Industrial Pretreatment Quarterly

Published for Industrial Dischargers by the King County Industrial Waste Program

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Mission Statement

The mission of the Industrial Waste Program is to protect the environment, public health, biosolids quality, and King County's regional sewerage system. We work cooperatively with our customers as we regulate industrial discharges, provide technical assistance, and monitor the regional sewerage system.

Industrial Waste Advisory Committee

Kevin Burrell,
Environmental Coalition of South Seattle (ECOSS)
Ken Gross, GM Nameplate
Sandy Hallberg, Asko Processing
Lou Hollers, North Creek Analytical
Donna Hoskins, Berlex Laboratories
Bill Hughes, Circuit Partners
Mike Jeffers, Envirotech Systems
Kim Niino, Safeway Distribution Center
Tom Raymond, Honeywell, Inc.
Steve Skodje, Cargill, Inc.
Doris Turner, Boeing Commercial Airplane Group- Renton
Chris VanHoof, City of Kent

The King County Industrial Waste Program salutes the 2002 Award and Recognition Program Awardees

(awarded in 2003 and listed here throughout that year)

Commitment-to-Compliance Award

Boeing Commercial Airplane – Renton
Circuit Services WorldWide LLC
Industrial Container Services, Inc.
Time Oil Company
Universal Sheet Metal, Inc.

KCIW Award Winners Recognized

Boeing's Treatment Plant Operatotor Chad Kiehn and Environmental Engineer Doris Turner receive the Green Globe Award from King County Executive Ron Sims.

KCIW's Rewards and Recognition Program awardees were honored this spring for their achievements in wastewater pretreatment. King County recognized the KCIW EnvirOvation/Green Globe winner and Commitment-to-Compliance Award winners at an April 11 Green Globe Awards ceremony in Seattle. Presentations by County Executive Ron Sims and Pam Bissonnette, director of the King County Department of Natural Resources and Parks celebrated the accomplishments of the companies.

All winners received KCIW recognition with: certificates or plaques; citing in a (May 28) *Seattle Times* display ad; listings in both this newsletter and on KCIW's Web pages; and special recognition at KCIW's June Industrial Wastewater Advisory Committee meeting.

The Boeing Commercial Airline Group – Renton won a 2003 Green Globe Award for the category "Leader in Industrial Waste Reduction." The award recognizes businesses that voluntarily implement innovative pollution prevention strategies, significantly update their pretreatment equipment or methods, or significantly reduce the amount of industrial wastes being discharged to King County sewerage systems.

The Boeing–Renton group won KCIW's 2001 EnvirOvation Award for significantly reducing both the amount of chemicals it

(continued on Page 6, column 1)

Inside This Issue:

- KCIW Award Winner Recognized
- KCIW News Briefs
- Commitment-to-Compliance Profile
- GRCC offers Pretreatment Courses
- MP&M Update
- March IWAC Meeting
- Ecology's TREE Program
- Component Agencies Update: Root Killers
- Recent KCIW Enforcement Actions

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King County
Wastewater Treatment Division
Industrial Waste Program

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KCIW News Briefs

Save The Date for KCIW's workshop! You are invited to attend one of KCIW's workshops and treatment plant tours taking place at South Treatment Plant September 24, and at West Point Treatment Plant October 1, from 8:30 a.m. – 12:30 p.m. Those with time limitations can select a portion of the morning's activities. Events will include breakfast refreshments, speakers, a question and answer session, opportunities for networking, and an optional tour of the plant. We will mail workshop schedules and registration forms in August. Forms will also be available in the September edition of this newsletter. *Please plan to attend!*

Upcoming Industrial Waste Advisory Board (IWAC) Meetings

KCIW's Industrial Waste Advisory Committee (IWAC) will meet September 10 and December 3. Committee meetings are usually held from 9 a.m. to noon in Room 105 at 130 Nickerson Street (the Canal Place Office Park), Seattle.

The meeting site is wheelchair accessible. Those who have needs or disabilities for which arrangements must be made ahead of time should get in touch with the Industrial Waste Program at least two weeks before a meeting by calling (206) 263-3000 (voice) or the Washington Relay Service at 1-800-833-6388 or e-mail *kristin.painter@metrokc.gov*.

