

F.E.S.H.

**ENVIRONMENTAL, SAFETY, & HEALTH  
NEWSLETTER**

2nd Quarter

*"Obstacles are those frightful things you see when you take your eyes off your goal." - Henry Ford*



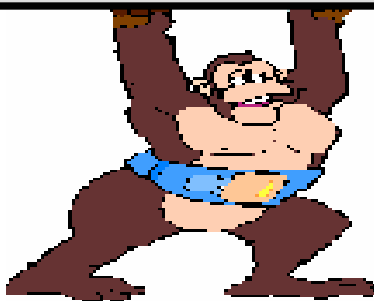
**FROM THE DESK OF THE  
DIRECTOR**



**OUR MISSION IS TO FOCUS ON  
EMPLOYEE SAFETY AND  
ENVIRONMENTAL COMPLIANCE**

In this 2nd quarter Environmental, Safety, and Health Newsletter we wish to focus your attention on the following topics:

- **Desk of the Director~RCRA Empty Containers and The Debris Rule**
- **The "SAFETY ZONE"~Heat Stress**
- **The "RECYCLE BIN"~Manifesting Hazardous Waste**
- **FYI~Universal Waste**
- **ESH Alerts~ESH Seminar, Audits  
VERY IMPORTANT!!!**
- **Key Performance Indicators~1<sup>st</sup> & 2<sup>nd</sup> Quarters**



**RCRA Empty Containers and The Debris Rule**

**Q:** A customer has several 55-gallon drums that previously held an "F" listed hazardous wastes. The containers have been rendered "RCRA empty" per [40 CFR 261.7]. Once RCRA (Resource Conservation Recovery Act) emptied, the customer crushes the drums and places them in a roll-off box. The customer is now concerned that since the containers are no longer "intact" the RCRA empty status may no longer apply and the crushed containers are therefore "F"-listed hazardous debris. Once the RCRA-empty containers are crushed, is the regulatory status RCRA-non-regulated empty container or RCRA regulated hazardous debris?

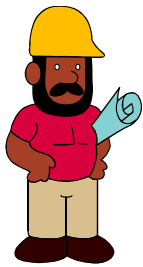
**A:** Per the August 18, 1992 Federal Register on page 37225, EPA states:

*"Since containers are potentially a form of debris, there is a question whether either empty or nonempty containers are subject to the treatment standards for debris notwithstanding §261.7. EPA is indicating in this rule that the debris standards do not override the empty container rule, so that rule remains in effect."*

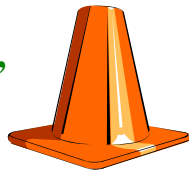
Therefore, the customer's crushed RCRA-empty drums are not debris and remain crushed RCRA-empty drums.

**SUMMARY:**

- Intact containers are not debris.
- RCRA empty containers are not subject to RCRA.
- Crushed RCRA empty containers are not debris, and remain crushed RCRA empty containers.



The **“SAFETY ZONE”**  
Be Safe At All Times.....

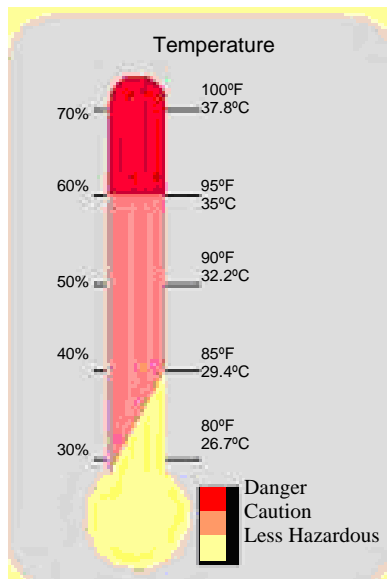


## HEAT STRESS

### The Heat Equation

HIGH TEMPERATURE + HIGH HUMIDITY  
+ PHYSICAL WORK = HEAT ILLNESS

When the body is unable to cool itself through sweating, **serious** heat illnesses may occur. The most severe heat-induced illnesses are heat exhaustion and heat stroke. If left untreated, **heat exhaustion** could progress to **heat stroke** and possible **death**.



