of key personnel on the base to solve solid waste disposal issues and increase recycling to meet and exceed the 40% diversion rate.

**Economic Benefits:** The new solid waste contractor bid at 15% lower than the previous solid waste contractor.

**P2 Environmental Benefits:** Awareness is a key element in preventing pollution, so we started this campaign to increase individual awareness and to increase the quantity of materials recycled at NAF Atsugi.

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### **NAVAL STATION SAN DIEGO, CA**

**34. Success Description:** We view our program not as an individual activity effort, but as a collective regional endeavor that epitomizes the adage, "the whole is greater than the sum of the parts". During FY02, as a regional program, more than 160,000 tons of commodities and C&D were recycled/diverted from landfilling operations resulting in cost avoidance of \$2,249,000. At the same time, 92,000 tons of MSW and C&D were landfilled resulting in cost avoidance of \$3,136,000. Using the unit rates from the above data and a simple calculation, we find the regional program's efforts avoided an additional landfill cost of over \$5,385,000.

## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL AIR FACILITY EL CENTRO, CA (continued)

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### NAVAL AIR FACILITY MISAWA, JAPAN

**35. Success Description:** Naval Air Facility Misawa, Japan is located in the northeast portion of Honshu, Japan. The area is underdeveloped and the economy is agriculture based with limited industrial growth. Recycling is limited to aluminum cans, white paper, and cardboard. Although we are located on an Air Force installation, our joint recycling program is the only formal effort in this area. Our recycling program is small with only one part time local national. We have established an affirmative procurement process through the local GSA office to increase the recyclable products available, i.e., recycled bond paper and recycled 3-ring binders. Additionally, we send expended toner cartridges to the manufacturer for recycling. The local AAFES gas station recycles batteries through a local vendor. Although the Japanese Government recently enacted the Recycle Act, effective April 2001, there has been no increased effort within the local communities surrounding Misawa to increase the recycling effort. NAF Misawa was granted direct sale due to the limited opportunities in the local community. The funds generated from our effort are used to support environmental events with the local community, i.e., beach clean-up, salmon smelt releases into local rivers, and environmental clean up events at the Towada Wildlife Refuge. Our effort to coordinate with local vendors is showing limited success. In January 1998 only aluminum cans were recycled, using the base solid waste contractor as a recycler. Later that year, after some research and a great deal of venturing off base, a contractor in Towada Town agreed to take white office paper and cardboard. Cardboard is now the commodity generating the largest portion of our revenue. Jet fuel, captured during engine maintenance, and solvents are being marketed via the local DRMO for reuse as a blending agent to local bus and truck operators. Air Force policy does not allow for the return of unused portions of issued hazardous materials. NAF Misawa has taken the lead and is now accepting limited amounts of reusable products from AF activities and offering free issue to base activities to avoid the additional disposal cost.

**Economic Benefits:** Although our program is limited, we are realizing some economic benefits, i.e., funding the local environmental clean up efforts with local officials. We identify new markets and/or process changes when and where available. Our limited recycling program has reduced the solid waste by 19.66 tons a year, all of which would otherwise go into local land disposal facilities--there are no sanitary land disposal facilities in Northern Japan. We have donated most of our expired shelf life products to base entities such as the HS Drama Club, Boy Scouts, Girl Scouts and other such groups to avoid disposal cost. This effort has resulted in a \$2,000 disposal cost avoidance. The approximately \$2,000 revenue generated by our staff recycling effort is used to support numerous environmental clean up events with the local community and displays our concern for our host nation's environment. The good will of our host nation is critical to our continued presence in Japan. We continue to work closely with the deployed aviation squadrons and COMNAVAIRPAC to identify less hazardous materials.

## **COMMANDER U.S. PACIFIC FLEET (PACFLT)**

### **NAVAL AIR FACILITY MISAWA, JAPAN (continued)**

One example is the replacement of ethylene glycol deicing fluid, which is a marine pollutant, with propylene glycol. Although the replacement product cost more, we have reduced the environmental impact by over 1,000 gallons per year to ground and surface waters by removing the toxic properties of the tarmac run off into storm drains which feed into a local fresh water lake. It should be noted that the Air Force and Japan Self Defense Force continue to use ethylene glycol for their deicing operations. Recycling JP-8, via the DRMO contract, as a blending agent to local contractors further reduces our disposal cost by approximately \$3,000 per year but has only generated \$100 in revenue this year.