For more information about the IWAC, go to **http://dnr.metrokc.gov/wlr/indwaste/Iwac.htm** or contact KCIW. (See article with a summary of the March 5 meeting on page **5**.)

Volunteers Needed for College Advisory Committee

Green River Community College (GRCC) is looking for volunteers to serve on their Industrial Wastewater Treatment Advisory Committee. Meetings will be held three times a year on the GRCC Auburn campus. For more information contact Mary Jo Adams, at (253) 833-9111, x4367 or *madams@grcc.ctc.edu*. The site for the program is **www.ivygreen.ctc.edu/wawa/** on the Web.

Nominations for EnvirOvation Award

To nominate your own business or any facility that has achieved any of the criteria/goals during the 2003 calendar year, please submit a detailed letter (limited to three pages) describing the facility's achievements by December 15, 2003. KCIW staff will review all nominations. Please note that we have added new "leadership" criteria to the award eligibility.

(continued on Page 3)

Gold Award

Alaskan Copper Works – 6th Ave.
Amgen Corporation
B.S.B. Diversified Company
Baker Commodities, Inc.
Ball Metal Beverage Container Corp.
Boeing Commercial Airplane – North Field
Boeing Commercial Airplane – Renton
Boeing Electronics Center
Boeing Integrated Defense Systems – Kent
Bunge Foods
Burlington Northern/ Santa Fe Railroad Company
Burlington Environmental – Kent
Carnitech US, Inc.
Circuit Partners, Inc.
Circuit Services WorldWide LLC
Circuits Engineering, Inc.
Coal Creek Development Corp. – Landmarc Technologies
Color Tech
Crane-Eldec Corporation – Martha Lake Facility
Crane-Eldec Corporation – North Creek Facility
Davis Wire Corporation
Emerald Recycling
Foss Maritime Company
GM Nameplate, Inc.
Green Garden Food Products, Inc.
I-90 Express Finishing
Industrial Container Services, Inc.
Industrial Plating Corporation
Interstate Brands Corp. – Hostess
Kenworth Truck Company – Renton
King County Road Services Division – Renton Decant Station
King County Solid Waste – Cedar Hills Landfill
Magnetic and Penetrant Services Company
Marine Vacuum Service
Mastercraft Metal Finishing, Inc.
Oberto Sausage Company – Airport Way
Pacific Iron & Metal
Pacific Metallurgical
Pepsi-Cola Company
Philip Environmental Services Corp.
Pioneer Human Services
Precor USA – Plant 1
Precor USA – Plant 2

Gold Award continued

Puget Sound Energy
Redhook Brewing Company
Rexam Beverage Can Company
Safeway, Inc. – Beverage Plant
Seattle Barrel Company
Seattle FilmWorks Manufacturing / PhotoWorks, Inc.
Seattle Solid Waste – Kent
Highlands Landfill
Shasta Beverages
Skills, Inc. – Auburn Facility
Skills, Inc.
Smith Fabrication, Inc.
Stockpot, Inc.
Time Oil Company
Universal Brass, Inc.
Universal Sheet Metal, Inc.
Vectra Fitness
Vitamilk Dairy, Inc.
Western Pneumatic Tube
Western Processing Trust Fund II
Weyerhaeuser Company

Silver Award

A. O. Smith Water Products Company
Arco Petroleum Products Co. – Seattle Terminal
Asko Processing
Cedar Grove Composting
Costco Wholesale
Electrofinishing, Inc.
Emerald Sanitary Services LLC
Flow International Corporation
Genie Industries – Bldg. 11 – Canyon Park Plant
Genie Industries – Bldg. 3 & 4
Genie Industries – Bldg. 6 & 7 – Scissors Plant
Glacier Northwest – Kenmore
Hytek Finishes
Northstar Beverage Company
Prototron Circuits, Inc.
Quality Finishing, Inc.
Siemens Medical Solutions USA – Ultrasound Group
Surftech Finishes Company
Tri-Way Industries
Western Metal Arts

KCIW News Briefs *(continued from Page 2)*

KCIW's EnvirOvation Award is given to facilties that have:

- voluntarily implemented an innovative pollution prevention strategy,
- significantly updated their pretreatment equipment or methods,
- significantly reduced the amount of wastes being discharged to King County sewers,
- significantly reduced their water use, or
- shown leadership, for example, in helping other companies comply with industrial pretreatment regulations.