### Heat Exhaustion

#### **What are the symptoms?**

Headaches; Dizziness or Lightheadedness; Weakness; mood changes such irritability, confusion, or the inability to think straight; upset stomach; vomiting; decreased or dark-colored urine; fainting or passing out; and pale, clammy skin.

#### **What should you do?**

- Act immediately. If not treated, heat exhaustion may advance to heat stroke or death.
- Move the victim to a cool, shaded area to rest. Don't leave the person alone. If symptoms include dizziness or lightheadedness, lay the victim on his or her back and raise the legs 6 to 8 inches. If symptoms include nausea or upset stomach, lay the victim on his or her side.
- Loosen and remove any heavy clothing.
- Give the person drink cool water (about a cup every 15 minutes) unless sick to the stomach.
- Cool the person's body by fanning and spraying with a cool mist of water or applying a wet cloth to the person's skin.
- Call 911 for emergency help if the person does not feel better in a few minutes.

### The Heat Stroke -A Medical Emergency

#### **What are the symptoms?**

Dry, Pale skin with no sweating; Hot, Red Skin that looks sunburned; mood changes such as irritability, confusion, or the inability to think straight; seizures; and unconsciousness without a response.

#### **What should you do?**

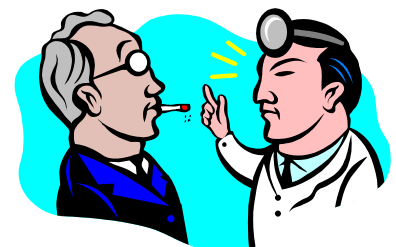
- Call 911 for emergency help immediately.
- Move the victim to a cool, shaded area. Don't leave the person alone. Lay the victim on his or her back. Move any nearby objects away from the person if symptoms include seizures or fits. If symptoms include nausea or upset stomach, lay the victim on his or her side.
- Loosen and remove any heavy clothing.
- Give the person cool water to drink (about a cup every 15 minutes) if alert enough to drink something, unless sick to the stomach.
- Cool the person's body by fanning and spraying with a cool mist of water or wiping the victim with a wet cloth or covering him or her with a wet sheet.
- Place ice packs under the armpits and groin area.

### How can you protect yourself and your coworkers?

- Learn the signs and symptoms of heat-induced illnesses and how to respond.
- Train your workforce about heat-induced illnesses.
- Perform the heaviest work during the coolest part of the day.
- Build up tolerance to the heat and the work activity slowly. This usually takes about two weeks.
- Use the buddy system, with people working in pairs.
- Drink plenty of cool water, about a cup every 15 to 20 minutes.
- Wear light, loose-fitting, breathable clothing, such as cotton.
- Take frequent, short breaks in cool, shaded areas to allow the body to cool down.
- Avoid eating large meals before working in hot environments.
- Avoid alcohol or beverages with caffeine. These make the body lose water and increase the risk for heat illnesses.

### What factors put you at increased risk?

- Taking certain medications. Check with your health-care provider or pharmacist to see if any medicines you are taking affect you when working in the heat
- Having a previous heat-induced illness.
- Wearing personal protective equipment such as a respirator or protective suit.



## The "RECYCLE BIN"



### Manifesting Hazardous Waste

Keep these points in mind when manifesting your hazardous waste to ensure that comply with Fisher Scientific Policies and programs and the Onyx How-to-Do Business-Document:

- \* **NO F-LISTED WASTES**—Unless the facility has a machine shop, Fisher logistics facilities do not generate F-listed wastes. Alcohols in stain solutions do not merit an "F" waste code.