**P2 Environmental Benefits:** NAF Misawa's effort has resulted in 19.66 tons of solid waste being diverted from the local landfill. We continue to look for opportunities to display our environmental stewardship, taking the lead where possible. Although the environmental benefits from our local clean up efforts are hard to enumerate there is a positive gain through the good will of the local communities for our continued presence in Japan. Our work with COMNAVAIRPAC environmental teams to find less hazardous materials continues to increase the safety of our personnel and decrease our disposal cost by using less hazardous/toxic chemicals where possible. The AIRPAC team is returning this summer and we anticipate improvements to our program after their visit.

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### **NAVAL AIR STATION WHIDBEY ISLAND OAK HARBOR, WA**

**36. Success Description:** We have the most comprehensive recycling program of any we have found, processing over 50 commodities, including all paper products, metals, plastics, glass, and automotive products. The list goes on! Maintaining a clean and safe working environment allows us to have the highest quality control of our recyclables collected and sold. Our fuel and oil recovery program collected and sent over 663,000 gallons to a refinery for future use as heating oil. Hard to handle styrofoam packing peanuts are collected for reuse and sent over to our supply department saving thousands of dollars each year. Refillable toner cartridges are used and a one-for-one swap is practiced for all other cartridges that are sent to a recycling company. The NAS Whidbey Island Recycling Program is deeply involved in local, county, state and national organizations dedicated to waste stream reduction and recycling. Knowing that education is the key, we sponsor over 2,500 visitors from schools. We share our experience with other military bases to help establish or upgrade their programs, advising as to what equipment is needed to best handle the materials for recycling or composting. Our Dumpster Diving Championship is our most popular event. Volunteers fish through dumpsters that are seeded with valuable prizes and separate recycle materials from solid waste. This event raises awareness about the amount of recyclable material that is still being thrown away and provides an inexpensive annual waste characterization study. Each Spring the station celebrates Earth Day during the entire month of April by sponsoring and coordinating beach, road, and park cleanups, stream reclamation, and wildlife habitat enhancement and reforestation projects. To

## **COMMANDER U.S. PACIFIC FLEET (PACFLT)**

### **NAVAL AIR STATION WHIDBEY ISLAND OAK HARBOR, WA (continued)**

continue the promotion and education we conduct similar activities during the Recycle and Energy Awareness Week held in the Fall leading up to America Recycles Day.

**Economic Benefits:** Naval Air Station Whidbey Island has earned over \$1.9 million in income and saved over \$9.6 million in cost avoidance since the program's inception.

**P2 Environmental Benefits:** Since its modest beginning, the program has grown over 302% in solid waste material recycled, with a whopping 55,655 tons diverted from the waste stream. This allowed us to grow from a 4% recycle rate in 1990 to a 65% recycle rate in 2002. Through implementing a source reduction program and composting biodegradable materials our solid waste stream was further reduced. Yard waste alone was reduced by over 220 tons.

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### **NAVAL REGIONAL CONTRACTING CENTER SINGAPORE**

**37. Success Description:** NRCC Singapore is severely constrained by the solid waste/refuse contract, the actions of the collection and the lack of recycling markets in Singapore. NRCC Singapore worked within these constraints when and where possible to comply with the spirit and intent of OPNAVINST 5090.1B and Overseas Environmental Baseline Guidance Document to reduce and or minimize both solid and hazardous waste. We estimated NRCC Singapore reduced from over 2,000 tons to 800 tons of solid waste between 2000 and 2001 just by changing its operational practices.

**Economic Benefits:** NRCC Singapore has diverted over 1,200 tons of solid waste from local landfills and billing in one year alone just by changing the contractor's mode of operation and specifically tracking waste disposal. NRCC Singapore continues to aggressively seek opportunities to further reduce its waste stream to reflect actual operation. The avoided cost of 1,200 tons is equivalent to savings of \$93,000 in disposal fees.