Winners will be announced in Spring 2004. EnvirOvation award winners become eligible to win a King County Green Globe Award. For more information contact Kristin Painter at 206-263-3000 or email *kristin.painter@metrokc.gov*.

Dental Program

By July 1, 2003, all dental practices that discharge mercury and silver into the King County sewerage system must be in compliance with the county limits for mercury and silver, and (excepting some specialty practices) should have installed an amalgam separator or obtained a dental wastewater discharge permit from King County. After July 1, 2003 King County Industrial Waste inspectors will visit dental practices to check on their compliance. For more information visit KCIW's site **http://dnr.metrokc.gov/wlr/indwaste/dentists.htm** on the Web.

Commitment-to-Compliance Award Winners

Left – Boeing's Larry Edwards, Director – Central Puget Sound Sites/Workplace Services and Terry Hoskinson, Treatment Plant Operator, receive Boeing's award from Executive Ron Sims.

Below – Executive Ron Sims presents award to Time Oil Company representative Scott Sloan, Senior Environmental Project Manager, Seattle.

Below – Rick Cabuco, Facility General Manager, Industrial Container Services, Inc., Seattle with Executive Ron Sims.

Watch for a profile of Universal Sheet Metal, Inc., Woodinville, a 2002 Commitment-to-Compliance winner.

Commitment-to-Compliance Winner Profile

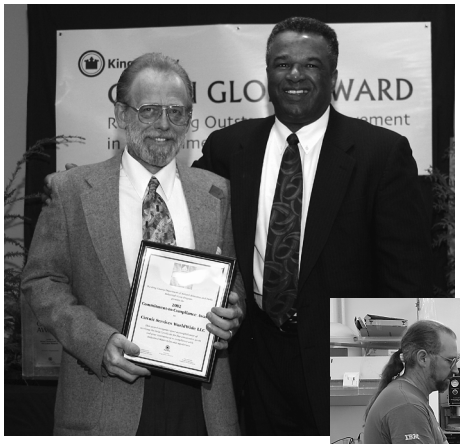
Circuit Services WorldWide Excels in Pretreatment

Occasionally KCIW will profile a Rewards and Recognition Award winner.

2002 Commitment-to-Compliance winner Circuit Services WorldWide L.L.C. has operated in Bellevue for more than 20 years, building high tech boards for the electronics industry. Specializing in fast turn prototype orders from 24-hour turns and up, the Bellevue facility is committed to being environmentally friendly, with a top priority to not only meet, but also exceed the requirements for waste treatment.

Circuit Services has made many additions to its plant to meet its high standards. These include an equalization tank that deals with surges, providing a steady feed into the treatment system. The company installed its own absorption unit (an Atomic Absorption Spectrometer) so that workers can monitor levels of copper. The plant maintains in-house quality control instruments, most recently installing back-up meters to give them a second level of checks for the system. An alarm system throughout the shop notifies those monitoring of any possible problems.

Commenting on the five-year record of excellence required to win a Commitment-to-Compliance Award, Plant Manager Bob Cochran noted, "Our waste treatment department is always looking for ways to improve our process. The biggest reason we have been successful in keeping our record is the mind-set of the company from upper management down. We are committed to being better than compliant."



Circuit Services Plant Manager Robert Cochran receiving Commitment-to-Compliance Award from King County Executive Ron Sims.

Circuit Services operator uses a spectrometer to check the metal levels in discharge water for compliance.

Circuit Services operator processing boards through Hot Air Leveling system, applying a solder finish to the board.

Green River Community College Offers New Industrial Wastewater Pretreatment Courses:

Green River Community College (GRCC), in partnership with The Boeing Company, has developed four new courses related to industrial wastewater treatment. The courses cover industrial wastewater instrumentation; regulations; and treatment processes. Not only do the courses provide important knowledge and skills for pretreatment operators, but they are also offered in a convenient self-study format on the Internet.

The Boeing Industrial Pretreatment Group coordinated with GRCC to identify key training topics and develop a group of four courses related to industrial wastewater treatment. The company also funded the development of the 60 hours of online training.

GRCC's Water Supply Technology and Wastewater Technology programs prepare students for entry-level employment as water supply or wastewater technicians. Students may earn Certificates of Proficiency in both Water Distribution Technology and Wastewater Treatment technology. Associate in Applied Science degrees are offered in Water Supply Technology and Wastewater Technology.

