

# CLEAN AIR CLIPS - WINTER 2003

DCCA's Small Business Environmental Assistance Program

(800) 252-3998

## US EPA Updates

### AREA SOURCES AFFECTED BY SECONDARY ALUMINUM Maximum Achievable Control Technology (MACT)

Maximum Achievable Control Technology (MACT) standards are established to reduce emissions of hazardous air pollutants (HAPs) from specific industrial categories. A MACT standard for secondary aluminum production facilities was issued on March 23, 2000. Secondary aluminum production facilities include aluminum scrap shredders, thermal chip dryers, scrap dryers/delacquering kilns/decoating kilns, melting and or holding furnaces (group 1 and 2), sweat furnaces, dross-only furnaces, and rotary dross coolers.

Major sources of hazardous air pollutants will have to comply with every section of the rule that is applicable to their specific emission units. The hazardous air pollutants regulated here are the 188 listed by the US EPA in section 112(b) of the Clean Air Act.\*

The section of the rule related to dioxin and furan (D/F) emissions will affect both major AND area sources. Area sources are those businesses with emissions of hazardous air pollutants below the major source level.

#### Area Sources Affected

Of all the affected processes at a secondary aluminum production facility, area sources will have to meet the dioxin and furan (D/F) limits on the following units:

- Thermal chip dryers
- Scrap dryers/delacquering kilns/decoating kilns
- Group 1 furnaces (or a secondary aluminum production unit with one or more Group 1 furnace)
- Sweat furnaces

New units must be in compliance upon start while existing units, those installed prior to February 11, 1999, must be in compliance by March 23, 2003. EPA is adjusting their rule to require that initial performance testing be complete prior to that date rather than giving the sources 180 days from the compliance date, as they have in other rules. ^ Time to perform an initial test is running out...!!!• Only a sweat furnace with an afterburner used to control emissions and that meets design criteria of 0.8 second residence time and 1600 degrees Fahrenheit operating temperature DOES NOT have to conduct a performance test.

#### Thermal Chip Dryers

A thermal chip dryer is a device that uses heat to evaporate water, oil or oil/water mixtures from unpainted/uncoated aluminum chips.

#### Scrap Dryer/Delacquering Kiln/Decoating Kiln

A scrap dryer/delacquering kiln/decoating kiln refers to a unit that is primarily used to remove various organic contaminants such as oil, paint, lacquer, ink, plastic, and/or rubber from aluminum scrap - including beverage containers - prior to melting.

### **Group 1 Furnaces**

These are furnaces of any design that melt, hold or process aluminum that contains paint, lubricants, coatings, or other foreign materials with or without reactive fluxing, or process clean charge with reactive fluxing.

### **Sweat Furnaces**

A sweat furnace is a unit that is specifically designed to reclaim aluminum from scrap that also contains large quantities of iron. The aluminum has a lower boiling point than iron and will melt off in the furnace at the right temperature while the iron remains solid.

For additional information about this MACT, visit the US EPA's Web site at: [www.epa.gov/ttn/atw/alum2nd/alum2pg.html](http://www.epa.gov/ttn/atw/alum2nd/alum2pg.html) or contact the Small Business Environmental Assistance (SBEAP) helpline at 800/252-3998 (TDD: 800/785-6055).

Major sources are defined as those that emit greater than 10 tons of a single HAP or a total of 25 tons of combined HAPs. For a list of US EPA regulated HAPs, visit the Web site at: [www.epa.gov/ttn/atw/188polls.html](http://www.epa.gov/ttn/atw/188polls.html) or contact the Small Business Environmental Assistance Program at 800/252-3998 (TDD: 800/785-6055).

Thanks to the Wisconsin Clean Air Assistance program for contributing to this article.

### **National Performance Track - Now Accepting Applications...**

The National Environmental Performance Track program is a voluntary partnership program with the US EPA that recognizes and rewards businesses and public facilities that demonstrate strong environmental performance beyond current requirements. It encourages continuous environmental improvement through the use of environmental management systems, local community involvement, and measurable results.

Governor Whitman invites all facilities to apply to the National Environmental Performance Track. The application process for the Performance Track is designed to minimize the burden for applicants while providing sufficient information for EPA and states to evaluate whether a facility meets the program criteria. Applications are accepted twice a year, February 1 - April 30 and August 1 - October 31, 2003. The next application period begins February 1st, 2003.

For more information, visit the US EPA's Web site at: [www.epa.gov/performancetrack](http://www.epa.gov/performancetrack) or call the Small Business Environmental Assistance Helpline at 800/252-3998 (TDD: 800/785-6055).