**P2 Environmental Benefits:** Reduction in waste disposal has allowed NRCC Singapore to become better environmental stewards.

**Other Benefits:** The diversion of 1,200 tons of solid waste gave NRCC Singapore a 60% diversion rate for FY2001.

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### **NAVAL STATION BREMERTON COMPLEX, WA**

**38. Success Description:** On 1 Oct 2002, a contract was in place with North Mason Fiber Company to take all wood material and recycle into wood chips or compost. From the Bremerton Complex, with three months of data (Oct-Dec 02) a total of 279 tons has been collected and disposed resulting in that amount not going to the landfill.

**Economic Benefits:** Overall, in one year it is anticipated that 1,116 tons or more will be collected showing a savings of \$34 per ton or \$37,944 per year. It is anticipated that the

## **COMMANDER U.S. PACIFIC FLEET (PACFLT)**

### **NAVAL STATION BREMERTON COMPLEX, WA (continued)**

Bremerton Complex along with other facilities will be able to segregate more wood in the coming months.

**P2 Environmental Benefits:** The vehicles and drivers that haul solid waste and recycle goods are the same vehicles and drivers that haul wood material, meaning no special tools or material are needed. In our case, the Solid Waste Transfer Station and North Mason Fiber Company are within a couple miles of each other minimizing mileage.

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### **NAVY SUPPORT FACILITY DIEGO GARCIA, IO**

**39. Success Description:** Used wood and pallets were used in the fabrication of box containers for scrap metals, MWR picnic tables, stools/chairs/benches, garden fences, and other no-cost self help projects. Topsoil from composting area was used for landscaping projects and residences gardens.

**Economic Benefits:** Topsoil generated through the composting program reduced the volume of topsoil imported from off-island sources. Effective QRP extended the life expectancy of the very limited Diego Garcia sanitary landfill space.

**P2 Environmental Benefits:** Qualified Recycling Program contributed in maintaining and protecting the delicate environment of Diego Garcia.

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### **U.S. NAVAL FORCES MARIANAS SUPPORT ACTIVITY, GUAM**

**40. Success Description:** A program was initiated to recycle vehicle tires off island.

**Economic Benefits:** In Calendar Year 2002, 602 cubic yards of tires were sent off island for recycling instead of being shredded and disposed of in the landfill. This has saved the labor costs of shredding tires before disposal.

**P2 Environmental Benefits:** No tires were landfilled during Calendar Year 2002. This has saved approximately 602 cubic yards of landfill space.

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## CY02 POLLUTION PREVENTION ANNUAL DATA OTHER SELECT WASTE SUCCESS STORIES

### CHIEF OF NAVAL OPERATIONS FIELD SUPPORT ACTIVITY (CNO FSA)

#### NAVAL SUPPORT ACTIVITY BAHRAIN

**1. Success Description:** Realizing the need to protect and preserve the earth and its natural resources while accomplishing our mission, Mr. Almasri successfully negotiated an unprecedented agreement with the UASE. This provided the Fifth Fleet vessels offloading HAZMATS at Jebel Ali, UAE the authority to locally recycle used oil.

**Economic Benefits:** This program has resulted in reducing the hazardous waste disposal quantity to over 240 tons of Other Select Waste (OSW) and a total cost avoidance of over \$700,000.

**P2 Environmental Benefits:** Through the implementation of this aggressive recycling program in the UAE and Bahrain, over 240 tons of OSW was recycled and reduced the hazardous waste stream by over 50%.

**Other Benefits:** Handling OSW in an environmentally friendly manner resulted in enhancing our long lasting relationship with the supporting nations. Recycling of OSW has also significantly reduced our potential liability in case of a spill and reduced our record keeping and documentation needs. Our hazardous waste is usually shipped to Canada. By recycling the OSW locally, we didn't just realize cost avoidance, we also avoided potential liability and cleanup cost due to potential oil spills.

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#### NAVAL SUPPORT ACTIVITY MID-SOUTH MILLINGTON, TN

**2. Success Description:** We are starting to have success regarding contractors being able to recycle materials during their awarded projects.