For information contact Mary Jo Adams, Water Supply and Wastewater Technology Instructor, Green River Community College, e-mail madams@greenriver.edu. Visit the college at http://www.ivygreen.ctc.edu/wawa on the Web.

The Final Word on the Metal Products and Machinery (MP&M) Rule:

Only affects operations in the Oily Wastes subcategory

The United States Environmental Protection Agency (EPA) published the final rule establishing wastewater controls for the MP&M industrial category in May. The rule, 40 CFR Part 438, starts on page 25686 of the May 13 *Federal Register*.

As KCIW anticipated, the rule establishes limitations and standards only for facilities that directly discharge wastewaters from oily operations in the Oily Wastes subcategory. As a result, the rule will not affect any facility in King County unless it has a direct discharge from the Oily Wastes subcategory covered by an NPDES permit.

To learn more about the final rule, a fact sheet is available at:
www.epa.gov/waterscience/guide/mpm/rule.html on the EPA's MP&M Rule Web site.

Summary of March Industrial Waste Advisory Committee (IWAC) Meeting

New Industrial Wastewater Pretreatment Courses at Green River Community College:

Mary Jo Adams, Instructor/Advisor, from Green River Community College (GRCC) introduced the new Water Supply & Wastewater Technology Program. (See story on Page 4.)

King County Brownfields Program: Emery Bayley of ECOSS (Environmental Coalition of South Seattle) gave an overview of the King County Brownfields Program. This program offers assistance to business and property owners interested in assessing, cleaning up, and redeveloping environmentally contaminated land, known as brownfields. There are many types of assistance available for qualified participants, including:

- Site assessment and characterization
- Cleanup planning and design
- Technical assistance with sampling and cleanup
- Low-cost loans, grants, and bonds
- Free technical assistance from the Environmental Extension Service

King County and the City of Seattle have been designated by the EPA as a national Brownfields Showcase Community, which gives this region priority to receive federal resources for assessment, cleanup, and redevelopment. For more information about the King County Brownfields Program, contact Lucy Auster, King County Solid Waste Division, at 206-296-8476 or lucy.auster@metrokc.gov. The site for the King County Brownfields Program is http://dnr.metrokc.gov/swd/brownfields/ on the Web.

Roundtable Discussion: Coping with the New Industrial Storm Water Permit Requirements: Discussion continued from the last meeting about the new industrial storm water permit from the Department of Ecology. The 2000 permit was rescinded and a new permit was issued because of a lawsuit. This new permit differs in that attainment of benchmark values will be required as well as implementation of best management practices (BMPs). The 2000 permit did not require sampling. The new permit will require quarterly sampling along with submission of storm water pollution prevention plans (SWPPPs).

Several IWAC members expressed concern over inconsistencies with interpretation of the new storm water permit from Department of Ecology staff, as well as difficulties in attaining viable storm water samples, which are now required with the new permit.

Boeing announced plans to sponsor an Industrial Storm Water Permit workshop facilitated by Ecology.

Upcoming meetings: The next meeting was held June 4 with upcoming meetings scheduled for September 10 and December 3. Meetings are open to the public. For information, telephone KCIW at (206) 263-3000. For more information visit the IWAC site at http://dnr.metrokc.gov/wlr/indwaste/Iwac.htm on the Web.

KCIW Award Winners *(continued from page 1)*

uses to treat wastewater and the amount of groundwater being discharged to the King County sewer. In 2001, the group completed a two-year upgrade of its wastewater treatment plant, considerably updating its pretreatment methods and equipment. These modifications resulted in improved control of the facility and reduced the amount of chemicals used to treat the water by approximately 25 percent. The company used an innovative trench sealing system to reduce the amount of groundwater being discharged to the King County sewer by more than 50 percent.

2002 Commitment-to-Compliance Award winners included Boeing Commercial Airplane Group – Renton, Circuit Services WorldWide LLC, Industrial Container Services, Inc., Time Oil Company, Seattle and Universal Sheet Metal, Inc.

Pam Bissonnette, director of the King County Department of Natural Resources and Parks, introduced the special recognition of the IW Commitment-to-Compliance awardees.

Green Globe Awards Master of Ceremonies Jeff Renner, KING 5 TV Meteorologist.

