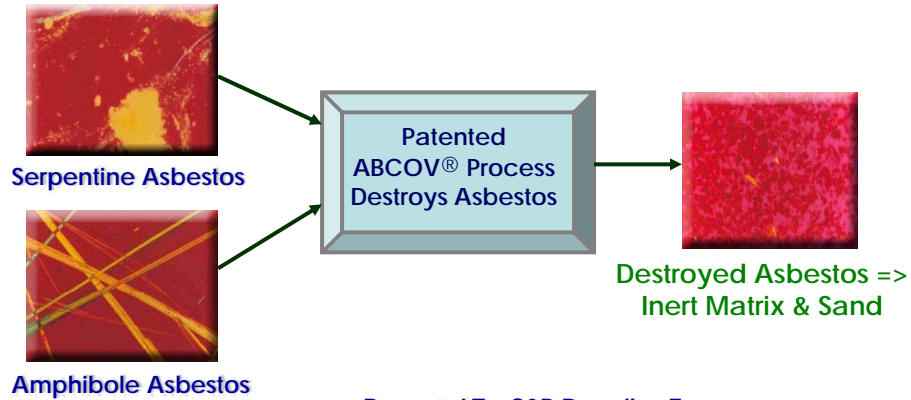


# The ABCOV® Method

## ***"WORLD'S ASBESTOS SOLUTION™"***



Presented by: Tony Nocito

Presented To: C&D Recycling Forum  
Date: October 3-5, 2010

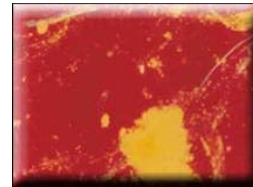
*Using ABCOV® = Asbestos Free Environment*

The ABCOV® Method  
Destroys Asbestos

## What is Asbestos?

➤ Asbestos is a group of six types of naturally occurring minerals:

1) **Serpentine:** Chrysotile (white asbestos): Fine, silky, flexible white Chrysotile fibers make up 80% to 90% of all asbestos contained in buildings in the United States.



2) **Amphibole:** Amosite (brown asbestos): Straight, brittle fibers, light gray to pale brown most commonly used in thermal system insulation and the second most prevalent type of asbestos found in building materials.



Less common used Amphibole Asbestos:

- 3) Crocidolite (blue asbestos)
- 4) Tremolite
- 5) Anthophyllite
- 6) Actinolite

*Asbestos Knowledge*

The ABCOV® Method  
Destroys Asbestos

## Purpose of Asbestos

Asbestos was commonly used for:

- Fireproofing
- Electrical insulation
- Chemical filters
- Building materials
- Brake linings
- Cement Products



*Asbestos Usage*

The ABCOV® Method  
Destroys Asbestos

## Asbestos Disposal and Advice?

➤ If your property is more than 20 years old, it's possible that it contains materials made from asbestos.

➤ What to do if you have asbestos in your property:

-It is always best to leave asbestos alone, it's usually safe unless it's damaged or disturbed.

-The best way to deal with damaged material is to limit access to the area and not disturb it. Check with local health, environmental, or other appropriate officials to find out proper handling and disposal procedures.

-DO NOT attempt to remove asbestos yourself, contact a licensed contractor who can safely remove the asbestos.

*Asbestos Knowledge*

The ABCOV® Method  
Destroys Asbestos

## Dangers of Asbestos

- All types of asbestos are damaging to your health.



- The inhalation of asbestos fibers can cause serious diseases of the lungs and other organs that may not appear until years after the exposure has occurred.
- Three of the major health effects associated with asbestos exposure include:

**-Mesothelioma      -Lung Cancer      -Asbestosis**

*Asbestos = Danger*

The ABCOV® Method  
Destroys Asbestos

## Asbestos Diseases

- In the United States nearly 3,000 people are diagnosed with Mesothelioma each year.
- Nearly 125 million people encounter asbestos in the workplace.
- Research estimates that 100,000 people die each year from asbestos-related diseases, and that there will be 5 million to 10 million deaths from asbestos-related cancers by 2030.



