

Revise for 2005

2005 EMS Objectives & Targets:

Objective #1 - ESC decided not to close this objective 3/05

Objective #	Objectives / Targets description	Completed
1	Production Noise/Decibel Levels – Continue program of Noise /Decibel reduction in the Sonusflex area. FS01 & LB01 areas. Team leader –Margie Evenson	
Target: # 1	Phase 2 - Reduce the decibel levels in the Sonusflex area by a total of ____ decibels by <u> ? </u> /05.	
3	THIS WILL REMAIN OPEN & ON-GOING FOR 2005 Cardboard Consumption – Implement ongoing programs for the reduction of corrugated cardboard consumption. Team leader –Steve Vincelli & Cindi Jones	
Target: # 3	Phase 2 - Ongoing 2004 targets; 1) Work with customers to establish returnable tote programs. 2) Utilize our Packaging Team, including wrap personnel to evaluate current corrugated purchases to determine which carton sizes are truly needed in order to minimize waste and improve labor and cost effects.	
4	THIS WILL REMAIN OPEN & ON-GOING FOR 2005 Energy Consumption - Implement a plan to reduce energy consumption_- Reduce Energy (gas) usage for the barrier line by assembling an energy efficiency team to evaluate the operation of the line and develop methods to conserve energy. Team leader – Joe Galbraith & Kirstin Rasmussen	
Targets # 4	Phase 3 – Ongoing 2005 targets; Evaluate and/or complete feasibility studies to reduce energy consumption for the following by <u> 11/10 </u> , 2005: 1) Lighting system - set standards to determine by candle power when the plant light bulbs will be changed by <u> 8/30 </u> , 2005. 2) Consider installing timers on water heaters to reduce energy during specific times by 10/30/2005 _____. 3) Study to consider the purchase of an infrared camera or other device to measure heat build up in electrical panels by <u> 11/10 </u> , 2005. 4) Determine the possible energy reduction of using motion sensor lighting in specific areas of the building by <u> 11/10 </u> , 2005.	
5	NEW - Reset the Cost of Environment Objectives for 2005 – Mac Mcleod & Kirstin R	
Target # 5	Complete evaluation and revision of Cost of Environment Report (Form # 4411E) and reset the Cost of Environment objectives for 2005 by July 28, 2005 for the ESC Meeting.	7-28-05
6	NEW - Reduce annual receipt of Undeliverable & Junk Mail . – Judy Kolstad	
Target # 6	Evaluate the types of undeliverable Junk Mail received at FFT and develop a system to reduce it by 10% in 2005 1. Evaluate the types and amounts of Junk Mail received at FFT by 5/31/05 – 2. Research methods to address the problem and implement as many as necessary by <u> 7/1/05 </u> to reduce the annual quantities received.	√ 5/30/05

Federal Foam Technologies Environmental Profile---2005

Who are we?

Federal Foam Technologies, Inc. is an industry leading custom designer and fabricator of products utilizing Polyurethane Foams, Custom Laminates, Closed Cell Rubber and other materials alone and in composites with materials such as ABS, Carpet, Floor Matting, Protective Films, Acoustical Products and Dampening Materials. FFT, Industrial Division at New Richmond has a Quality Management System compliant with ISO 9001:1994 and an Environmental Management System certified to ISO 14001:2004. We have approximately 120 personnel at our New Richmond facilities, all of whom believe in and support our Quality and Environmental Management System efforts.

Markets

Markets served by FFT would include: Recreational Vehicles, Agriculture and Construction Vehicles, Trucks, Buses, Industrial Medical/Health care, Consumer Comfort-cushioning, Military Packaging, Chiropractic-Therapeutic, Marine Equipment and Miscellaneous Industrial applications.

Product Applications

Typical applications would include: Aesthetic Interior Cab Trim, Noise and Vibration Dampening [inside the cab and under the hood], Protective Packaging, Thermal Insulation, Shock Absorption, Gaskets and Filtration, Mattresses and Pillows for both Consumer and Medical applications.

FFT manufacturing process

The FFT manufacturing process consists of fabricating materials into custom designs utilizing processes such as: Splitting and Slitting, Computerized Contour Cutting Molding, Convoluting, Laminating, Die Cutting, Sealing, Routing, Thermoforming, Water Jet Trimming and more.

This commitment to excellence also resulted in FFT being awarded the 2004 Wisconsin Business Friend of the Environment Award for Pollution Prevention.

The FFT Environmental Management System had aggressively pursued innovative methods for addressing the two significant environmental aspects that we generate. These two environmental aspects are external air quality and previously non-recyclable closed cell polyurethane foam and polyurethane foam composites i.e. Foam with pressure sensitive adhesive overlay.

- A. External Air Quality: FFT purchased Photo Electric Eyes, new technology Spray Guns and other equipment upgrades to prevent adhesive overspray and to closely control deposition rates on our Automated Adhesive Spray Lamination Line. The objective was to reduce VOC's by 4000 lbs. in 2004. The actual results were a reduction from 86,379.555 lbs. of VOC's in 2003 to 61,778.091 lbs. of VOC's in 2004. This reduction of 24,601.464 lbs. of VOC's is a 28% reduction which is a significant reduction in the category of volatile organic compound usage.

- B. Non-recyclable closed cell polyurethane foams and foam composites i.e. Foam with a layer of pressure sensitive adhesive: FFT has been aggressively pursuing recycling potential on this significant aspect. In early 2004 our supplier, Foamex International Inc. developed methodology to recycle this material. FFT purchased a specially designed baler in May of 2004, which would safely compress closed cell foam into bales for shipment to our recycler. From May to December of 2004 FFT has recycled 175,920 lbs. of this material (FFT part numbers, BALE2 and BALE3) that would have been sent to land fill prior to 2004.

Note: This specific recycling effort has generated \$25,369 in revenue plus the \$6,421 saved from not incurring disposal/land fill cost on the 175,920 lbs. of material that was recycled rather than sending to land fill. This total

profit contribution would take \$127,160 in sales at a 25% margin to duplicate. (See attached graphs).

Totals for all of Federal Foam Technologies recycling programs for 2004 consist of the following:

- a. 9,500 lbs. of Plastic Film
- b. 8,952 lbs, of Vyram
- c. 207,360 lbs. of Polyurethane Foam and Foam Composites
- d. 37,920 lbs. of ABS Plastic
- e. 153,840 lbs. of Cardboard
- f. 8,880 lbs./ 4440 square yards of Wooden/Steel Ruled Fabricating Dies

This total amounts to 213.2 tons or 426,452 lbs. of waste material that was recycled rather than land filled in 2004.

Recycling benefits the Environment but it also can have a very favorable impact on profits. Revenue from our recycling efforts amounted to \$ 34,712 plus the savings from not having to pay \$ 15,563.60 in disposal costs on the recycled tonnage. This total savings of \$ 50,275.60 is pure profit which would take \$ 201,102.40 in sales at a 25% profit margin to duplicate the results.

Thank you for considering this nomination for the 2005 Wisconsin Business Friend of the Environment Award.

Malcolm "Mac" McLeod

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