**Economic Benefits:** Landfill disposal costs are being avoided.

**P2 Environmental Benefits:** All our recycling efforts keep waste materials from being landfilled. Usable materials are being reused rather than being sent offsite for disposal.

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#### NAVAL RESEARCH LABORATORY WASHINGTON, DC

**3. Success Description:** NRL has increased collection of lead-acid batteries by 1.5 tons and oil by 16 tons in just one year. We did this by instituting more effective collection procedures and more importantly by instituting an aggressive publicity campaign to educate all NRL residents about what can be recycled. NRL has also instituted better methods for tracking C&D statistics.



**CHIEF OF NAVAL OPERATIONS FIELD SUPPORT ACTIVITY (CNO FSA)**

**NAVAL RESEARCH LABORATORY WASHINGTON, DC (continued)**

**Economic Benefits:** NRL saved thousands of dollars by recycling used oil, antifreeze, and batteries instead of sending them out for hazardous waste disposal.

**P2 Environmental Benefits:** The major benefit of increasing OSW recycling is the environmental savings offered by reuse of these products instead of stockpiling them into another HW landfill.

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**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**NAVAL CONSTRUCTION BATTALION CENTER GULFPORT, MS**

**4. Success Description:** The training school and other departments use concrete for training and for demolishing. Most of this material is clean and does not contain rebar. Mr. Ingram had heard that the City of Waveland wanted to replace a jetty that had been destroyed during a hurricane, but did not have the funds to buy the material. He called them and told them that we had material and invited them to come and see it. They said that they could use all of the material plus any other clean concrete material that we produce. We have hauled out almost two million pounds of concrete to their site and were able to help them rebuild the jetty and replace the foundation for a pier that had been blown down.

**Economic Benefits:** This has provided large savings to the community as the material will also be used on ditch and canal banks where there is erosion present.

**P2 Environmental Benefits:** Mr. Ingram was able to convert a waste concrete stream to a useful purpose. This jetty and pier foundation will become a habitat for marine animals and will help prevent storm water erosion of the beach area.

**Other Benefits:** This will provide a habitat for marine animals.

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**NAVAL STATION PASCAGOULA, MS**

**5. Success Description:** For the second year in a row, the station has maintained a low generation of other select waste. Through good management practices, the stations transportation department continues to reuse its antifreeze products by testing and filtering.

**Economic Benefits:** We have increased revenue due to better management of used oil.

**P2 Environmental Benefits:** We reduced the amount of material being landfilled.

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**COMMANDER U.S. ATLANTIC FLEET (LANTFLT)**

**NAVAL WEAPONS STATION CHARLESTON GOOSE CREEK, SC**

**6. Success Description:** We continue to identify and clean up abandoned equipment and material sites. We used 303 tons of metals and 498 tons of concrete to build offshore reefs. We recycled 8,867 tons of concrete and 530 tons of metals from a building demolition project.

**Economic Benefits:** Because of the increased tonnage to the recycling center, we avoided landfill costs for hundreds of tons.

**P2 Environmental Benefits:** We prevented possible CERCLA sites by removing hazardous leachates.

**Other Benefits:** We prevented open dumping fines, and assisted with base beautification. There is an increased awareness among base personnel regarding improper disposal and dumping of materials.

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**NAVAL AIR SYSTEMS CENTER (NAVAIR)**

**NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD**

**7. Success Description:** We have increased collection of scrap metal from construction and demolition debris.

**Economic Benefits:** NAS Patuxent River was able to generate \$6,035 in revenue from the sale of scrap metal. In addition, we were able to save \$75,717 in transportation and tipping fees.

**P2 Environmental Benefits:** NAS Patuxent River was able to recover 537 tons of scrap metal from C&D projects in 2002 versus 177 tons in 2001--a 303% improvement.

**Other Benefits:** Our tenacious involvement with the ROICC office and other base contractors has demonstrated our complete involvement in all construction, demolition and remodeling projects.

**POC Name:** Chris M. Hill

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**COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)**

**NAVAL ACTIVITIES UNITED KINGDOM LONDON, UK**

**8. Success Description:** Diverted 15,000 tons of C&D materials from the landfill to be used as building materials by construction companies.

