

FUTURE FOCUS

Future Environment Designs Inc.

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When we seek to discover the best in others, we somehow bring out the best in ourselves.

~ William Arthur Ward

Special points of interest:

- We accept MasterCard, Visa, and American Express credit cards.
- Call us at (800) 969-3888 for your Safety Equipment & Supply needs.
- Our new location is 6800 Jericho Turnpike, Suite 120W, Syosset, New York 11791.
- Visit our website at www.futureenv.com

Asbestos Release During Removal of Resilient Floor Covering Materials (VAT)

Welcome to the Spring 2007 edition of Future Focus. It seemed like winter was refusing to give up and actually went out with an ice storm. But, now spring has arrived and we are starting to settle into the changes we have made. Please remember to pay attention to your confirmation of registration when we send it to you. This will tell you where the class is being held. So far in 2007, we have held classes at our new home 6800 Jericho Turnpike Suite 120W in Syosset, also in Lake Success, Yaphank, Upton, Middletown, and Massapequa, New York. We are working on holding additional classes in Locust Valley, Long Island City, and our usually scheduled classes in Plattsburgh. As we said previously 2007 promises to be an interesting year with many new opportunities.

A while back, I heard about a study that was done on asbestos release during the removal of floor tile (VAT) and decided it would be interesting to see what this study found. Because we work in New York (NYS), we are very familiar with the limitations of polarized light microscopy (PLM) analysis on VATs or for that matter on any nonfriable organically bound (NOB) material. Under NYS

Environmental Laboratory Accreditation Program (ELAP) requirements materials that are considered NOBs must go through a multiple step process for analysis. This process ends with analysis by Transmission Electron Microscopy (TEM) for samples that are negative for asbestos.



**By Angelo Garcia, III
Founder,
Future Environment Designs, Inc.**

This method is required for VATs because the type of asbestos typically used was Grade 7 asbestos known as Shorts & Floats. Grade 7 asbestos is no longer sold and was the cheapest asbestos material sold. The dimensions of this grade of asbestos was ultra-fine. With fiber dimensions approaching the less than 5 micron range. The study titled "Asbestos Release During Removal of Resilient Floor Covering Materials" by Marion Glenn Williams, Jr. and Robert N. Crossman, Jr. of the University of Texas Health Center was published in the 2003

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2007 Training Sponsors:



FUTURE ENVIRONMENT DESIGNS PROJECT NEWS

SAFETY AND HEALTH COORDINATOR/TRAINER - NASSAU SCHOOLS

Future Environment Designs is coordinating safety and health requirements for several school districts. Our duties include performing training classes in Right-to-Know, Bloodborne Pathogens, Asbestos Awareness, and Lockout/Tagout. Additional responsibilities include attending various safety meetings, coordinating with Facility Managers and Business Officials in ensuring various School Safety requirements are reported and documented.

NEW CONSTRUCTION MOISTURE INSPECTIONS - MANHATTAN

Future Environment Designs just signed on to perform periodic mold and moisture inspections. Our responsibility will be to work with the General Contractor and his subcontractors to prevent moisture intrusion, water damage, and mold growth, while the building is open to the elements.

OSHA ASBESTOS CLASS III & IV TRAINING-BROOKHAVEN

Future Environment Designs performed asbestos training for a major laboratory in Brookhaven in compliance with OSHA Class III requirements for workers with the potential to disturb asbestos containing materials and OSHA Class IV requirements for workers who may contact asbestos but not disturb asbestos. The purpose of this training is to comply with OSHA requirements under the 1910.1001 & 1926.1101 regulations.

Reminders

We've moved to 6800 Jericho Turnpike, Suite 120W, Syosset, New York. Training classes being held in Syosset are located at this address unless otherwise noted in our schedule.

Visit our website at www.futureenv.com our training calendar for 2007 is online. Our blog is at <http://futureenv.blogspot.com> or you can link to the blog under Angelo Garcia, III's picture.

Train online and take 5% off the course by entering the following code at checkout:
NEWS06

VAT Study Finds Potential Exposure

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issue of "Applied Occupational and Environmental Hygiene" magazine. This study was done to determine if there was fiber release at the less than 5 micron level that was not being analyzed by the Phase Contrast Microscopy (PCM). PCM is used for air sample analysis and only analyzes greater than 5 micron fibers with a 3:1 or greater length to width ratio. The study found the following issues:

- When removing a non-asbestos sheet vinyl flooring with an asbestos felt backing the PCM method only reported 5-7% of the fibers counted by the TEM method.
- When removing an asbestos containing 12x12 VAT with asbestos containing mastic the PCM method only reported 2-2.5% of the fibers

counted by TEM.

- When removing an asbestos 9x9 VAT with an asbestos mastic the PCM method reported 0-2.5% of the fibers counted by TEM.
- When removing mastic using a mastic remover (TEM levels were between 1.319-1.749 structures/cubic centimeter (s/cc)) versus amended water (TEM levels were between 0.094-0.184 s/cc).