*Every year there are more people killed by asbestos than in road accidents.*

The ABCOV® Method  
Destroys Asbestos

## Asbestos Abatement Project



*Fire Proofing Abatement Project*

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Destroys Asbestos

## Asbestos Used in 3,000-5,000 Products

- Early 1800s Asbestos First Used in Building Materials
- 1979: U. S. Restricts the Use of Asbestos in Building Materials
- 31 Years of Removal “Bag, Tag & Landfill Storage” Not Disposal



*Using ABCOV® You'll Never Have to Worry About Asbestos Landfill Liability*

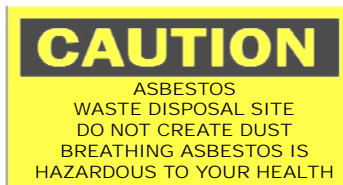
The ABCOV® Method  
Destroys Asbestos

## Consequences of Bagging and Tagging:

- Plastic Bags are Dumped From the Height of a Trailer or Container Into the Landfill
- Heavy Construction Equipment Applies 6 Inches Cover, Probable Results:
  - Bags Break
  - Asbestos Fibers Become Airborne
  - Migrate Into the Water Table



## Short Term Cost Savings With Perpetual-Incalculable Costs



Using ABCOV® You'll Never Have to Worry About Asbestos Landfill Liability

The ABCOV® Method  
Destroys Asbestos

## ABCOV®

US EPA Report:  
Valuing Potential Environmental Liabilities for  
Managerial Decision-Making:

***“By Definition, All  
Environmental Liabilities  
Involve Future Costs.”***

ABCOV® Stops Future Asbestos Liability Costs

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Destroys Asbestos

**ABCOV® Complies with CERCLA:**  
**Comprehensive Environmental Response,  
Compensation, and Liability Act**

**CERCLA Requires:**

Treatments that permanently and significantly reduces:

- Volume → *ABCOV® Reduces Volume*
- Mobility of hazardous substances → *ABCOV® Stops Mobility*
- Toxicity → *ABCOV® Destroys Asbestos*



**ABCOV® Stops You From Being A Potential Responsible Party (PRP)**

*ABCOV® Totally Eliminates Asbestos Superfund Worries*

The ABCOV® Method  
Destroys Asbestos

**Governing Asbestos Environmental Regulations:**

**Federal Regulations:**

Occupational Safety and Health Administration  
- 29 CFR 1910.1001

National Emission Standards for Hazardous Air Pollutants for  
Asbestos - 40 CFR Part 61

**Asbestos Conversion Facility Regulation**  
Federal Environmental Protection Agency  
- 40 CFR 61.155

**State-Specific:**

Variance (if required)  
Air Permit (if required)  
Solid Waste Regulations



*ABCOV® Complies with State and Federal Regulations*

The ABCOV® Method  
Destroys Asbestos

## THE ABCOV® PROCESS IS EFFECTIVE:

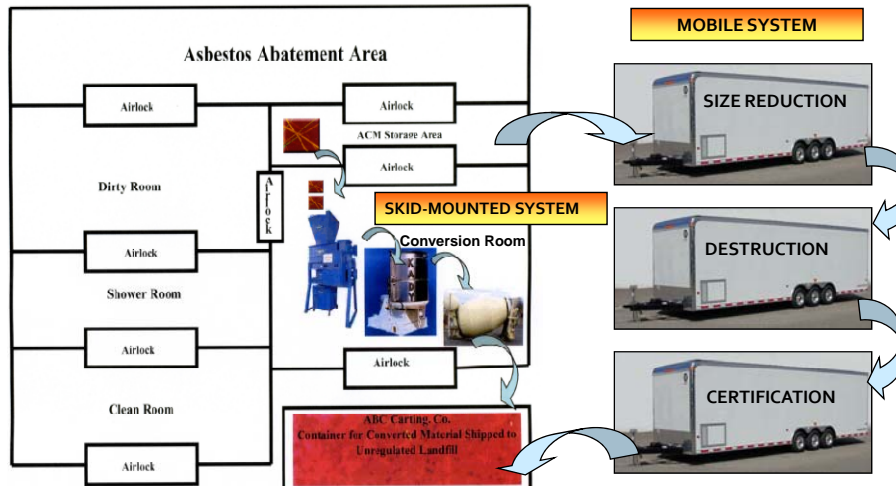
- Permanently Destroys all 6 Asbestos Forms in Asbestos Containing Material
- Secondary Hazardous and Mixed Wastes Can be Treated and Stabilized
- Incorporates Proven, Commercially Available, and Reliable Equipment
- Can be Modular and Transportable or Fixed Base
- Scalable to Meet the Customer's Needs