## **Illinois Updates**

### **Environmental Workshops for the Construction & Demolition Industry and Building Code Officials**

The Department of Commerce and Community Affairs' Small Business Environmental Assistance Program along with 18 industry co-sponsors will be holding eight workshops around the state in February to educate the construction industry and building code officials about requirements for asbestos, lead, mold, and safety and health. Registration is required by February 3rd and there is a \$25 nonrefundable fee to cover meal expenses. Workshops will be held from 8:30-4:30 on the following dates and locations:

- Feb. 4 -- Illinois Community Action Association, Springfield
- Feb. 6 -- Parkland College, Champaign

Feb. 13 -- Starved Rock Lodge, Utica  
Feb. 19 -- Rend Lake College Marketplace, Mt. Vernon  
Feb. 20 -- Gateway Conference Center, Collinsville  
Feb. 25 -- College of Lake County, Grayslake  
Feb. 26 -- Elgin Community College, Elgin  
Feb. 27 -- Triton College, River Grove

If you have questions or would like to register for one of the workshops, please contact the Illinois Small Business Environmental Assistance Help line at 800/252-3998. Don't forget to register by February 3, 2003!!!

Sponsors of the workshops include: The Illinois Dept. of Commerce & Community Affairs, Illinois Small Business Development Network, the Illinois Environmental Protection Agency, Illinois Department of Public Health, National Federation of Independent Businesses, Associated Builders & Contractors: Northern IL Chapter, Builders Association of Greater Chicago, Southern Illinois Builders Association, Central IL Builders of AGC, Central IL Chapter of the American Society of Home Inspectors, Fox Valley General Contractors Association, Suburban Building Officials Conference: BOCA Chapter, Home Builders Association of Greater Southwest Illinois, Northwest Building Officials and Code Administrators: Chapter 35, Chicagoland Chamber of Commerce, Federation of Women Contractors, Black Contractors United, Federation of Women Contractors, Chapter 68 Code Enforcement Officials of Southern IL, and the Southern Suburban Building Officials Association of IL: Chapter 39

#### **Attention: Storage Tank Operators**

Above ground and underground storage tanks that are 10,000 gallons or above that store organic liquid materials require a state operating permit from the Illinois EPA Bureau of Air because they have a potential to emit air contaminants. However, there are a number of storage tanks that may be exempt from permitting. Tanks exempted from permitting include any size tank that stores soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions or aqueous caustic solutions, provided an organic solvent has not been added or mixed with these materials. Also, any size tank that contains virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil or residual fuel oils is exempted from permitting. All storage tanks with a capacity of less than 40,000 gallons that store Illinois crude oil located on oil field sites are also exempted from permitting. Specific requirements for all gasoline dispensing storage tanks based on age, location and size exist. For more information on storage tank requirements and exemptions, please contact the SBEAP helpline at 800/252-3998 (TDD: 800/785-6055).

#### **Don't Forget To Revise Your Air Permit...**

If a business adds new equipment that has the potential to emit an air contaminant, a state construction permit with the Illinois EPA Bureau of Air (BOA) may be required unless the equipment or operation is specifically exempted. If there has been an increase in production or if there has been a modification to an existing piece of equipment that has the potential to increase the amount of air emissions, a notification must be sent to BOA as a revision to existing air permit or a new construction permit may be needed. If a new regulation has been issued that may impact your equipment, a notification and/or a possible revision to the permit may be required to demonstrate compliance. For more information or to see if your process is exempted, please contact the SBEAP helpline at 800/252-3998 or the permit engineer on call with the Illinois EPA Bureau of Air at 217/782-2113.

**Do you have an air permit? If so, your Annual emission report must be filed by may 1, 2003! Questions, call the Illinois EPA at 217/524-0948 or the Small Business Environmental Assistance Helpline at 800/252-3998 (TDD: 800/785-6055) or visit the Web site at: [www.epa.state.il.us/air/aer](http://www.epa.state.il.us/air/aer)**

**New Publications available...**

- 2003 Dry Cleaner Calendar
- Mercury, What Every Citizen Should Know
- Landscape Waste, Air Facts
- Open Dumping-- Don't do it!
- What to Expect from an Environmental Compliance Inspection

For your FREE copy of any of the publications mentioned above, contact the SBEAP Helpline at 800/252-3998 (TDD: 800-785-6055).

**MARK YOUR CALENDARS. . .**

Starting February 4th -- Construction and Demolition Industry Workshops, eight state wide.

U.S. Chamber of Commerce and the U.S. Small Business Administration - Business Matchmaking

March 4 & 5 Orlando, Florida

April 8 & 9 Houston, Texas

For more information, contact Antonio Doss of the U.S. SBA at 202/205-6885 or via e-mail at: [antonio.doss@sba.gov](mailto:antonio.doss@sba.gov)

March 5 & 6 Great Lakes Pollution Prevention Roundtable Winter Conference  
Chicago, Illinois

For more information, contact Debra Jacobsen at 630/472-5019 or visit the Web site at:

[www.glppr.org](http://www.glppr.org)

March 23 Initial Testing for Secondary Aluminum MACT (see article on previous page) due

For more information, contact Hank Naour at the Illinois EPA at 217-782-2113

May 1 Annual Emission Reports Due

Questions, contact the Illinois EPA at 217/524-0948 or the SBEAP Helpline at 800/252-3998.

(For all DCCA listings, the TDD number is 217/785-6055. For all Illinois EPA listings, the TDD number is 217/782-9143.)