- \* **CYANIDE SOLUTIONS ARE D003**—Fisher Logistic facilities carry a number of products that contain potassium cyanide or sodium cyanide at low concentrations (e.g. Lyse III solution). Since the cyanide is not in the solution as the sole active ingredient, a P-waste code is not appropriate. However, these solutions are still considered to be hazardous wastes. A D003 waste code is correct; if these solutions came into contact with an acid, toxic gases might be given off.

- \* **SEND COPIES TO REGIONAL ESH MANAGERS**—Copies of manifests should be sent IMMEDIATELY FOLLOWING THE WASTE SHIPMENT to Barry, Brian or George. Past practice required manifests to be sent to Park Lane once the signed copy was received from the TSDF. This practice is being modified so that:

- 1) Barry, Brian and George can become more familiar with the waste streams generated at the various locations; and
- 2) Any discrepancies can be identified and corrected without delay.

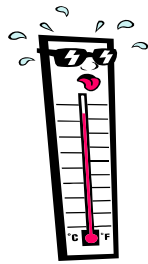
- \* **IF YOU SHIP IT, FISHER MAY BE THE GENERATOR**—Whether materials become wastes because they expire on the shelf, are spilled, are ordered for disposal by a vendor, rejected by a customer,

Fisher may be considered to be the **GENERATOR** of that waste. We have to ensure that it is classified correctly, labeled in the waste area, accounted for on the Generator Status and Waste Accumulation Logs, and properly coded on the manifest.

**Generator Responsibility**



# FYI



## Universal Waste

**Can my facility change its status from a large to a small quantity universal waste handler?**

**Yes.** The threshold that separates small-quantity and large-quantity handlers of universal waste is 5,000 kg accumulated on-site per calendar year. Therefore, a facility that was a large-quantity handler the previous year may manage universal waste as a small-quantity handler beginning Jan 1 as long as there is less than 5,000 kg of universal waste onsite.

**Does a small-quantity universal waste handler have to notify EPA?**

**No.** If the amount of universal waste accumulated on-site remains below 5,000 kg, no notification is required. A facility that anticipates crossing that threshold must submit a notification- either in the form of a letter or using EPA Form 8700-12, "Notification of Regulated Waste Activity"-prior to meeting the 5,000-kg limit unless the facility has previously submitted the form (to apply for an EPA Identification Number, for example) or is managing a recalled universal waste pesticide and has previously submitted notification as required by FIFRA.

# ESH ALERTS !!!



### ➤ Upcoming Annual ESH Seminar:

Just as a reminder for those of you who are able to attend the Annual Environmental Safety and Health Seminar.

**WHEN:** Week of Sept 8

**WHERE:** Wyndham Hotel, Pittsburgh, PA

**TIME:** TBD

# ESH ALERTS !!!

Continued...

**WHO WILL BE THE RECIPIENT OF THE ENVIRONMENTAL EXCELLENCE AWARD FOR 2003???** We'll have to wait until the Week of Sept 8 to find out!!!

A Few Tentative Agenda Topics:

- Chemical Classification
- Updated Regulatory Affairs Manual
- Site Specific Best Management Practices
- Ergonomics
- Personal Protective Equipment
- Negotiating Skills
- Upcoming Audits for the 3<sup>rd</sup> Quarter:

This quarter, all ESH audits will be conducted internally by Mr. Jim Balik in cooperation with the ESH Department. Jim, is a new member of the Regulatory Affairs Department and will be the Manager of Auditing, Mergers, and Acquisitions. Jim comes to the Regulatory Affairs Department with years of experience and a bachelor's of science degree in chemical engineering and engineering and public policy (dual major) from Carnegie-Mellon University and Ecole Polytechnique Federale de Lausanne. He is also a Certified Professional Environmental Auditor and a Certified ISO 14001 Environmental Management Systems Auditor.

Please give Jim all of your cooperation and support. The following is a list of audit dates and sites, as well as Jim's contact information.