**Economic Benefits:** Landfill cost avoidance.

**P2 Environmental Benefits:** All oils are sent for recycling to be refined or used as feed stock.

## COMMANDER U.S. NAVAL FORCES EUROPE (NAVEUR)

### NAVAL ACTIVITIES UNITED KINGDOM LONDON, UK (continued)

**Other Benefits:** Used household batteries and oils are brought to the HW storage area. This aids the commands recycling program and avoids HM/HW being disposed of illegally.

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### NAVAL SUPPORT ACTIVITY DET NAPLES, IT

**9. Success Description:** NSA Naples is recycling all lead-acid batteries and all used oils through the local consortiums. This allows NSA Naples to fully comply with the Final Governing Standards of Italy and Italian law that require that these items be properly disposed of through recycling by the local consortiums. A computer software program is being purchased that will maintain the HW database information. This will include manifests, load and unload registers and M.U.D. data for statistical purposes according to the Italian FGS.

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### NAVAL AIR STATION SIGONELLA, ITALY

**10. Success Description:** Diverted 156.83 of construction debris from landfilling. Recycled through the National Oil Recycling Consortium 172 tons of used fuel thereby diverting it from the landfill.

**Economic Benefits:** Saved \$1,191.28 by recycling construction debris. This year the amount of construction debris is smaller than last year because the construction company owner ran a RECAP. We saved \$130,313 by avoiding disposal of 172 tons of used fuel.

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## NAVAL SYSTEM MANAGEMENT COMMAND (NAVSYSMGT)

### ARMED FORCES EXPERIMENTAL TRAINING ACTIVITY, CAMP PEARY

**11. Success Description:** Over twenty new construction projects were initiated in 2002. All 20 contracts included requirements to recycle wood and asphalt and to use recycled material in new construction, where practicable and cost effective.

**P2 Environmental Benefits:** These contracts resulted in the diversion from landfill disposal of 120 tons of wood waste and 68 tons of asphalt.

**NAVAL SYSTEM MANAGEMENT COMMAND (NAVSYSMGT)**

**ARMED FORCES EXPERIMENTAL TRAINING ACTIVITY, CAMP PEARY  
(continued)**

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**NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**NAVAL AIR STATION MERIDIAN, MS**

**12. Success description:** Through the base Qualified Recycling Plan recycling has increased.  
**Economic Benefits:** We saved disposal fees at \$1 each for passenger tires with higher fees for truck and heavy equipment tires.

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**NAVAL TRAINING CENTER GREAT LAKES, IL**

**13. Success Description:** A large Navy Drill Hall was demolished. The material was recycled at the rate of 99.5%. Two Navy recruit barracks were demolished and 60% of all the brick was turned over to recycler. Only transportation charges were paid. Concrete and metal were also recycled.

**Economic Benefits:** Construction is using fewer raw materials. No tipping fees need to be paid.

**P2 Environmental Benefits:** Less solid waste is going to landfills.

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**NAVAL RESERVE FORCES COMMAND (NVRESFOR)**

**NAVAL AIR STATION JOINT RESERVE BASE FORT WORTH, TX**

**14. Success Description:** Reclaimed fuel and used oil is now sold to an oil marketer creating revenue for recycling as opposed to costing \$40,326 to recycle through the HW IDQ Contract.  
**Economic Benefits:** This results in a cost avoidance of \$40,326 and creates revenues of approximately \$2,163.

**P2 Environmental Benefits:** Savings to environmental funds of \$42,489.

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## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### FLEET ACTIVITIES CHINHAE, KOREA

**15. Success Description:** The base recycled oils through local community contractor by properly segregating POL and saving the base waste disposal costs.

**Economic Benefits:** The base saved over \$810 in POL waste disposal costs.

**P2 Environmental Benefits:** Estimated annual cost saving are \$3,235 for C&D, used oil and antifreeze.

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### FLEET ACTIVITIES, NAVAL BASE YOKOSUKA, JAPAN

**16. Success Description:** Historically, the installation has paid to dispose of used oil. We identified a licensed contractor who accepts used fuel oil at "no cost." It yielded a waste disposal cost avoidance of \$60,000.