*ABCOV® is Effective and Easy to Use*

The ABCOV® Method  
Destroys Asbestos

## ABCOV® Abatement Integration

Process Complies with NESHAP



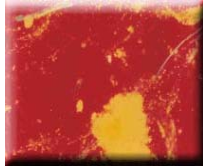
On-site Treatment Eliminates Asbestos Trucking

*ABCOV® = No Trucking of Asbestos Off Site*

The ABCOV® Method  
Destroys Asbestos

## SERPENTINE AND AMPHIBOLE THROUGH THE ABCOV® PROCESS

Serpentine Asbestos



Chrysotile

Amphibole Asbestos



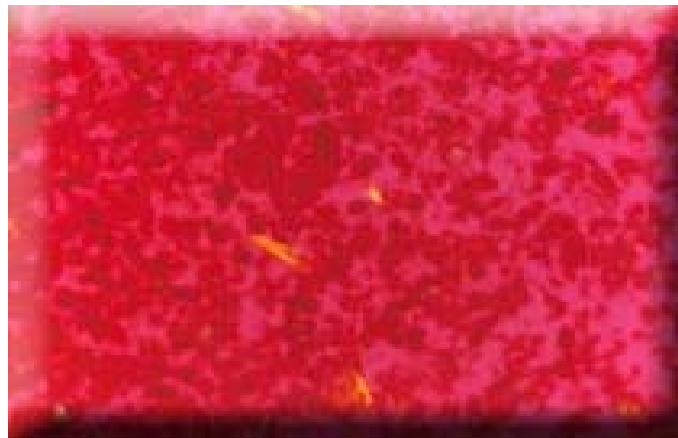
Amosite

Patented  
ABCOV® Process  
Destroys Asbestos

*ABCOV® Destroys All Serpentine and Amphibole Asbestos*

The ABCOV® Method  
Destroys Asbestos

## ASBESTOS CONVERTED TO NON-ASBESTOS MATERIAL



**Destroyed Asbestos => Inert Matrix & Sand**

*ABCOV® = Total Destruction of Asbestos*

The ABCOV® Method  
Destroys Asbestos

## ABCOV® Environmental Benefits:

- **Reduce:** Destroyed ACM Volume and Peripheral Waste Volume Reduced by 50-90%
- **Reuse:** All plastics and peripheral debris can be washed for additional cost savings
- **Recycle:** Converted Asbestos can be used for: landfill cover, additive to concrete, roadbed material, etc.

*Recycle and Reuse = Reduced Process Costs*

*ABCOV® Provides Positive Environmental Benefits*

The ABCOV® Method  
Destroys Asbestos

## ABCOV®

### *"A Simple Process to Operate"*

- On-site Training in the ABCOV® Process for the Contractor or Owner's Accredited Asbestos Abatement Workers
- ABCOV® License and Certificate Issued Upon Completion of Training
- Laboratory Technician to Verify Asbestos Destruction by Polarized Light Microscopy (PLM)

*The ABCOV® System is Operated by the Abatement Contractor or Owner's Personnel*

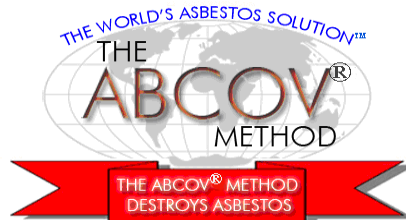
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Destroys Asbestos

## ABCOV®: Financial Benefits

- Eliminates unpredictable future asbestos financial and Superfund risk analysis and appropriation from the balance sheet.
- Eliminates asbestos waste disposal and cradle-to-grave liability.
- Reduces cost of CERCLA Section 108(b), Financial Assurance Requirements.
- Reduce Future Asbestos Claims and Related Illnesses.
- Tax Advantage: Capital Deduction or Deductible Expense.

*ABCOV® = Good Financial Management*

The ABCOV® Method  
Destroys Asbestos



**The ABCOV® Method  
Is The Only  
Sustainable Asbestos  
Solution™**

*ABCOV® = Positive Action, Cost Savings and Excellent Public Relations*

The ABCOV® Method  
Destroys Asbestos