This study shows that air sample results are significantly underreported using the PCM method of analysis. When performing VAT removals we should be using TEM analysis for clearance at least and should run a few TEM samples during the removal. Let me know what you think at <http://futureenv.blogspot.com>.

FOR YOUR INFORMATION



Safety Suzy Says:
April 1 is the third annual National Asbestos Awareness Day. The day was created in remembrance of those individuals that lost their lives

working with asbestos. The Asbestos Disease Awareness Organization is sponsoring a conference called a Global Mission: Call to Action to Prevent, Detect, and Treat Asbestos Related Diseases & Trauma. Unfortunately, this conference will probably be over by the time you get this newsletter (3/31-4/1/07).

OSHA to Require Employers to Pay for Personal Protective Equipment
In response to a lawsuit on 1/3/07 by the AFL-CIO and United Food and Commercial Workers International Union (UFCW), OSHA has agreed to issue a final rule on employer payment for personal protective equipment (PPE) for employees by November 2007. The OSH Review Commission had ruled back in 1997 that the current standard did not obligate employers to pay for PPE. In 1999, OSHA proposed a rule that made it the employer's responsibility to pay for PPE. The 1999 proposed rule will be made into a final rule on November 2007.

Top Ten Odor Sources in Building Complaints as per Air Quality Sciences.

Odor	Source
Bleach, pungent thunderstorm	Air cleaning devices
Dead fish, putrid	Wet insulations, vinyl
Pungent, musty, sweet, pine, citrus	Cleaning products & processes
Sharp, pungent, waxy	Furniture, paints
Putrid, sour	Roofing, fireproofing, woods
Sweet, play dough	Flooring levelers, plastics
New carpet	SBR flooring
Musty, moldy	Active mold growth
Sharp & pungent	Plastics & vinyl
Rubber, petroleum	Adhesive, recycled rubber

APRIL - JULY Courses (Location)

DATE

Asbestos Supervisor Refresher (Syosset)	Apr. 24
Asbestos Supervisor Initial (Nights - Freeport)	Apr. 30-May 12
Asbestos O & M/Handler Refresher (Syosset)	May 3
Asbestos Inspector/Management Planner Refresher (Syosset)	May 10
Asbestos Project Designer Refresher (Upton, NY)	May 15
Asbestos Project Designer Refresher (Plattsburgh, NY)	May 21
Asbestos O&M/Handler Refresher (Plattsburgh, NY)	May 22
Asbestos Supervisor Refresher (Plattsburgh, NY)	May 23
Asbestos Air Sample Technician/Project Monitor Refresher (Plattsburgh)	May 24
Asbestos Inspector/Management Planner Refresher (Plattsburgh, NY)	May 25
Asbestos Supervisor Refresher (Yaphank)	May 30
Asbestos Air Sample Technician/Project Monitor Refresher (Syosset)	Jun 7
Asbestos O & M/Handler Refresher (Upton, NY)	Jun 12
Asbestos Inspector/Management Planner Refresher (Syosset)	Jul 2
Asbestos Air Sample Technician/Project Monitor Refresher (Syosset)	Jul 18
Asbestos Supervisor Refresher (Syosset)	Jul 26
Asbestos Project Designer Refresher (Syosset)	Jul 31
Asbestos Project Designer Initial (Syosset)	Aug 1 - 3
Asbestos O & M/Handler Refresher (Yaphank, NY)	Aug 6



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Keeping Employees Safe

We're on the web
www.futureenv.com

Sponsorships Help You Advertise Your Business or Job Openings

Future Environment Designs is now offering sponsorships that can work with your advertising, marketing, or hiring campaigns to specifically access the individuals that purchase asbestos, safety and health supplies and equipment or individuals that may be looking for work. So far in 2007, we have printed over 100 course manuals that our students use for our courses and as a reference for looking up questions with the regulations. In addition, we have handed-out catalogs, posters, postcards, and other handouts from our current sponsors.

We have three levels of sponsorships that have been set-up to work with various budgets and because we are primarily an asbestos training

provider, each level is named after a type of asbestos. For complete information and details on each of these Sponsorship levels call us for our brochure.

The first level is the Chrysotile Sponsorship Level for \$500 per year. This level gives you an 1/8 page ad in our course manual, your logo link on our website and on this newsletter under training sponsors on the front page, and handing out marketing materials at all our classes.

The Amosite Sponsorship Level for \$1,000 per year. This level gives you a 1/4 page ad in our course manual, your logo link on our website and on this newsletter, and handing out marketing materials at all our classes.

The Crocidolite Sponsorship Level for \$2,000 per year. This level gives you a 1/2 page ad in our course manual, your logo link on our website, blog, and on this newsletter, provide continental breakfast for our students, and handing out marketing materials at all our classes.



If all flowers wanted to be roses, nature would lose her springtime beauty, and the fields would no longer be decked, out with little wildflowers.--Saint Therese of Lisieux