July 2-25	Los Alamos and Sandia
Aug.19-21	Delmar
Sept.30-Oct. 2	Florence
Sept 16-18	Suwanee
Oct. 21-23	Agawam

CELL PHONE NUMBERS FOR MEMBERS OF THE  
REGULATORY AFFAIRS & LEGAL DEPARTMENTS

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NEXT ISSUE OF THE  
ESH NEWSLETTER

- “From our Home To Yours”~  
Halloween Safety
- 2003 ESH Seminar  
Highlights
- Chino Facility Update
- 3<sup>rd</sup> Quarter KPI’s
- “The Safety Zone”~  
Grounding and Bonding

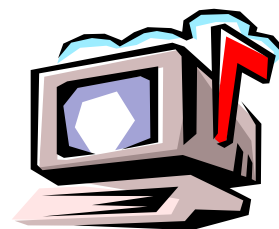


If you have any questions about these topics, please  
contact one of the contributors by e-mail or telephone.

**P.S. We are always open to suggestions on format or topics.**

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## Key Performance Indicators

### 2003 ESH Training Completed

Location	Required ESH Training	Completed 1Q 2003	Completed 2Q 2003	Completed Jan-Jun 2003	Goal 2Q 2003
Agawam	33	6	8	42.42%	50%
CDC - Florence	33	4	7	33.33%	50%
Cole Parmer	30	8	9	56.67%	50%
Dallas	30	6	7	43.33%	50%
Delmar (NEWARK)	24	8	6	58.33%	50%
Denver	31	4	10	45.16%	50%
Hanover Park	38	7	4	28.95%	50%
Houston	30	6	9	50.00%	50%
Instrument Services					
Los Alamos	23	5	10	65.22%	50%
Los Angeles-Yorba Linda	28	9	11	71.43%	50%
Midland	27	2	closed May 2003		
Montco	18	1	6	38.89%	50%
New York - Morris Plains	32	2	9	34.38%	50%
Orlando	17	5	3	47.06%	50%
Puerto Rico/Cayey	19	7	0	36.84%	50%
Raleigh	17	3	8	64.71%	50%
Rochester - EMW	25	1	4	20.00%	50%
Sandia	22	5	7	54.55%	50%
Santa Clara-WDC	28	5	5	35.71%	50%
Seattle	27	6	10	59.26%	50%
SEC	22	5	5	45.45%	50%
Suwanee	30	8	4	40.00%	50%
Tustin-Los Angeles	28	8	9	60.71%	50%
Washington, D.C.	23	3	7	43.48%	50%
<b>USDO</b>	<b>635</b>	<b>124</b>	<b>158</b>	<b>44.41%</b>	<b>50%</b>

**USDO****SAFETY PERFORMANCE REPORT**

<b>LOCATION</b>	<b>2003 Jan-Jun Injury Rate</b>	<b>2002 Jan-Jun Injury Rate</b>	<b>2003 2Q Injury Rate</b>	<b>2002 2Q Injury Rate</b>	<b>2002 Injury Rate</b>
Denver	22.82	4.70	33.90	8.82	4.84
Dallas	16.96	5.86	0.00	7.30	4.09
Seattle	15.11	0.00	29.99	0.00	0.00
Puerto Rico/Cayey	9.93	0.00	20.80	0.00	0.00
CDC - Florence	9.37	0.00	11.83	0.00	4.17
SEC	7.14	0.00	4.46	0.00	1.14
Delmar (NEWARK)	6.30	6.26	0.00	6.56	3.11
Agawam	5.40	14.65	0.00	13.59	11.43
Instrument Services	3.37	0.00	6.17	0.00	0.00
Suwanee Customer Service	2.17	0.97	0.00	0.00	0.48
Cole Parmer	1.89	0.55	1.38	0.00	0.30
<b>2003 AVERAGE</b>	<b>1.89</b>				
Hanover Park	1.67	4.96	3.10	2.82	6.09
<b>2003 TARGET</b>	<b>1.47</b>				
C.O. - Pittsburgh	1.32	0.00	0.88	0.40	0.11
Hanover Park Customer Service	0.00	0.00	0.00	0.00	0.00
Houston	0.00	15.15	0.00	6.61	8.91
Houston Customer Service	0.00	0.00	0.00	0.00	0.47
Los Angeles-Yorba Linda	0.00	9.14	0.00	8.48	6.97
New York - Morris Plains	0.00	0.00	0.00	0.00	0.00
Orlando	0.00	0.00	0.00	0.00	0.00
Raleigh	0.00	0.00	0.00	0.00	0.00
Rochester - EMW	0.00	0.00	0.00	23.18	5.32
Santa Clara-WDC	0.00	4.99	0.00	10.23	7.00
Suwanee	0.00	4.94	0.00	6.05	3.35
Tustin-Los Angeles	0.00	2.74	0.00	2.52	1.33
Washington, D.C.	0.00	0.00	0.00	0.00	0.00
<b>USDO TOTAL</b>	<b>1.95</b>	<b>1.54</b>	<b>1.73</b>	<b>1.48</b>	<b>1.47</b>