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### NAVAL AIR FACILITY ATSUGI, JAPAN

**17. Success Description:** Disposed of over 10 tons of lead-acid batteries at NSF Kamiseya with in-house effort and DRMO for recycle facility.

**Economic Benefits:** Avoided contract costs.

**P2 Environmental Benefits:** Avoided landfill.

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### NAVAL AIR FACILITY MISAWA, JAPAN

**18. Success Description:** NAF Misawa is severely constrained by AF control of the solid waste/refuse contract, the actions of the Japanese government and the lack of recycling markets in northern Japan. We have worked within these constraints when and where possible to comply with the spirit and intent of OPNAVINST 5090.1B to reduce and/or minimize both solid and hazardous waste. We have reduced the number of line items maintained in the HM Pharmacy by another 10%, reduced duplicate ordering. We continue to reduce our expired shelf life disposal cost by donation of usable products to the local Theater Guild for props, to the Boy and Girl Scouts for community projects and to various command sponsored entities for self-help projects. We have realized an estimated \$10,000 savings over the past five years. We have combined our hazardous materials and hazardous waste training with the AF Environmental Flight thereby reducing the need to fund off-island training and saving an estimated \$10,000 per year.

## COMMANDER U.S. PACIFIC FLEET (PACFLT)

### NAVAL AIR FACILITY MISAWA, JAPAN (continued)

Additionally, this training partnership allows us to provide courses when needed and tailored to Japan and the Japanese Environmental Governing Standards that most contractors do not understand. We have been able to reduce the number of hazardous materials storage areas at the shop level from 35 to 15. The use of a "free issue" of usable hazardous materials has saved another \$3,000 per year. All units at Misawa can avail themselves of this free issue, thus avoiding the problem of ordering small stock quantities. This is important since AF regulations do not allow any hazardous materials issued to be returned to the pharmacy.

This year we eliminated two waste streams. First, by digitizing the Pacific Fleet Imaging Detachment, Misawa using P2 equipment. The second is the elimination of waste battery fluid in the AIMD battery shop as they shift to gel cell batteries. Although we must operate under constraints outside of our control, we have developed a positive and proactive program. We won the FY00 CNO Environmental Stewardship Flagship Navy Community Award and are in competition for the White House Closing the Circle Award and the DOD/SECNAV/CNO Environmental Recycling Award. We are beginning to position ourselves for another submission this year.

**Economic Benefits:** NAF Misawa has diverted 20 tons of solid waste from local landfills, reduced hazardous material pharmacy line items by 10%, and implemented a "free issue" program for an estimated total savings of \$5,000. We established the only recycle program on the base with revenue of \$2,000 per year that supports local environmental events. NAF Misawa continues to aggressively seek opportunities to expand our programs.

**P2 Environmental Benefits:** NAF Misawa replacement of ethylene glycol with propylene has reduced the toxic properties of deicing activities and ground/surface water contamination by over 1,000 gallons per year. Recycling efforts has eliminated 19.66 tons that would normally go to a local landfill. Control of hazardous materials issue through our authorized user list and reduction of hazardous material use points has significantly reduced our hazardous waste disposal cost. The use of recycle profits has improved the host nation relationship with the U.S. Navy units assigned to NAF Misawa. Reduction of hazardous material and hazardous waste cost and partnership with the AF for training allows us to better use our limited resources.

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### NAVAL REGIONAL CONTRACTING CENTER SINGAPORE

**19. Success Description:** Due to previously identified deficiencies in NRCC Singapore's Environmental Quality Assessment in April 2002, NRCC Singapore recognized the need to implement a program to comply with host nation as well as DOD and Navy requirements. NRCC Singapore, out of its own budget, funded an environmental protection specialist and filled the position. With the new person on board, NRCC Singapore is focusing its resources towards compliance and environmental excellence. In solid waste, we are drafting a solid waste strategy, which will direct efforts to increase recycling efforts by monitoring market search and verifying the quantity of waste disposed from the NRCC Singapore community.

