



Kennedy Space Center  
Center Operations Directorate

*Medical & Environmental Management Division*

# Recycling/Waste Diversion at KSC

Presented to:  
**Agency-wide  
RAP/P2 Personnel**

By:  
**Alice Smith  
Recycling Coordinator**

March 21, 2007  
Kennedy Space Center  
Kennedy Learning Institute



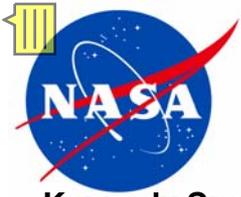
Kennedy Space Center  
Center Operations Directorate

# KSC Recycling Overview

*Medical & Environmental Management Division*

- ◆ History
- ◆ Current
- ◆ Outreach
- ◆ Future





# KSC History/Current Recycle Program

- ◆ 1991 Inception, White Paper Only
- ◆ KSC recycles on average 371 tons of mixed paper, 49.2 tons of cardboard and 1,230 tons of metal annually
- ◆ Future expansion of program
- ◆ Partner with Patrick AFB
- ◆ Aluminum can pilot program set up in two major facilities



# 2006 KSC Recycled Items Data

Kennedy Space Center

Center Operations Directorate

*Medical & Environmental Management Division*

Site/Material	Quantity	Units	Revenue
<b>Kennedy Space Center</b>	<b>37,572,839</b>	<b>lbs</b>	<b>\$282,546</b>
Aluminum	62,466	lbs	\$32,521
Antifreeze	1,341	gals	\$0
Batteries, All Types	31,563	lbs	\$2,777
Blast Media	7,347,460	lbs	\$0
C&D projects	4,470,200	lbs	\$0
Cardboard	336,799	lbs	\$253
Cement and Concrete	17,223,080	lbs	\$0
Cooking Oil/Grease	4,350	lbs	\$0
Copper	168,540	lbs	\$32,384
Electronics (scrap material)	480,052	lbs	\$91,350
Fluorescent Lamps (1.25 lbs. per)	1,948	units	\$0
Lumber	716,680	lbs	\$0
Mixed Paper	882,519	lbs	\$11,653

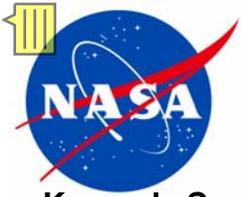


Kennedy Space Center  
Center Operations Directorate

# 2006 KSC Recycled Items Data (continued)

*Medical & Environmental Management Division*

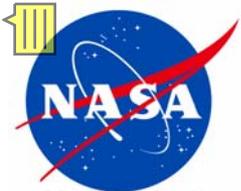
Site/Material	Quantity	Units	Revenue
<b>Kennedy Space Center</b>	<b>37,572,839</b>	<b>lbs</b>	<b>\$282,546</b>
Oil Filters	1,435	lbs	\$0
Oily Rags	15,955	lbs	\$0
Pallets	793	each	\$793
Plastic	381	lbs	\$0
Printer	106,109	lbs	\$9,646
Refrigerant	6,703	lbs	\$13,304
Scrap Metal	2,205,460	lbs	\$52,741
Solvents	4,584	lbs	\$917
Stainless Steel	6,000	lbs	\$3,600
Tires (25 lbs. per)	177	units	\$0
Toner Cartridges (1.5 lbs per)	3,104	units	\$192
Used Oil	87,105	gals	\$0
White Paper	276,503	lbs	\$30,415
Yardwaste	6,405	cubic yds	\$0



# Recycling Solid Waste at KSC Reclamation Yard

- ◆ NASA Property Disposal Officers oversee operations
- ◆ Non-hazardous and non-liquid material may be sold for scrap or as recyclable products



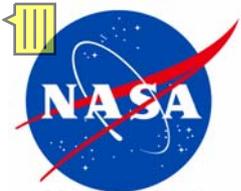


# Solid Waste Recycling at KSC

- ◆ Items that are processed and sold at the Reutilization, Marketing, and Recycling Facility (RRMF) at the Reclamation Yard are:

Aerosol cans-punctured, appliances, batteries (silver-zinc and lead-acid), computers and software, drums (steel and plastic), furniture, reusable pallets, tires, scrap metals and miscellaneous items.



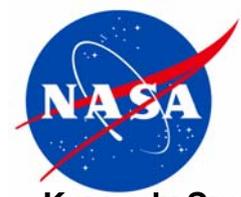


# Waste Diversion at KSC Class III Landfill

Kennedy Space Center  
Center Operations Directorate

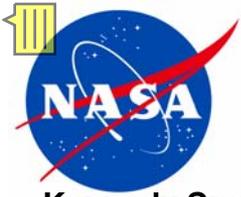
Medical & Environmental Management Division

- ◆ Any wood debris generated from various Center activities (including demo and land clearing) is segregated at the landfill and mulched and mixed with covered soil for use on the working face of the landfill
- ◆ **DARCY** (*Diverted Aggregate Reclamation & Collection Yard*)



# Recycling Funds ACCOMPLISHMENTS

- ◆ 2005/2006 RECYCLING FUNDED PROJECTS
  - Concrete Crushing \$55K
  - Concrete Sampling \$135K
  - Electric Vehicle Outlets \$3,204
  - Travel \$5K
  - Causeway Mulching \$18,698
  - KSC Landfill mulching \$55K
  - Recycled Tables/Benches \$135
  - Cardboard Containers \$16K
  - KSC Child Development Fencing \$28K (2007)



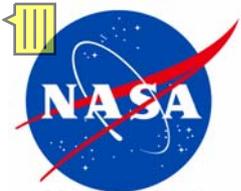
Kennedy Space Center  
Center Operations Directorate

# RECYCLING PARTNERING/OUTREACH

Medical & Environmental Management Division

- ◆ Environmental Solutions Partnering Team
- ◆ Recycling Brochures
- ◆ ESP Posters





## C&D Projects

- ◆ Life Support Facility
  - ◆ O&C Facility
  - ◆ Hangar L
  - ◆ SAEF-2
- 
- ◆ What's working well?





Kennedy Space Center  
Center Operations Directorate

# QUESTIONS



Medical & Environmental Management Division