King County presents Green Globe Awards every other year. KCIW's EnvirOvation Award winners for the previous two years are eligible for nomination for Green Globes. The EnvirOvation Award was not conferred in 2002. For nomination information see "KCIW News Briefs" on page 2.

The Boeing Company's team at the Green Globe breakfast. Clockwise: Doris Turner, Environmental Engineer, Treatment Plant, Operator Chad Kiehn, Larry Edwards, Director – Central Puget Sound Sites/Workplace Services and Terry Hoskinson, Treatment Plant Operator.

Ecology Department's TREE program: Helping businesses shrink waste production and expand bottom line

This article is an excerpt from a Washington State Department of Ecology (Ecology) news release. Note the mention of Industrial Plating Corporation, Seattle, a 2002 IW Rewards and Recognition Gold Award winner!

The Technical Resources for Engineering Efficiency (TREE) program is a free technical-assistance service offered to businesses by the Department of Ecology (Ecology). The TREE team of Ecology engineers and scientists use their expertise in industrial processes and pollution prevention to find ways for businesses to reduce waste, increase efficiency and save money.

The TREE team has shown companies that creating hazardous waste and paying for its disposal does not have to be an accepted price of doing business.

Success stories include Industrial Plating of Seattle, which reduced its annual water bill from $80,000 to $23,000 and reduced hazardous sludge from 160,000 pounds to 59,000 pounds.

Other possible benefits for companies include: reducing regulatory requirements; lessening liability from possible environmental problems; improvements in worker safety and satisfaction when operational improvements are made; and the enhancement of companies' relationships with the public due to positive environmental changes.

The TREE team helps companies comply with environmental laws voluntarily without resorting to enforcement actions. In addition, the team can assist facilities with process changes that can positively affect a business' bottom line.

The TREE team is located at: **www.ecy.wa.gov/programs/hwtr/TREE/index.html** *on the Web*

Component Agencies Update: Root Killers

KCIW needs component agencies' help in tracking the amount and type of root killers used in local sewers tributary to the King County sewer system. Root killers are toxic compounds that in high concentrations can interfere with the biological processes at treatment plants and concentrate in the biosolids.

Currently Dichlobenil (most commonly found in the product RootX) is the only compound that KCIW has determined to be safe for use in King County's sewers. To ensure that the county does not receive more than the three pounds per day limit at each treatment plant, KCIW needs at least one week's notice from agencies telling us when and how much Dichlobenil they plan to use. A form is available for this purpose.

For agencies wishing to use any chemical other than Dichlobenil, KCIW will need to work with you and the vendor to test it to be sure it is safe.

For additional information *about these procedures for using chemical rootkillers in the King County sewerage system, please call Industrial Waste's staff engineer, Bruce Tiffany. Bruce can be reached at 206-263-3011 or bruce.tiffany@metrokc.gov.*

Publication of recent enforcement actions

This publication reports companies that were the subject of enforcement actions during the period of March through May 2003 (or that have not been published previously) and their violations met one or more of the following criteria:

- Were found in significant noncompliance during the reporting period;
- Received fines; or
- Had violations that were unique or warrant special attention.

Companies Found with Significant Noncompliance

Company	Nature of Violation/ Type of Pollutant	Basis for Significant Noncompliance	Penalty	Comments
Allpak Container Corp 1100 SW 27th St. Renton, WA 98055	Late Report	Allpak Container Corp failed to file the application for renewal of their discharge authorization within 30-days of the due date.	Final Notice	Allpak Container Corp. filed their application, no further action was required.

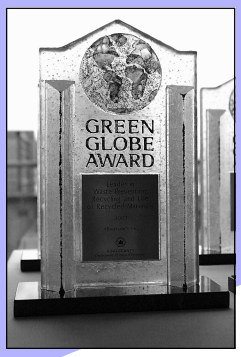
In addition to the above actions, KCIW also issued enforcement actions for the following: Code violation-failure to perform required self-monitoring; cadmium (1); Final notice for late report (2); turbidity (1); zinc (1).

This information is available on advance request in accessible formats for persons with disabilities. Please call 206-263-3000 or TTY relay service at 1-800-833-6388.

Save the Date

for the Industrial Waste workshop & treatment plant tour
Sept. 24 & Oct. 1

Read about the Green Globe Award winner for Leadership in Industrial Waste Reduction



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