**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**NAVAL REGIONAL CONTRACTING CENTER SINGAPORE (continued)**

**Economic Benefits:** Reduction in the disposal of solid waste will reduce operation cost to NRCC Singapore in the future.

**P2 Environmental Benefits:** Any reduction in waste generation and increase in recycling effort will help the Navy to meet compliance requirements in pollution prevention and be better stewards of the environment.

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**NAVAL STATION BREMERTON COMPLEX**

**20. Success Description:** Soft-solid tires.

**Economic Benefits:** Contact Bill Richards at (360) 476-5357 to determine specific savings.

**P2 Environmental Benefits:** No longer have to recycle our damaged tires. Soft-solid tires can be recapped and last much longer. Over the life cycle cost of each unit there is a three to one (3:1) savings on tire costs. Down time for units are minimal.

**Other Benefits:** The shipyard has instituted the use of soft-solid tires for its forklifts. The facility has approximately 250 forklifts. On the average, each unit used more than one set of tires each year. This is because the damage tires were not repairable. With soft-solid tires, light damage does not ruin the tire sidewalls. Also, soft-solid tires can be re-treaded. The manufacturer takes the tires back for refurbishing. For further information, contact Bill Richard (360) 476-5357 or Art Lazo in PW Transportation (360) 476-2026.

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**NAVAL STATION EVERETT, WA**

**21. Success Description:** Oil from our oil/water separator is on a new contract and being sold to the highest bidder each time we have a load to go out. This happens about twice a year. Also, two years ago we purchased a container to store our lead acid batteries. Profits from the batteries were used to buy the container. The container is now paid off and we are receiving the total profits.

**Economic Benefits:** We get current market value for oil at the time of the offload.

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**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**NAVY SUPPORT FACILITY DIEGO GARCIA, IO**

**22. Success Description:** The use of 532 tons C&D in erosion control projects reduced the volume of imported fill material. About 6.16 tons of antifreeze was reused and recycled through Pollution Prevention Program initiative.

**Economic Benefits:** Cost avoidance of about \$53.9K for burning 258.3 tons of used oil for energy recovery and recycling 6.16 tons of antifreeze.

**P2 Environmental Benefits:** Reduced the disposal and storage of wastes in the landfill and in the hazardous waste storage area.

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## FY02 POLLUTION PREVENTION ANNUAL DATA SUMMARY AFFIRMATIVE PROCUREMENT SUCCESS STORIES

### BUREAU OF MEDICINE AND SURGERY (BUMED)

#### NAVAL HOSPITAL NORTH CHARLESTON, SC

1. **Success Description:** Passed PMR audit and verified 80 transactions. The command could have only 14 discrepancies and still pass the audit. NAVHOSP Charleston's audit revealed only five discrepancies. Also, we use the electronic catalog to identify "green" items.

**Economic Benefits:** Cost savings to command.

**P2 Environmental Benefits:** Using E-cat allows this command to readily identify "green" items and make price comparisons for best value procurement decisions.

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### NAVAL SEA SYSTEMS COMMAND (NAVSEA)

#### NORFOLK NAVAL SHIPYARD PORTSMOUTH, VA

2. **Success Description:** The SWMP was updated. A new instruction was issued to replace the previous plan that was issued in 1996. Since June 1995, NNSY has had and has maintained a written P2 Plan. Major projects and some special efforts are listed and their progress tracked within sections of the plan. A few such recent projects are as follows: reduction of ethylene glycol; reduction of methylene chloride; reduction of mercury; reduction of volatile organic compounds (VOC); and the reduction of fluorescent lamp wastes. NNSY is a large industrial facility, ever changing to meet the needs of the fleet. As such, new P2 projects evolve as the work packages change. New tasks require new efforts to ensure the environment is protected, while at the same time maintaining our dedication to support the Navy. At NNSY we do both well. Construction contracts and most delivery orders have a specification section titled, "Waste Management."

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### NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT, RI

3. **Success Description:** On 9 October 2002, the Sustainability Expo was held at NUWC DIV Newport and jointly presented by the Environmental Division, the Commercial Acquisition Department, and the Facilities Management Office. The purpose of the event was two-fold--raise employees' awareness about sustainability and sustainable products in the workplace and at home and to celebrate America Recycle Day. This was the fifth year an exposition was held.