### Reported Chemical Spills

Location	2003 1Q Chemical Spills	2003 2Q Chemical Spills	2003 Jan-Jun Chemical Spills
Agawam	3	0	3
CDC - Florence	4	0	4
Cole Parmer	0	0	0
Dallas	0	0	0
Delmar (NEWARK)	0	0	0
Denver	1	1	2
Hanover Park	0	0	0
Houston	3	2	5
Instrument Services	0	0	0
Los Alamos	0	0	0
Los Angeles-Yorba Linda	1	0	1
Midland	0	0	0
Montco	0	0	0
New York - Morris Plains	2	0	2
Orlando	0	0	0
Puerto Rico/Cayey	0	0	0
Raleigh	0	0	0
Rochester - EMW	0	0	0
Sandia	0	0	0
Santa Clara-WDC	0	0	0
Seattle	1	1	2
SEC	0	0	0
Suwanee	0	0	0
Tustin-Los Angeles	2	0	2
Washington, D.C.	0	0	0
<b>USDO Total</b>	<b>17</b>	<b>4</b>	<b>21</b>
<b>Goal (8.5/month)</b>	<b>25.5</b>	<b>25.5</b>	<b>51</b>



**Agency Inspections**

**I = Inspection**

**N/F = Notices of violation/findings**

	1Q03	1Q03	2Q03	2Q03	Jan-Jun 03	Jan-Jun 03
<b>Location</b>	<b>I</b>	<b>N/F</b>	<b>I</b>	<b>N/F</b>	<b>I</b>	<b>N/F</b>
Agawam	0	0	0	0	0	0
CDC - Florence	0	0	1	0	1	0
Cole Parmer	3	0	1	0	4	0
Dallas	0	0	0	0	0	0
Delmar (NEWARK)	0	0	0	0	0	0
Denver	0	0	1	1	1	1
Hanover Park	3	0	2	0	5	0
Houston	0	0	0	0	0	0
Instrument Services	0	0	0	0	0	0
Los Alamos	0	0	0	0	0	0
Los Angeles- Yorba Linda	0	0	0	0	0	0
Midland	0	0	0	0	0	0
Montco	0	0	0	0	0	0
New York - Morris Plains	0	0	0	0	0	0
Orlando	0	0	0	0	0	0
Puerto Rico/Cayey	1	0	0	0	1	0
Raleigh	0	0	0	0	0	0
Rochester - EMW	0	0	1	0	1	0
Sandia	3	0	0	0	3	0
Santa Clara- WDC	0	0	0	0	0	0
Seattle	0	0	0	0	0	0
SEC	0	0	0	0	0	0
Suwanee	0	0	1	0	1	0
Tustin-Los Angeles	0	0	0	0	0	0
Washington, D.C.	0	0	0	0	0	0
<b>USDO Total</b>	<b>10</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>17</b>	<b>1</b>
<b>Goal</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>