

FY 04 POLLUTION PREVENTION TARGETS

DATE: AUGUST 12, 2004

	ACTIVITIES	TARGET	UPDATE
1.	Replace large Iridite uses	Performance testing done	PreKote has been received; test results show short term success. Although it is USAF- approved, its use by NASA regulators is now on hold for 6 years until additional testing is complete. Will pursue other options.
2.	Garnet Recycling	Complete installation, optimize performance & implement (investigate business-wide applications)	Design adjustments completed. Performance testing is in progress. Replacement pump installed. Garnets to be retested. Manual to be written
3.	Life Cycle Assessment Tools	Determine and implement 2 applications - Refrigerants / chillers – ODCs - Uninterruptible Power Supply	Responses still needed from chiller and UPS personnel. Graduate students to identify key parameters. S. Higuchi wants LCA tools to evaluate launch vehicles. Results of lawn care study to be written up
4.	Flywheel Universal Power Supply	Conduct study	Demonstrated during Earth Week. Report needed from flywheel staff. If needed, L. Sekura to assist Flywheel personnel with guidance on P2 report.
5.	Reduction of chemicals at PBS	All 4 major facilities: a.) Assessed for excessive chemicals b.) Chemicals disposed or recycled	Clean room inspected. EFR issues to be addressed first. Metrics needed to track progress.
6.	AP/EPP web site	Implement	Yod of CSU will do programming after garnet work is done.
7.	Real Time Monitoring pilot study at Lewis Field	Implement prototype unit	Funding needed. Further work on hold until Steve Belovich of SmartData is available.
9.	Implement AP/EPP at PBS	One training session / up on Web site	HQ training session scheduled for week of 9/13. NASA HQ to provide sustainability training. M. Kenzig working on logistics of other training.
10.	Develop a SOLAR-based P2/Recycling training module	Make available	Dependent on installation of AP/EPP web site.
12.	Lawn care chemical replacement	Study and contract language	Options being reviewed under LCA qualitative guidelines. Specs for lawn care obtained from lawn care personnel. New NPR submitted to mandate EPP lawn care.
13.	Develop AP/EPP language for contracts	Five contracts with language	New committee working on charter.
15.	Biodegradable Cafeteria supplies	Conduct study	Report to come on testing of biodegradable cornstarch forks. Next step: Proposal to implement “to-go” option and reduce straw use.
16.	Convert GRC vehicles to CNG / E85/ other alternative fuels.	Conduct study	Ongoing study still in progress. Lallier to contact Strawser to see if PBS can get hybrid vehicles.
18.	Alternative power investigation	Conduct feasibility study	1. F. Miller working with Q. Quach on renewable First Energy at Lewis Field 2. F. Miller / R. Lallier looking for information from previous study, maps, and wind monitoring data. 3. F. Miller working on Lake Erie project
19.	SPF at PBS	Conduct feasibility study	Lallier to contact VRTX Technology representatives for water tower work on
20.	Study of low-strength mortar and flowable fill containing recycles	Develop guidance document	W. Kocher's associates reviewing draft document. Investigating slag issues. W. Kocher to meet Environmental Team. Discussion to be scheduled for late August.
22.	Create SAGE-like program to recommend alternates	Search tool available on net for GRC	Long term project. W. Kocher to review. Grad student to work on program.
23.	Replace paint remover in Hangar.	Methylene chloride replaced	Laser technology demonstration performed at Wright-Patterson AFB on August 9-11.
24.	AP / EPP Chapter	Publish chapter	In progress – draft being routed. Meeting to be held in near future.
25.	Spark plug / energy efficiency	Conduct study	Lallier and Weinberg reported poor results on TLR plugs. Weinberg may continue testing. Report to come.