## NAVAL SEA SYSTEMS COMMAND (NAVSEA)

### NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT, RI (continued)

Previous expos concentrated solely on recycling and recycled content products. This year the exposition was expanded to include information on recycling, recycled content products, energy conservation, sustainable living, sustainable coastal communities, environmentally preferable purchasing, alternate-fueled vehicles, and building green. Attendees provided a lot of positive feedback.

**P2 Environmental Benefits:** The Sustainability Exposition offered our employees a hands-on experience regarding sustainability. They were able to ask the operators of the state's landfill and recycling center questions about its recycling policy. They were given the opportunity to see the quantity and more importantly, the quality of recycled content products available to them at work and what they could purchase for their homes. Employees were able to test drive an alternate fueled auto or pickup truck. Overall, they found out how to contribute to environmentally sustainable living at work and in their communities.

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## NAVAL EDUCATION AND TRAINING COMMAND (NETC)

### NAVAL AIR STATION MERIDIAN, MS

**4. Success Description:** NAS Meridian implemented APP policy by describing the general and specific purchasing guidelines. We requested base activities appoint, in writing, an APP person to monitor and report purchases of EPA-designated materials quarterly to the PWD/ENV Division.

**Other Benefits:** We receive monthly APP reports for purchases of items containing recycled materials.

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### NAVAL TRAINING CENTER GREAT LAKES, IL

**5. Success Description:** Three buildings that were demolished during the reporting year were 92-97% recycled (by weight) rather than sent for disposal to landfills.

**P2 Environmental Benefits:** By segregating materials at the work site, materials can be processed instead of landfilled. Recycled building materials include wood, concrete, scrap metal, brick, HVAC equipment, reefers, conveyors, kitchen equipment, office equipment, and retail fixtures totaling over 12,000 tons.

**Other Benefits:** Segregation of materials at the work site also helps the local labor market by using workers to separate out items before shipment to recyclers. Proper segregation allows the recycler to pay top dollar for the product and eventually return it to the material stream.

**NAVAL EDUCATION AND TRAINING COMMAND (NETC)**

**NAVAL TRAINING CENTER GREAT LAKES, IL (continued)**

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**COMMANDER U.S. PACIFIC FLEET (PACFLT)**

**NAVAL BASE VENTURA COUNTY POINT MUGU, CA**

**6. Success Description:** Refine Oil Program was implemented in CY01. NBVC Environmental negotiated an agreement with civilian vehicle maintenance shops to provide re-refine oil for all GSA vehicles on board NBVC. Oil changes are tracked through monthly logs for each calendar year, logs are maintained in the environmental office. For CY02 we used approximately 3,300 quarts of re-refined oil.

**Economic Benefits:** Re-refine oil costs the same as virgin oil. The refining process is virtually the same, and reduces our dependency for foreign oil.

**P2 Environmental Benefits:** Using re-refine oil helps preserve the environment, prolongs supplies of finite natural resources, and conserves energy (U.S. Conference of Mayors).

**Other Benefits:** Performance benefits: Studies have shown that re-refined oil performs as well as, if not better than, virgin oil (American Petroleum Institute).

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**NAVY SUPPORT FACILITY DIEGO GARCIA, IO**

**7. Success Description:** The C&D debris was used in erosion control projects. This initiative reduced the procurement of fill materials as well as provided solution to recurring soil erosion problems along the Diego Garcia shorelines.

**Economic Benefits:** Recycling and reusing used/waste materials extended the life expectancy of the very limited landfill space.

**P2 Environmental Benefits:** In CY02, about 766 tons of recyclable materials were diverted from the landfill.

**Other Benefits:** More economic benefits will be realized if a dedicated ship is available to haul Diego Garcia's scraps and other recyclables to a receiving DRMO or potential buyers. At present, approximately 1,250 metric tons of scrap metals, 33 tons of crushed aluminum cans, and 500 tons of rubber tires are staged on Diego Garcia awaiting shipment to a final destination in CONUS.

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